

SOUTHERN

PIPE & SUPPLY

Home 2 Suites
Flowood, MS
Hughes Brothers Plumbing

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WC-1 ADA WATER CLOSET

VENDOR PART	VENDOR	DESCRIPTION	PAGE
402088-0	STERLING PLUMBI	ROCKTON LUXURY HEIGHT 12" ROUGH-IN TO...	7
800STSS	CENTOCO	EXTRA HEAVY DUTY COMMERCIAL	9
Z8804-XL-CR-PC	ZURN	CLOSET SUPPLY STOP, 1/2 IN X 3/8 IN CTS	10

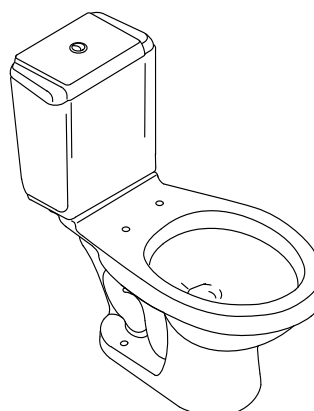


ROCKTON™

Features

- Vitreous china
- Elongated bowl
- Standard elongated seat - not supplied
- Two-bolt installation system
- 5-year limited warranty
- 1.6 gallons (6 L) of water per flush for solid waste and .8 gallons (3 L) of water per flush for liquid waste
- One flush cleansing performance
- Dual Force flushing system
- Luxury Height
- 2" (51 mm) glazed trapway
- 31" (787 mm) x 13-5/8" (346 mm) x 31-7/8" (810 mm) rough-in

LUXURY HEIGHT® DUAL FORCE® HET-HIGH EFFICIENCY TOILET **402088**



Codes/Standards Applicable

Specified model meets or exceeds the following:

- ASME A112.19.2/CSA B45.1
- ASME A112.19.14
- EPA WaterSense®

Colors/Finishes

- 0: White
- Other: Refer to Price Book for additional colors/finishes

Specified Model

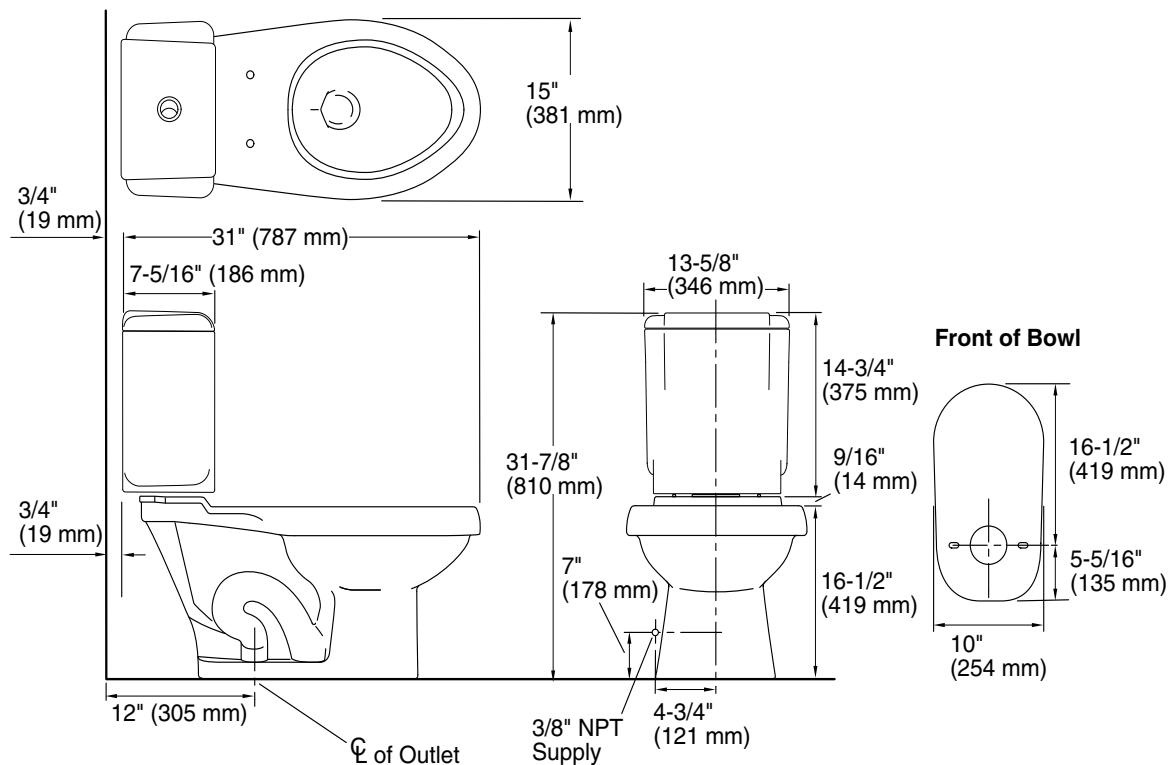
Model	Description	Included tank	Included bowl	Colors/Finishes	
402088	Luxury Height Dual Force HET-High Efficiency Toilet	402022	402086	☐ 0	☐ Other _____

Technical Information

Fixture:	
Configuration	two-piece, elongated
Water per full flush	1.6 gal (6 L)
Water per half flush	0.8 gal (3 L)
Passageway	2" (51 mm)
Water area	4-1/2" (114 mm) x 5-3/4" (146 mm)
Seat post hole centers	5-1/2" (140 mm)
Included components:	
Tank accessory pack	1035430
Tank lid	1045794

Installation Notes

One flush cleansing of the bowl per ASME A112.19.2/CSA B45.1 and Dual Force® toilets per ASME A112.19.14-2006 performance requirements, when installed and operated per instructions packed with the product.



Product Diagram

ROCKTON™ LUXURY HEIGHT® DUAL FORCE® HET-HIGH EFFICIENCY TOILET
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Solid Plastic Seats Elongated

Institutional • Commercial • Hotel/Motel • Residential

800 SERIES



Available in Fire-Retardant.

820 SERIES



Available in Fire-Retardant.

DETAILS

800TM

Luxury closed front with cover for elongated bowl. Top-mount hinge. For residential and light-duty commercial use.

800STS

Extra heavy-duty, closed front with cover for elongated bowl. Stainless steel hinge.

800STSS

Extra heavy-duty, closed front with cover for elongated bowl. Stainless steel self-sustaining ring.

820TM

Light-duty commercial, open front with cover for elongated bowl. Top-mount hinge. For light-duty commercial use.

820STS

Extra heavy-duty, open front with cover for elongated bowl. Stainless steel hinge.

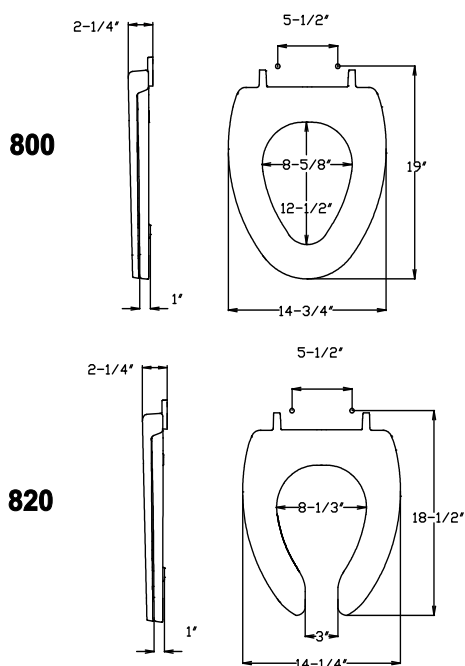
820STSS

Extra heavy-duty, open front with cover for elongated bowl. Self-sustaining, stainless steel hinge.

Standard Features:

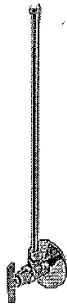
- Impact-absorbing hinges
- Extended back with concealed hinge
- Integrally-molded, permanent and sanitary color-keyed bumpers
- Corrosion-free hardware
- Withstands cleansers, strong chemicals

Dimensions shown are nominal and may vary within a range of tolerance.

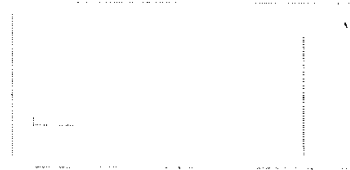


www.centoco.com

Centoco Customer Service: Canada 519-948-2300 • U.S. 1-800-265-3666



Closet Supply Stop, 1/2 in x 3/8 in CTS
ZURN



Mfr. Model # Z8804-XL-CR-PC
Shipping Weight 0.44 lbs.

Technical Specs

Item	Closet Supply Stop	Supply Stop Outlet Size (in)	3/8
Material of Construction	Brass	Supply Stop Outlet Type	CTS
Application	Toilet	Length (in.)	2-7/8
Outside Dia. (in.)	3/8	Max. Working Pressure (PSI)	125
Inlet Size (in.)	1/2	Operating Temp. (F)	40 Degrees to 180 Degrees
Inlet Type	CTS	Inner Core	Brass
Outlet (in.)	3/8	Nut Material	Brass
Outlet Type	CTS	Finish	Chrome
Water Connector Inlet Size (in)	1/2	Features	Lead Free
Water Connector Inlet Type	CTS	Standards	CSA B125.1, B125.2
Supply Stop Inlet Size (in)	1/2	Package Quantity	1
Supply Stop Inlet Type	CTS	Pipe Dia. (in.)	3/8

WC-2 WATER CLOSET

VENDOR PART	VENDOR	DESCRIPTION	PAGE
402027-0	STERLING PLUMBI	ROCKTON 12" ROUGH-IN ELONGATED TOILET...	12
800STSS	CENTOCO	EXTRA HEAVY DUTY COMMERCIAL	14
Z8804-XL-CR-PC	ZURN	CLOSET SUPPLY STOP, 1/2 IN X 3/8 IN CTS	15

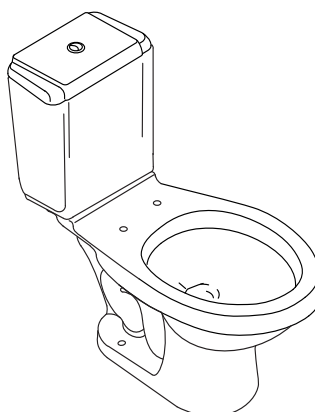


ROCKTON™

Features

- Vitreous china
- One flush cleansing performance
- Elongated bowl
- Standard elongated seat - not supplied
- 5-year limited warranty
- Two-bolt installation system
- 1.6 gallons (6 L) of water per flush for solid waste and .8 gallons (3 L) of water per flush for liquid waste
- 12" (305 mm) rough-in
- Dual Force flushing system
- 2-1/2" (64 mm) glazed trapway
- 31" (787 mm) x 13-5/8" (346 mm) x 29-7/8" (759 mm) rough-in

DUAL FORCE® HET-HIGH EFFICIENCY TOILET 402027



Codes/Standards Applicable

Specified model meets or exceeds the following:

- ASME A112.19.2/CSA B45.1
- ASME A112.19.14
- EPA WaterSense®

Colors/Finishes

- 0: White
- Other: Refer to Price Book for additional colors/finishes

Accessories

- NA: None applicable

Specified Model

Model	Description	Included tank	Included bowl	Colors/Finishes	
402027	Dual Force HET-High Efficiency Toilet, elongated bowl	402022	402026	☐ 0	☐ Other _____

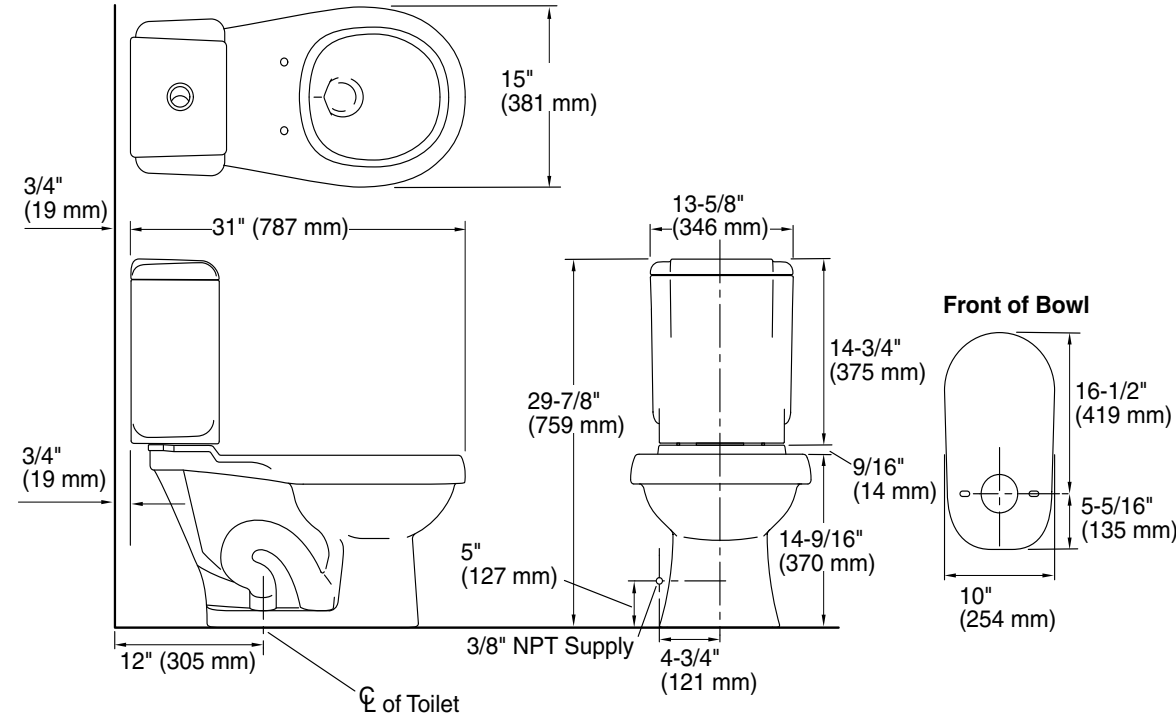
ROCKTON™

Technical Information

Fixture:	
Configuration	two-piece
Water per full flush	1.6 gal (6 L)
Water per half flush	.8 gal (3 L)
Passageway	2" (51 mm)
Water area	4-1/2" (114 mm) x 5-3/4" (146 mm)
Seat post hole centers	5-1/2" (140 mm)
Included Components:	
Tank accessory pack	1035430
Tank lid	1045794

Installation Notes

One flush cleansing of the bowl per ASME A112.19.2/CSA B45.1 and Dual Force® toilets per ASME A112.19.14-2006 performance requirements, when installed and operated per instructions packed with the product.



Product Diagram

ROCKTON™ DUAL FORCE® HET-HIGH EFFICIENCY TOILET
Page 2 of 2
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DETAILS

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Luxury closed front with cover for elongated bowl. Top-mount hinge. For residential and light-duty commercial use.

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Extra heavy-duty, open front with cover for elongated bowl. Stainless steel hinge.

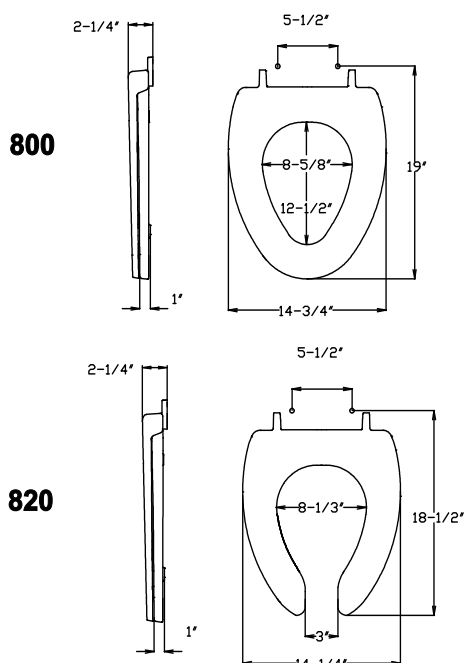
820STSS

Extra heavy-duty, open front with cover for elongated bowl. Self-sustaining, stainless steel hinge.

Standard Features:

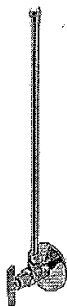
- Impact-absorbing hinges
- Extended back with concealed hinge
- Integrally-molded, permanent and sanitary color-keyed bumpers
- Corrosion-free hardware
- Withstands cleansers, strong chemicals

Dimensions shown are nominal and may vary within a range of tolerance.

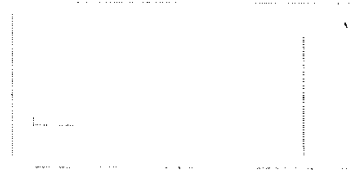


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Closet Supply Stop, 1/2 in x 3/8 in CTS
ZURN



Mfr. Model # Z8804-XL-CR-PC
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Outside Dia. (in.)	3/8	Max. Working Pressure (PSI)	125
Inlet Size (in.)	1/2	Operating Temp. (F)	40 Degrees to 180 Degrees
Inlet Type	CTS	Inner Core	Brass
Outlet (in.)	3/8	Nut Material	Brass
Outlet Type	CTS	Finish	Chrome
Water Connector Inlet Size (in)	1/2	Features	Lead Free
Water Connector Inlet Type	CTS	Standards	CSA B125.1, B125.2
Supply Stop Inlet Size (in)	1/2	Package Quantity	1
Supply Stop Inlet Type	CTS	Pipe Dia. (in.)	3/8

WC-3 ADA PUBLIC WATER CLOSET

VENDOR PART	VENDOR	DESCRIPTION	PAGE
K-4368-0	KOHLER	HIGHCLIFF 1.6 GPF 17-1/2" ADA ELONGAT...	17
111XLREGAL	SLOAN	REGAL XL EXPOSED WATER CLOSET FLUSHOM...	19
500STSCC	CENTOCO	SOLID PLASTIC SEAT - ELONGATED	20

KOHLER®

Highcliff™
Bowl
K-4368

Features

- Vitreous china.
- Elongated bowl.
- 1-1/2" top spud.
- 10" (254 mm) or 12" (305 mm) rough-in.
- 2-1/4" (57 mm) passageway.
- 11-3/8" (289 mm) x 10-3/8" (264 mm) water area.
- 1.6 gpf (6 lpf).
- 26" (660 mm) x 14-1/2" (368 mm) x 17-1/2" (445 mm).

Optional Accessories

K-13516 Manual 1.6 GPF WC Flushometer
K-10674-SV WAVE DC 1.6 GPF WC Flushometer
K-10957-SV Tripoint™ DC 1.6 GPF WC Flushometer
K-4654-A Commercial Toilet Seat
K-4670-C Commercial Toilet Seat
K-4670-CA Commercial Toilet Seat
K-10674 Wave DC 1.6 GPF WC Flushometer
K-10957 Tripoint™ DC 1.6 GPF WC Flushometer

Components

Additional included component/s: Spud, and Bolt cap accessory pack.



ADA **CSA B651**

Codes/Standards

ASME A112.19.2/CSA B45.1
DOE - Energy Policy Act 1992
ADA
ICC/ANSI A117.1
CSA B651

KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Color/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit
	47	Almond
	7	Black Black™

USA/Canada: 1-800-4KOHLER (1-800-456-4537)

Kohler Co. reserves the right to make revisions without notice to product specifications.
For the most current Specification Sheet, go to www.kohler.com.

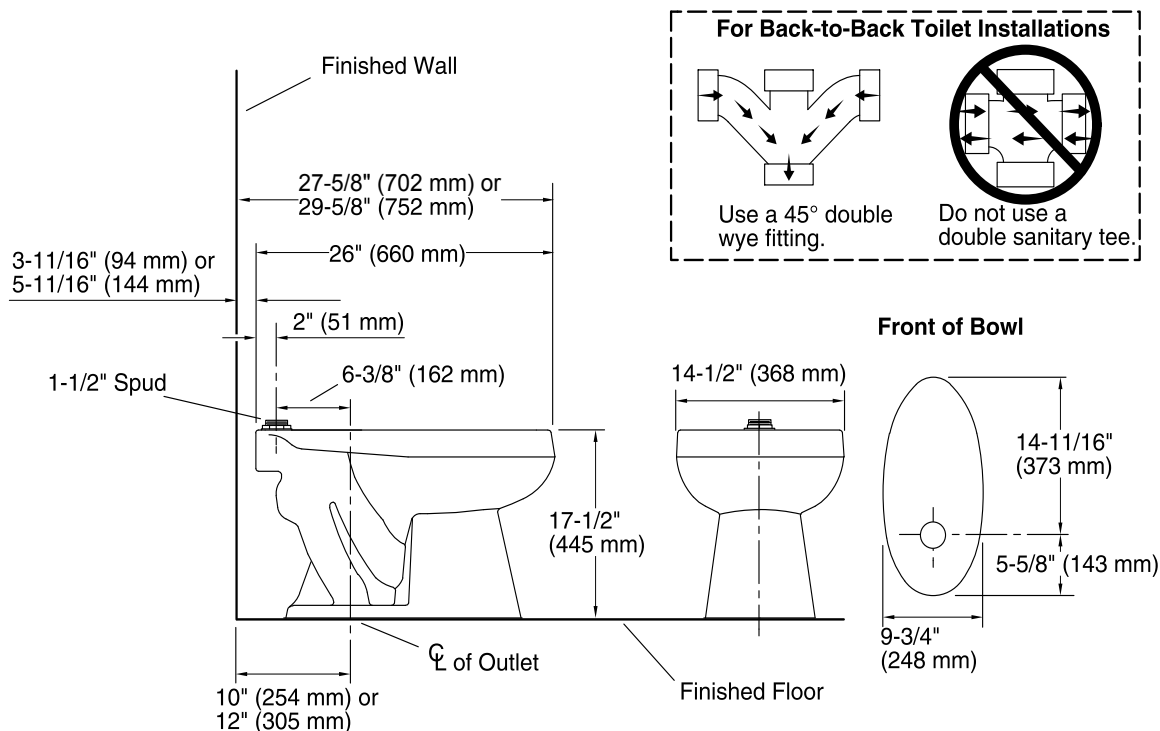
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THE BOLD LOOK
OF **KOHLER®**

KOHLER®

Highcliff™

Bowl
K-4368



Technical Information

All product dimensions are nominal.

Toilet type:	Flushometer
Bowl shape:	Elongated front
Spud size:	1-1/2", Inlet, Top
Trap passageway:	2-1/4" (57 mm)
Water surface size:	11-3/8" x 10-3/8" (289 mm x 264 mm)
Rim to water surface:	6" (152 mm)
Rough-in:	10" or 12" (254 or 305 mm)
Seat-mounting holes:	5-1/2" (140 mm)

Fixture Supply Requirements

Min static pressure:	35 psi (241.3 kPa)
Max static pressure:	80 psi (551.6 kPa)
Min flowing pressure:	25 psi (172.4 kPa)
Min flow rate:	25 gpm (94.6 lpm)

Notes

Install this product according to the installation instructions.

Refer to manufacturer and local codes for flushometer requirements: for 12"(305 mm) rough-in, sweat extension nipple is required.

For back-to-back toilet installations: Use only a 45° double wye fitting.

ADA, CSA B651 compliant when installed to the specific requirements of these regulations.

The Model Plumbing Codes require the installation of elongated open-front toilet seats on public bathrooms.

USA/Canada: 1-800-4KOHLER (1-800-456-4537)

Kohler Co. reserves the right to make revisions without notice to product specifications.

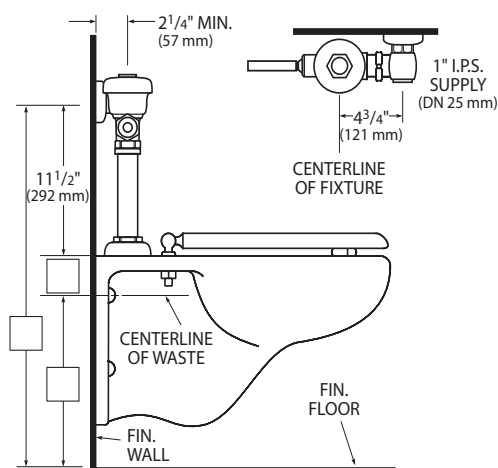
For the most current Specification Sheet, go to www.kohler.com.

10-3-2016 04:51

THE BOLD LOOK
OF **KOHLER®**



Listed by I.A.P.M.O.



Regal 110/111 XL S.S. — Rev. 2 (06/10)
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Regal® 110/111 XL Flushometer



► Models Available

- ☐ Regal 110 XL
- ☐ Regal 110 XL-TP Includes Trap Primer
- ☐ Regal 110 XL-U 1 1/4" Flush Connection
- ☐ Regal 110 XL-YO Bumper on Angle Stop
- ☐ Regal 110 XL-XYV Less Flush Connection
- ☐ Regal 111 XL
- ☐ Regal 111 XL-TP Includes Trap Primer
- ☐ Regal 111 XL-U 1 1/4" Flush Connection
- ☐ Regal 111 XL-YO Bumper on Angle Stop
- ☐ Regal 111 XL-XYV Less Flush Connection

► Description

Exposed Water Closet Flushometer, for floor mounted or wall hung top spud bowls.

► Flush Cycle

- ☐ Model 110 Water Saver (3.5 gpf/13.2 Lpf)
- ☐ Model 111-1.6 Low Consumption (1.6 gpf/6.0 Lpf)

► Specifications

Quiet, Exposed, Diaphragm Type, Chrome Plated Closet Flushometer with the following features:

- ADA Compliant Metal Oscillating Non-Hold-Open Handle
- 1" I.P.S. Screwdriver Bak-Chek™ Angle Stop
- Control Stop Plug
- Sweat Solder Adapter with Cover Tube
- Adjustable Tailpiece
- Cast Wall Flange with Set Screw
- Vacuum Breaker Flush Connection
- Spud Coupling and Spud Flange for 1 1/2" Top Spud
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Non-Hold-Open Handle and No External Volume Adjustment to Ensure Water Conservation
- Low Consumption flush accuracy controlled by Para-Flo™ Technology
- Handle Packing, Stop Seat and Vacuum Breaker to be Molded from PERMEX™ Rubber Compound for Chloramine Resistance

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037.

► Accessories

See Accessories Section of the Sloan catalog for available accessories

► Fixtures

Consult Sloan for Sloan brand matching fixture options.

This space for Architect/Engineer approval

The information contained in this document is subject to change without notice.

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Ph: 1-800-9-VALVE-9 or 1-847-671-4300 • Fax: 1-800-447-8329 or 1-847-671-4380
<http://www.sloanvalve.com>



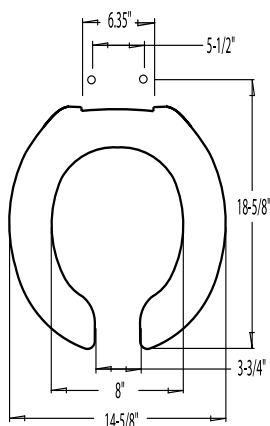
Solid Plastic Seats Elongated

Institutional • Commercial • Heavy-Duty

500 SERIES



Available in Antimicrobial.
Available in Fire-Retardant.



DETAILS

500CC Heavy-duty, open front, less cover for elongated bowl. Plated steel check-hinge with gasket and plastic nuts.

500CCSS Heavy-duty, open front, less cover for elongated bowl. Self-sustaining plated steel check-hinge with gasket and plastic nuts.

500STSCC Heavy-duty, open front, less cover for elongated bowl. Stainless steel check-hinge with gasket, metal flat washers, lock washers and stainless steel nuts.

500STSCCSS Heavy-duty, open front, less cover for elongated bowl. Self-sustaining stainless steel check-hinge with gasket, metal flat washers, lock washers, stainless steel nuts.

Standard Features:

- Corrosion-free stainless steel hinge posts
- Check-hinge posts
- Extended back with concealed hinge
- Integrally-molded, permanent and sanitary color-keyed bumpers
- Corrosion-free hardware
- Withstands cleansers, strong chemicals
- Self-sustaining hinge available

Color	Code #	500 CC	500 CCSS	500 STSCC	500 STSCCSS
White	001	● □	● □	● □	● □
Cotton/Crane White	301	● □	● □	● □	□
Linen/Biscuit	416				□
Black	407	● □	● □	● □	● □
Bone/Almond	106-A				● □

Canada ● U.S. □

centoco.com

Centoco Customer Service: Canada 519-948-2300 • U.S. 1-800-265-3666

WC-4 PUBLIC WATER CLOSET

VENDOR PART	VENDOR	DESCRIPTION	PAGE
K4350-0	KOHLER	KOHLER WELLCOMME 1.6 FLUSH VALVE WATE...	22
111XLREGAL	SLOAN	REGAL XL EXPOSED WATER CLOSET FLUSHOM...	24
500STSCC	CENTOCO	SOLID PLASTIC SEAT - ELONGATED	25

KOHLER®

Wellcomme™
Elongated Toilet Bowl
K-4350

Features

- Vitreous china.
- Elongated bowl.
- 1-1/2" top spud.
- 2-1/4" (57 mm) passageway.
- 1.6 gpf (6.0 lpf).
- 10" (254 mm) or 12" (305 mm) rough-in.
- 11-3/8" (289 mm) x 10-3/8" (264 mm) water area.
- 26" (660 mm) x 14-1/2" (368 mm) x 14-3/4" (375 mm).

Optional Accessories

K-13516 Manual 1.6 GPF WC Flushometer
K-10674-SV WAVE DC 1.6 GPF WC Flushometer
K-10957-SV Tripoint™ DC 1.6 GPF WC Flushometer
K-4670-C Commercial Toilet Seat
K-4670-CA Commercial Toilet Seat
K-10674 Wave DC 1.6 GPF WC Flushometer
K-10957 Tripoint™ DC 1.6 GPF WC Flushometer

Components

Additional included component/s: Spud, and Bolt cap accessory pack.



Codes/Standards

ASME A112.19.2/CSA B45.1
DOE - Energy Policy Act 1992

KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Color/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit
	47	Almond
	7	Black Black™

USA/Canada: 1-800-4KOHLER (1-800-456-4537)

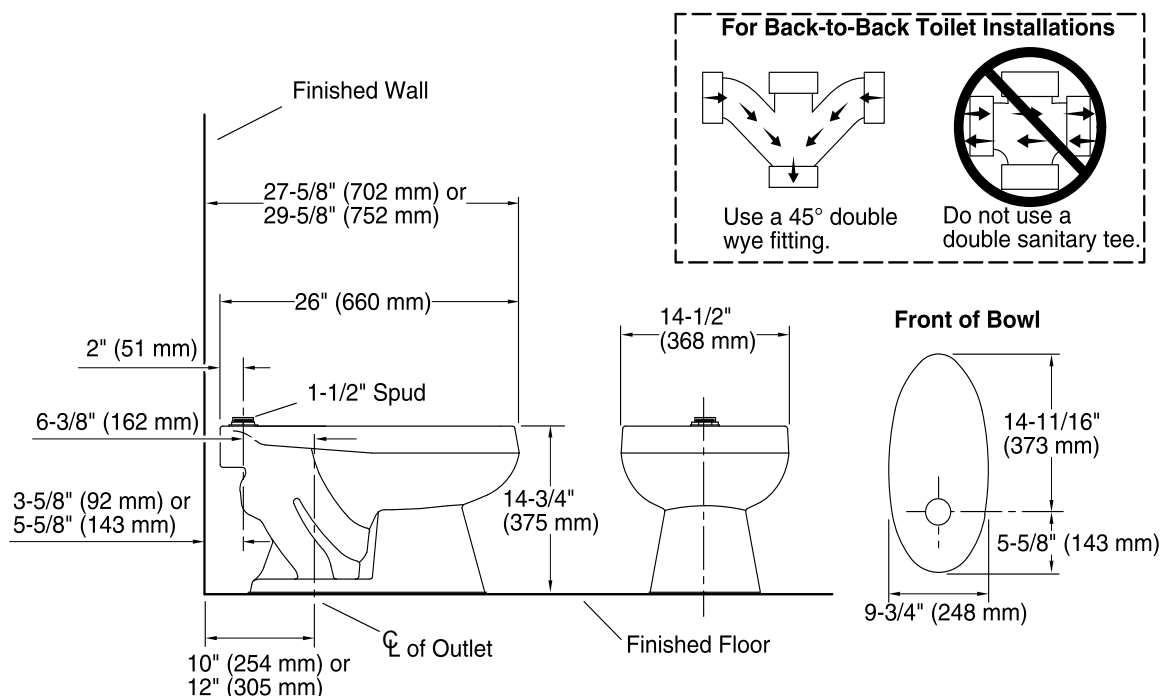
Kohler Co. reserves the right to make revisions without notice to product specifications.
For the most current Specification Sheet, go to www.kohler.com.

3-18-2017 07:40

THE BOLD LOOK
OF **KOHLER®**

KOHLER®

Wellcommé™
Elongated Toilet Bowl
K-4350



Technical Information

All product dimensions are nominal.

Toilet type:	Flushometer, Floor-mount
Waste Outlet:	Floor
Bowl shape:	Elongated front
Spud size:	1-1/2", Inlet, Top
Trap passageway:	2-1/4" (57 mm)
Water surface size:	11-3/8" x 10-3/8" (289 mm x 264 mm)
Rim to water surface:	6" (152 mm)
Rough-in:	10" or 12" (254 or 305 mm)
Seat-mounting holes:	5-1/2" (140 mm)

Fixture Supply Requirements

Min static pressure:	35 psi (241.3 kPa)
Max static pressure:	80 psi (551.6 kPa)
Min flowing pressure:	25 psi (172.4 kPa)
Min flow rate:	25 gpm (94.6 lpm)

Notes

Install this product according to the installation instructions.

Refer to manufacturer and local codes for flushometer requirements: for 12" (305 mm) rough-in, sweat extension nipple is required.

For back-to-back toilet installations: Use only a 45° double wye fitting.

USA/Canada: 1-800-4KOHLER (1-800-456-4537)

Kohler Co. reserves the right to make revisions without notice to product specifications.

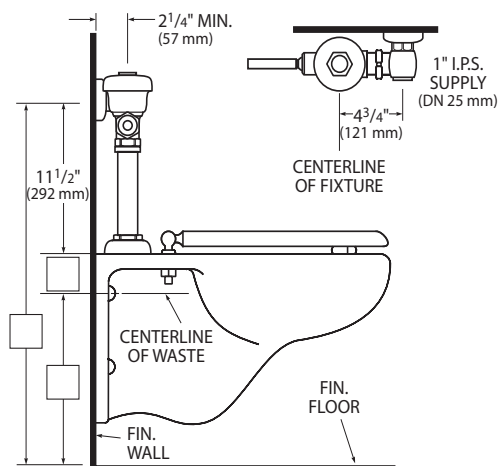
For the most current Specification Sheet, go to www.kohler.com.

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Regal 110/111 XL S.S. — Rev. 2 (06/10)
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Regal® 110/111 XL Flushometer



► Models Available

- ☐ Regal 110 XL
- ☐ Regal 110 XL-TP Includes Trap Primer
- ☐ Regal 110 XL-U 1 1/4" Flush Connection
- ☐ Regal 110 XL-YO Bumper on Angle Stop
- ☐ Regal 110 XL-XYV Less Flush Connection
- ☐ Regal 111 XL
- ☐ Regal 111 XL-TP Includes Trap Primer
- ☐ Regal 111 XL-U 1 1/4" Flush Connection
- ☐ Regal 111 XL-YO Bumper on Angle Stop
- ☐ Regal 111 XL-XYV Less Flush Connection

► Description

Exposed Water Closet Flushometer, for floor mounted or wall hung top spud bowls.

► Flush Cycle

- ☐ Model 110 Water Saver (3.5 gpf/13.2 Lpf)
- ☐ Model 111-1.6 Low Consumption (1.6 gpf/6.0 Lpf)

► Specifications

Quiet, Exposed, Diaphragm Type, Chrome Plated Closet Flushometer with the following features:

- ADA Compliant Metal Oscillating Non-Hold-Open Handle
- 1" I.P.S. Screwdriver Bak-Chek™ Angle Stop
- Control Stop Plug
- Sweat Solder Adapter with Cover Tube
- Adjustable Tailpiece
- Cast Wall Flange with Set Screw
- Vacuum Breaker Flush Connection
- Spud Coupling and Spud Flange for 1 1/2" Top Spud
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Non-Hold-Open Handle and No External Volume Adjustment to Ensure Water Conservation
- Low Consumption flush accuracy controlled by Para-Flo™ Technology
- Handle Packing, Stop Seat and Vacuum Breaker to be Molded from PERMEX™ Rubber Compound for Chloramine Resistance

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037.

► Accessories

See Accessories Section of the Sloan catalog for available accessories

► Fixtures

Consult Sloan for Sloan brand matching fixture options.

This space for Architect/Engineer approval

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<http://www.sloanvalve.com>



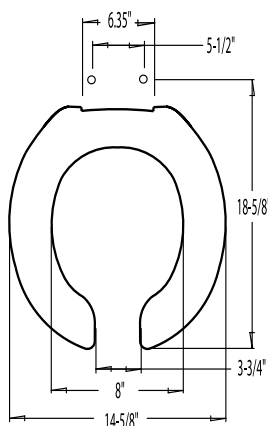
Solid Plastic Seats Elongated

Institutional • Commercial • Heavy-Duty

500 SERIES



Available in Antimicrobial.
Available in Fire-Retardant.



DETAILS

500CC Heavy-duty, open front, less cover for elongated bowl. Plated steel check-hinge with gasket and plastic nuts.

500CCSS Heavy-duty, open front, less cover for elongated bowl. Self-sustaining plated steel check-hinge with gasket and plastic nuts.

500STSCC Heavy-duty, open front, less cover for elongated bowl. Stainless steel check-hinge with gasket, metal flat washers, lock washers and stainless steel nuts.

500STSCCSS Heavy-duty, open front, less cover for elongated bowl. Self-sustaining stainless steel check-hinge with gasket, metal flat washers, lock washers, stainless steel nuts.

Standard Features:

- Corrosion-free stainless steel hinge posts
- Check-hinge posts
- Extended back with concealed hinge
- Integrally-molded, permanent and sanitary color-keyed bumpers
- Corrosion-free hardware
- Withstands cleansers, strong chemicals
- Self-sustaining hinge available

Color	Code #	500 CC	500 CCSS	500 STSCC	500 STSCCSS
White	001	● □	● □	● □	● □
Cotton/Crane White	301	● □	● □	● □	□
Linen/Biscuit	416				□
Black	407	● □	● □	● □	● □
Bone/Almond	106-A				● □

Canada ● U.S. □

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Centoco Customer Service: Canada 519-948-2300 • U.S. 1-800-265-3666

U-1/U-2 URINAL

VENDOR PART	VENDOR	DESCRIPTION	PAGE
K-4991-ET-0	KOHLER	BARDON HIGH-EFFICIENCY URINAL (HEU), ...	27
186-1XL	SLOAN	REGAL 186-1 XL FLUSHOMETER	29

KOHLER®

Bardon™
High-Efficiency Urinal
K-4991-ET

Features

- Washout urinal.
- 3/4" top spud.
- 0.125 gpf (0.47 lpf) to 1.0 gpf (3.8 lpf).
- 14" (356 mm) extended rim.
- Will replace K-4904-ET.

Material

- Vitreous china.

Water Conservation & Rebates

- WaterSense-compliant when used with a 0.125 gpf or 0.5 gpf WaterSense flushometer.

Recommended Accessories

K-10668 WAVE DC 1/8 GPF Urinal Flushometer
K-10949 Tripoint™ DC 1/8 GPF Urinal Flushometer
K-13520 Manual 1/8 GPF Urinal Flushometer
K-7528 WAVE HES 1/8 GPF Urinal Flushometer
K-7546 Tripoint™ HES 1/8 GPF Urinal Flushometer
K-10675 WAVE DC 0.5 GPF Urinal Flushometer
K-10958 Tripoint™ DC 0.5 GPF Urinal Flushometer
K-7537 Tripoint™ HES 0.5 GPF Urinal Flushometer
K-7526 WAVE HES 0.5 GPF Urinal Flushometer
K-13519 Manual 0.5 GPF Urinal Flushometer
K-10676 WAVE DC 1.0 GPF Wshdwn Flushometer
K-10960 Tripoint™ DC 1.0 GPF Wshdwn Flushometer
K-13518 Manual 1.0 GPF Wshdwn Flushometer
K-7539 Tripoint™ HES 1.0 GPF Blwout Flushometer
K-7542 Tripoint™ HES 1.0 GPF Wshdwn Flushometer
K-7527 WAVE HES 1.0 GPF Wshdwn Flushometer

Components

Additional included component/s: 3/4" inlet spud, 2" outlet spud, Strainer, and Hangers (2).



ADA

Codes/Standards

ASME A112.19.2/CSA B45.1
DOE - Energy Policy Act 1992
EPA WaterSense®
California Energy Commission (CEC)
ADA
ICC/ANSI A117.1

KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Color/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit
	47	Almond
	7	Black Black™

USA/Canada: 1-800-4KOHLER (1-800-456-4537)

Kohler Co. reserves the right to make revisions without notice to product specifications.
For the most current Specification Sheet, go to www.kohler.com.

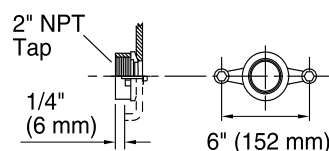
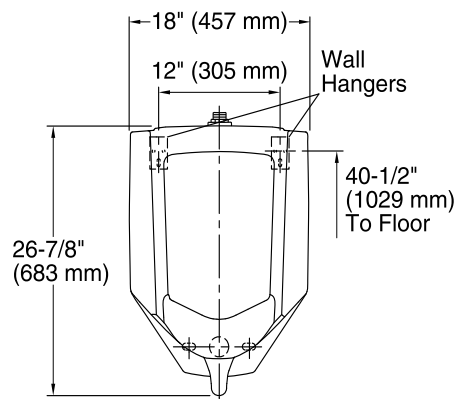
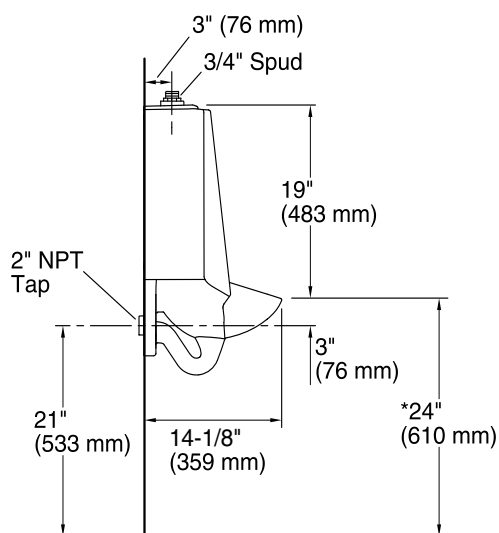
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THE BOLD LOOK
OF **KOHLER®**

KOHLER®

Bardon™
High-Efficiency Urinal
K-4991-ET

*Urinal complies with ADA requirements when rim is mounted no higher than 17" (432 mm) from finished floor.



Spud Detail

Technical Information

All product dimensions are nominal.

Flush outlet Washout
technology:

Spud size: 3/4", Inlet, Top

Min. Water per Flush: 0.125 gal (0.5 L)

Max. Water per Flush: 1 gal (3.8 L)

Designed for the above water use when installed with a water-saving flushometer.

Notes

Install this product according to the installation guide.

Refer to manufacturer's instructions and local codes for flushometer requirements.

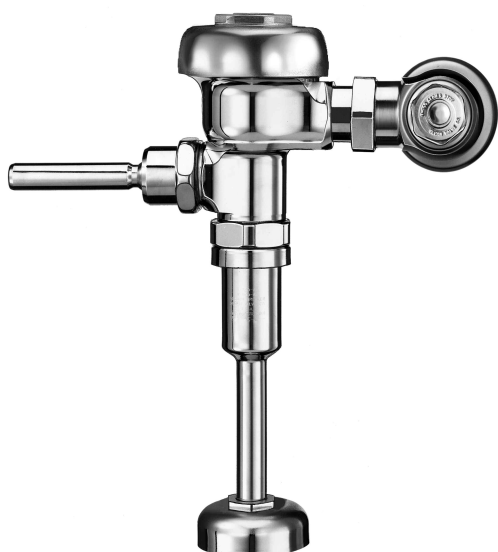
ADA compliant when installed to the specific requirements of these regulations.

USA/Canada: 1-800-4KOHLER (1-800-456-4537)

Kohler Co. reserves the right to make revisions without notice to product specifications.
For the most current Specification Sheet, go to www.kohler.com.

10-24-2016 03:41

THE BOLD LOOK
OF **KOHLER**®



Regal® 186 XL Flushometer



► Models Available

- Regal 186 XL
- Regal 186 XL-XYV Less Flush Connection

► Description

Exposed Urinal Flushometer, for 3/4" top spud urinals.

► Flush Cycle

- Model 186-1.0 Low Consumption (1.0 gpf/3.8 Lpf)
- Model 186 Water Saver (1.5 gpf/5.7 Lpf)

► Specifications

Quiet, Exposed, Diaphragm Type, Chrome Plated Urinal Flushometer with the following features:

- ADA Compliant Metal Oscillating Non-Hold-Open Handle
- 3/4" I.P.S. Screwdriver Bak-Chek™ Angle Stop
- Control Stop Plug
- Sweat Solder Adapter with Cover Tube
- Adjustable Tailpiece
- Cast Wall Flange with Set Screw
- Vacuum Breaker Flush Connection
- Spud Coupling Wall and Spud Flange for 3/4" Top Spud
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Non-Hold-Open Handle and No External Volume Adjustment to Ensure Water Conservation
- Low Consumption flush accuracy controlled by Para-Flo™ Technology
- Handle Packing, Stop Seat and Vacuum Breaker to be Molded from PERMEX™ Rubber Compound for Chloramine Resistance

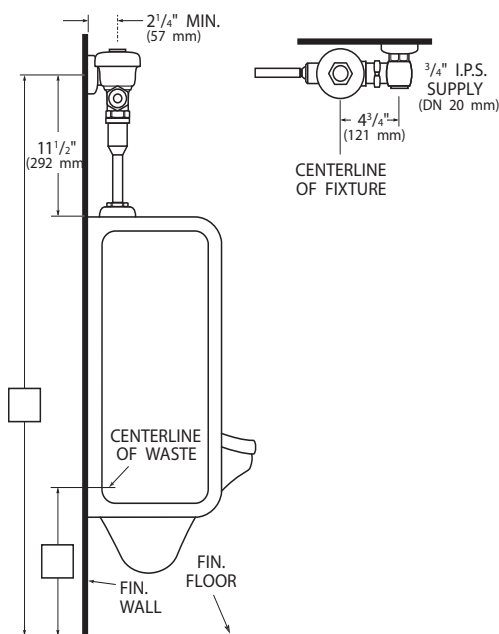
Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037.

► Accessories

See Accessories Section of the Sloan catalog for details on these and other Flushometer variations.

► Fixtures

Consult Sloan for Sloan brand matching fixture options.



Regal 186 XL S.S. — Rev. 2 (06/10)
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<http://www.sloanvalve.com>

TB-1 ADA BATH TUB

VENDOR PART	VENDOR	DESCRIPTION	PAGE
71041110-0	STERLING PLUMBI	PERFORMA, SERIES 7104, 60" X 29" BATH...	31
T14459-SSLHD	DELTA	MONITOR 14 SERIES TUB AND SHOWER TRI...	33
R10000-MFWS	DELTA	MULTICHOICE UNIVERSAL TUB AND SHOWER...	34
52637-SS15-PK	DELTA	H2OKINETIC 5-SETTING SHOWER HEAD	35
T11859-SS	DELTA	3-SETTING 2-PORT DIVERTER TRIM	36
R11000	DELTA	3 / 6-SETTING DIVERTER ROUGH	42
55445-SS	DELTA	H2OKINETIC 5-SETTING ADJUSTABLE WALL...	43
50560-SS	DELTA	WALL ELBOW FOR HAND SHOWER	49
901-LT-PVC-BN	WATCO	1.5-INCH SCHEDULE 40 PVC PIPING INNOV...	50



Features

- Durable high gloss finish.
- 15" (381 mm) bath depth (floor to top of threshold).
- 60" (1524 mm) x 29" (737 mm) x 15" (381 mm) complete unit finished dimensions.

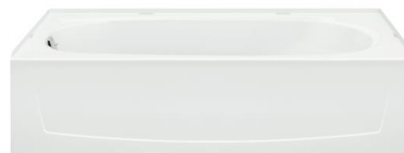
Material

- Compression molded from our exclusive solid Vikrell® material.

Performa™

60" Bath

71041110



Codes/Standards

CSA B45.5/IAPMO Z124

ASTM E162

ASTM E662

Greenguard UL 2818 - Gold

HUD, UM Bulletin 73

STERLING® Warranty - Fixtures Made of Solid Vikrell Material

See website for detailed warranty information.

Available Color/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit

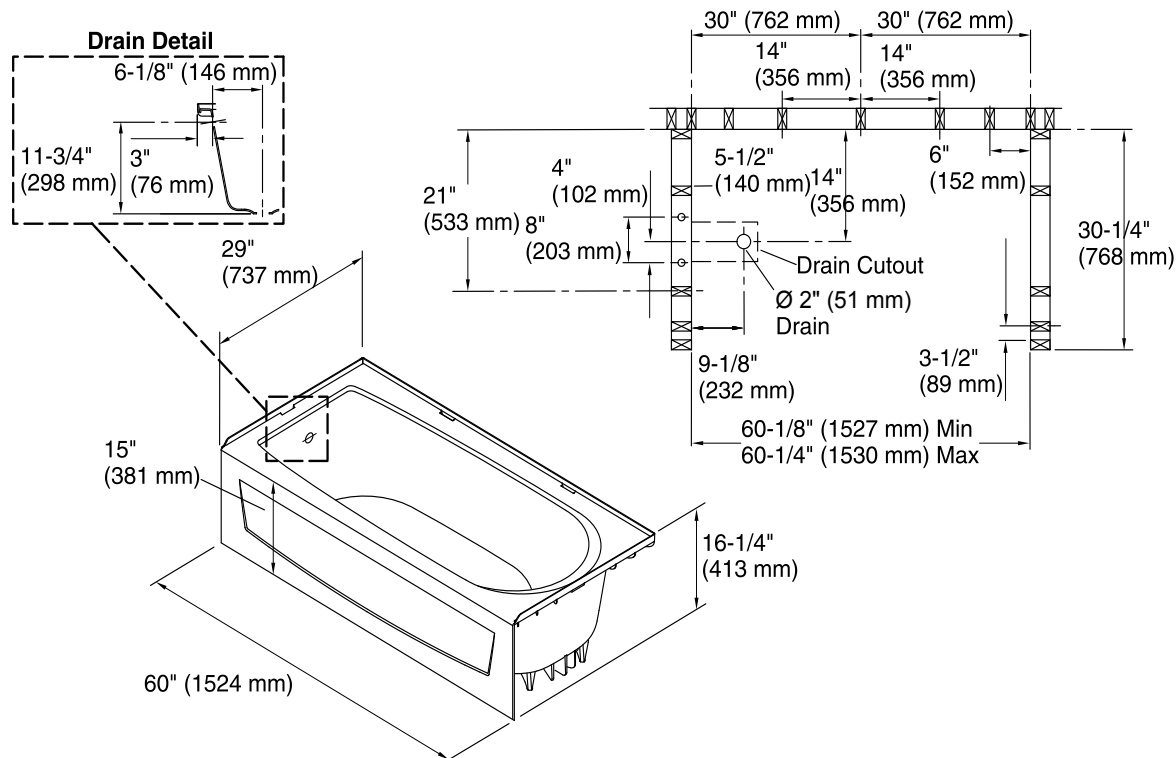
USA/Canada: 1-800-STERLING (1-800-783-7546)

www.sterlingplumbing.com

5-9-2015 04:22



Performa™
60" Bath
71041110



Technical Information

All product dimensions are nominal.

Installation: Alcove with Flange
 Drain location: Left
 Basin area, bottom: 21" x 39" (533 mm x 991 mm)
 Basin area, top: 24" x 53" (610 mm x 1346 mm)
 Water depth: 10-1/4" (260 mm)
 Water capacity: 35 gal (132.5 L)
 Door width required: 60" (1524 mm)

Notes

Measure your actual product for roughing-in details.

Install this product according to the installation guide.

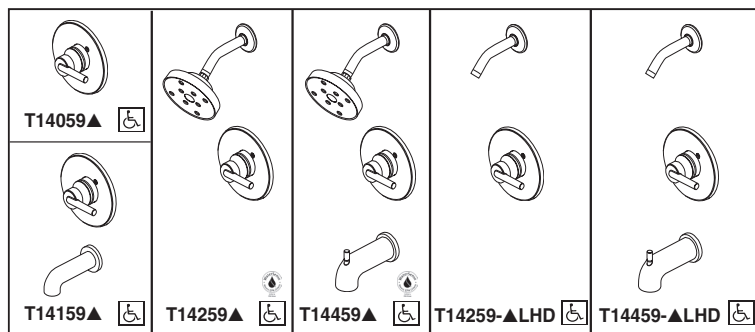
Studs should be positioned roughly as shown.

Double studding is recommended for pivot shower door installations.

USA/Canada: 1-800-STERLING (1-800-783-7546)

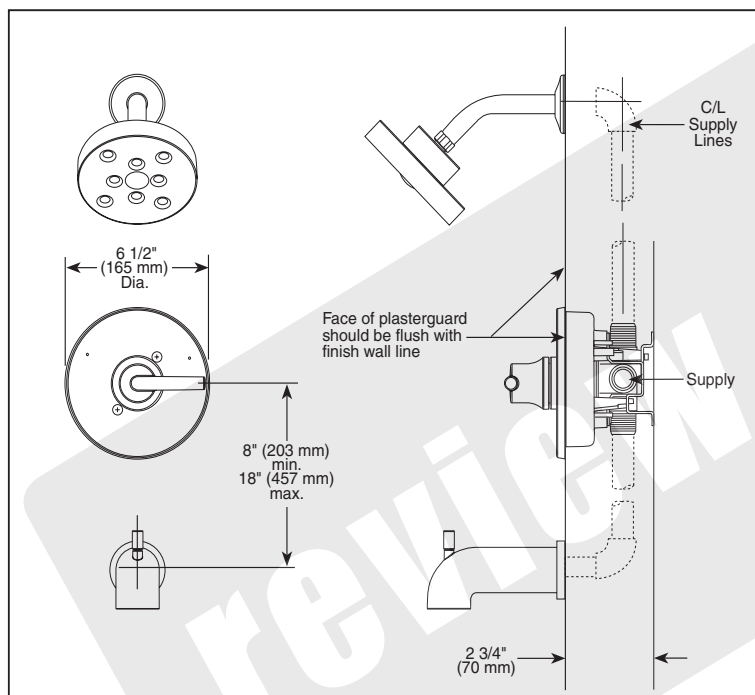
www.sterlingplumbing.com

5-9-2015 04:22

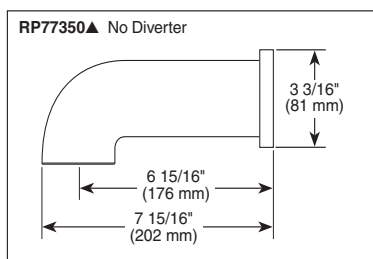
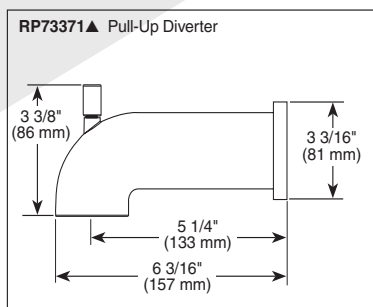
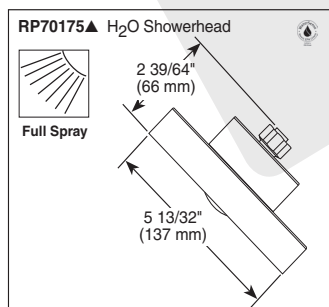


Submitted Model No.: _____

Specific Features: _____



▲ Designate Proper Finish Suffix



Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-B-T14059 Rev. F



TUB AND SHOWER FAUCET TRIM

- Trinsic® Bath Collection
- Valve Only (T14059)
- Tub Only (T14159)
- Shower Only (T14259)
- Tub/Shower (T14459)

STANDARD SPECIFICATIONS:

- Pressure balanced single handle bath mixing valve trim
- Temperature only controlled with handle
- Field adjustable means to limit handle rotation into hot water zone
- 120° maximum handle rotation
- All parts replaceable from the front of the valve
- For use with MultiChoice® Universal rough valve body (R10000 Series)
- Lever handle
- Single function H₂Okinetic Technology® showerhead; 2.0 gpm @ 80 PSI
- Maintains a balanced pressure of hot and cold water even when a valve is turned on or off elsewhere in the system
- Red/blue pad print temperature indicators on escutcheon
- "LHD" models indicate less showerhead
- 1/2" CWT slip-on and spout adapter

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.

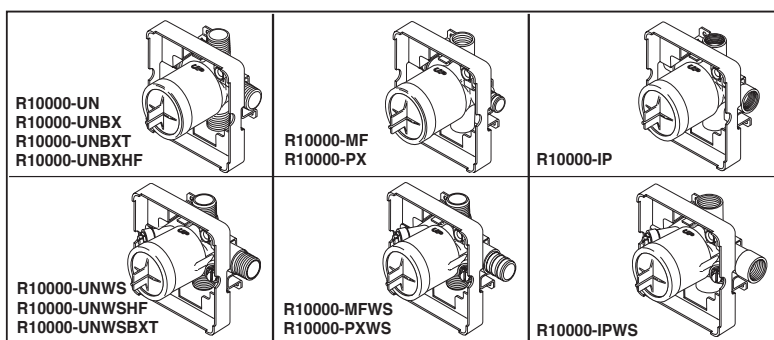


COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- ASSE 1016
- Indicates compliance to ICC/ANSI A117.1 (valve control only)
- EPA WaterSense®

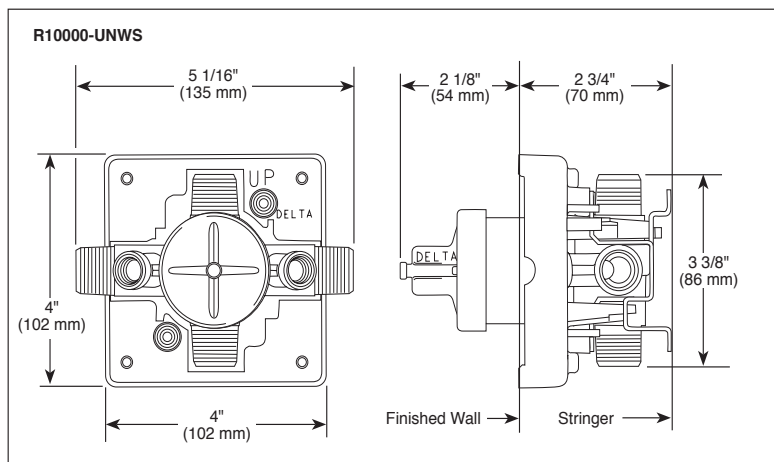
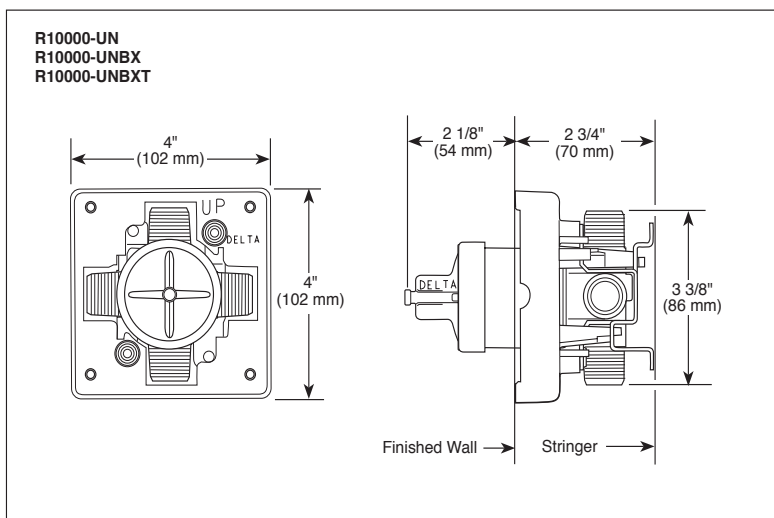


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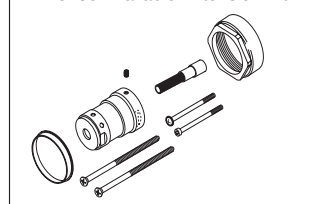


Submitted Model No.:

Specific Features:



RP75136 Available Extension Kit



Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability2

DSP-B-R10000 Rev. H

DELTA

MULTICHOICE® UNIVERSAL ROUGH VALVE BODY

- R10000-UN (Universal Inlets/Outlets)
- R10000-UNBX (Universal Single Box Model)
- R10000-UNBXHF (High Flow Shower Only)
- R10000-UNBXT (Thin Wall)
- R10000-UNWS (Universal with Stops)
- R10000-UNWSHF (High Flow with Stops)
- R10000-UNWSBXT (Thin Wall with Stops)
- R10000-PX (Pex Crimp Connections with UN Outlets)
- R10000-PXWS (Pex Crimp Connections with Stop with UN Outlets)
- R10000-IP (IPS Inlets/Outlets)
- R10000-IPWS (IPS with Stops)
- R10000-MF (Pex Cold Expansion Connections with UN Outlets)
- R10000-MFWS (Pex Cold Expansion with Stops with UN Outlets)

STANDARD SPECIFICATIONS:

- Forged brass body.
- Back-to-Back installation capabilities.
- Can be tested with air (200 PSI) or water (300 PSI) without valve using supplied test cap.
- Square plasterguard allows for right angle cuts.
- Thin wall mounting.
- For use with MultiChoice® Universal single or dual function trim. Cartridge ships with trim.
- 1/2" outlets and connections.

Note: No tub outlet in HF model.

Note: Should use proper fitting with each type (copper tubing, iron pipe, and pex fitting).

Note: Should use proper tooling with crimping pex fitting and cold expansion pex models.

Note: IP indicates female 1/2" threaded connections.

Note: UN indicates Universal type fitting and is 1/2" NPT male thread with 1/2" C.W.T. female sweat.

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.

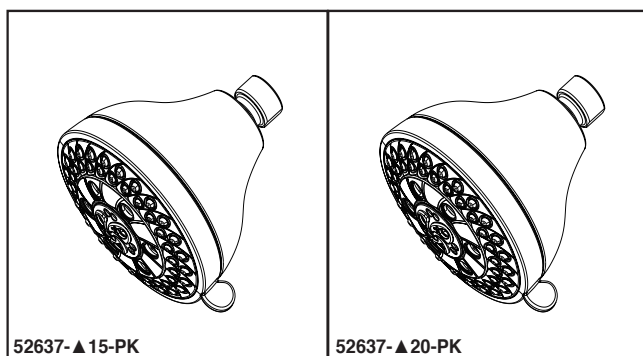


COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1

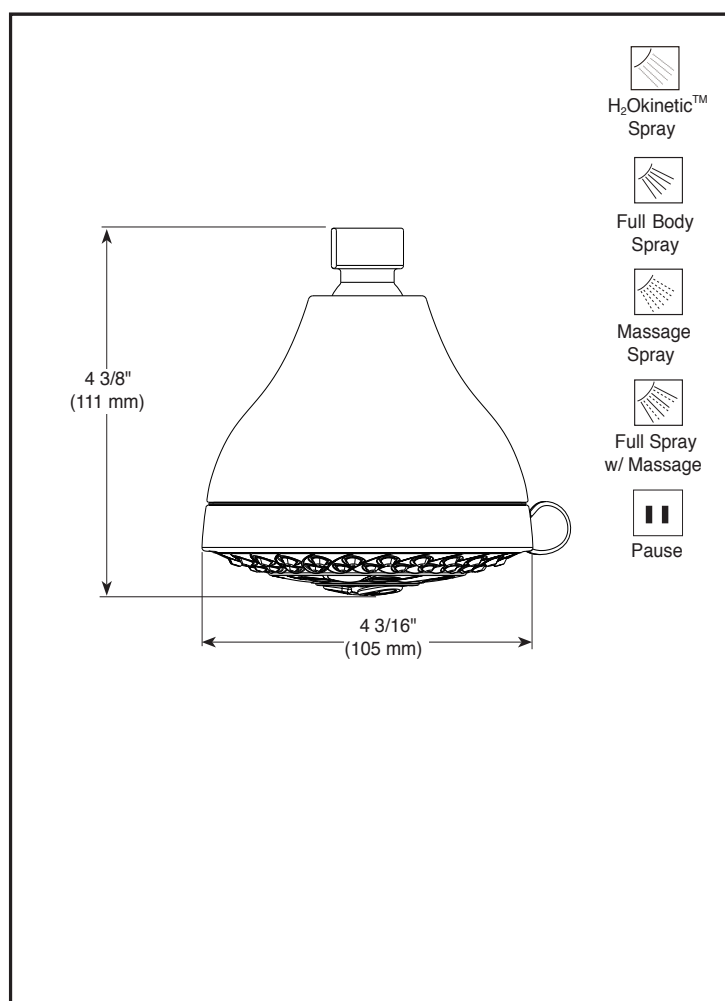


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Submitted Model No.: _____

Specific Features: _____



▲ Designate proper finish suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-B-52637-15-PK Rev. C



SHOWERHEAD

- H₂Okinetic Technology® Showerhead
- 5-Spray Setting Showerhead
- Touch-Clean® Nozzles

STANDARD SPECIFICATIONS:

- ABS showerhead with five settings – not a positive shut-off.
- Standard 1/2" pipe fitting.
- Easy-turn spray dial.
- Metal ball connector for durability. Easy installation.
- Maximum flow rate 2.0 gpm (7.6L/min) @ 80 PSI. (52637-▲20-PK only)
- Maximum flow rate 1.5 gpm (5.7L/min) @ 80 PSI. (52637-▲15-PK only)

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes; or, for commercial users, for 5 years from the date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.



COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- EPA WaterSense®



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51833

**3-PORT, THREE AND SIX FUNCTION
DIVERTER TRIM**

**ACCESORIO PARA EL DESVIADOR DE TRES
Y SEIS FUNCIONES, DE 3 TOMAS**

**ÉLÉMENTS DE FINITION DE L'INVERSEUR À
3 ORIFICES, À TROIS ET SIX FONCTIONS**

Models/Modelos/Modèles

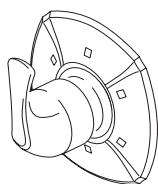
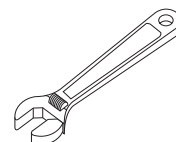
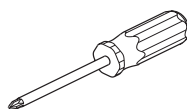
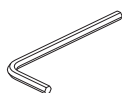
T11800, T11851, T11853, T11855, T11859,
T11861, T11864, T11867, T11885, T11886,
T11892, T11894, T11897-LHP, T11900, T11951,
T11953, T11955, T11959, T11961, T11964, T11967,
T11985, T11986, T11992, T11994, T11997-LHP,
T11852, T11952

Series/Series/Seria

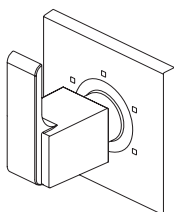
Write purchased model number here.
Escriba aquí el número del modelo comprado.
Inscrivez le numéro de modèle ici.

Rough-in R11000 required for installation
Rough-in R11000 necesario para la instalación
Rough-in R11000 requis pour l'installation

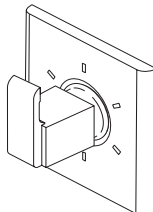
You may need/Usted puede necesitar/Articles dont vous pouvez avoir besoin:



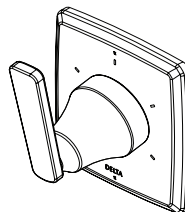
Addison™



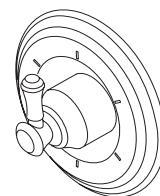
Ara™



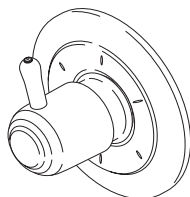
Arzo®



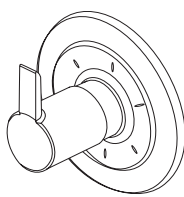
Ashlyn™



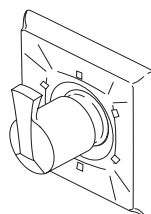
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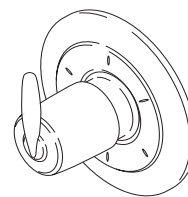
Classic



Compel™



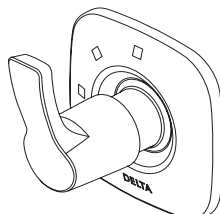
Dryden™



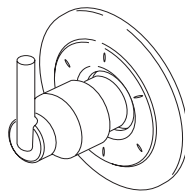
Grail®



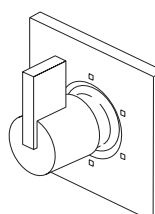
Linden™



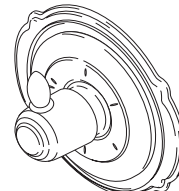
Tesla™



Trinsic™

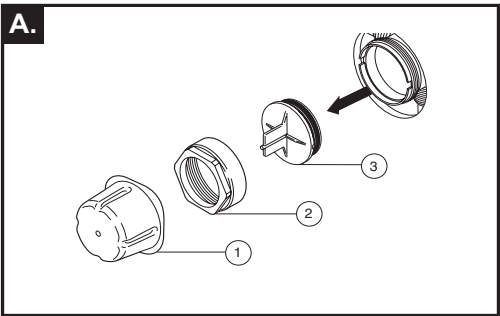
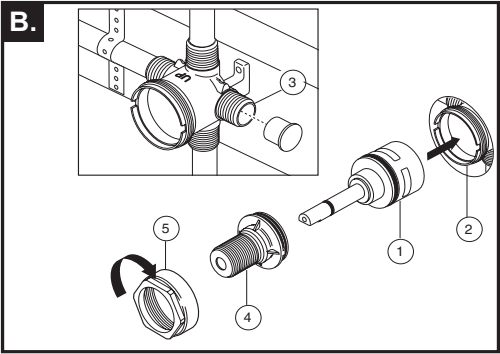
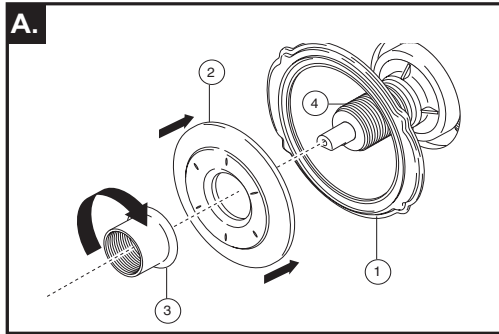
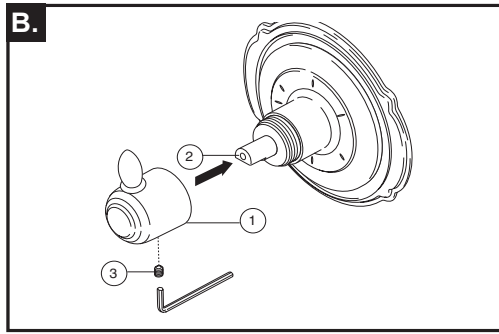


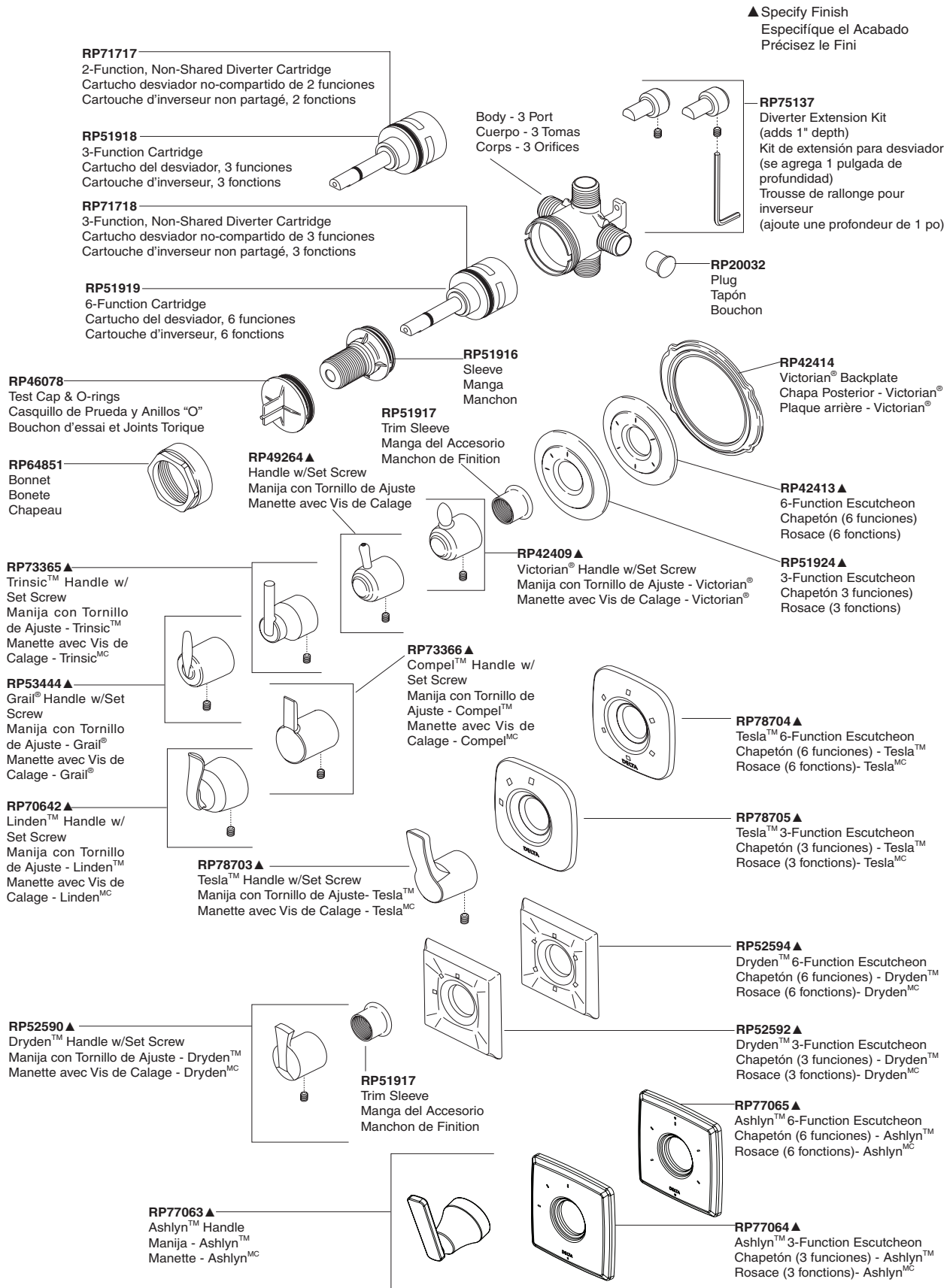
Vero®



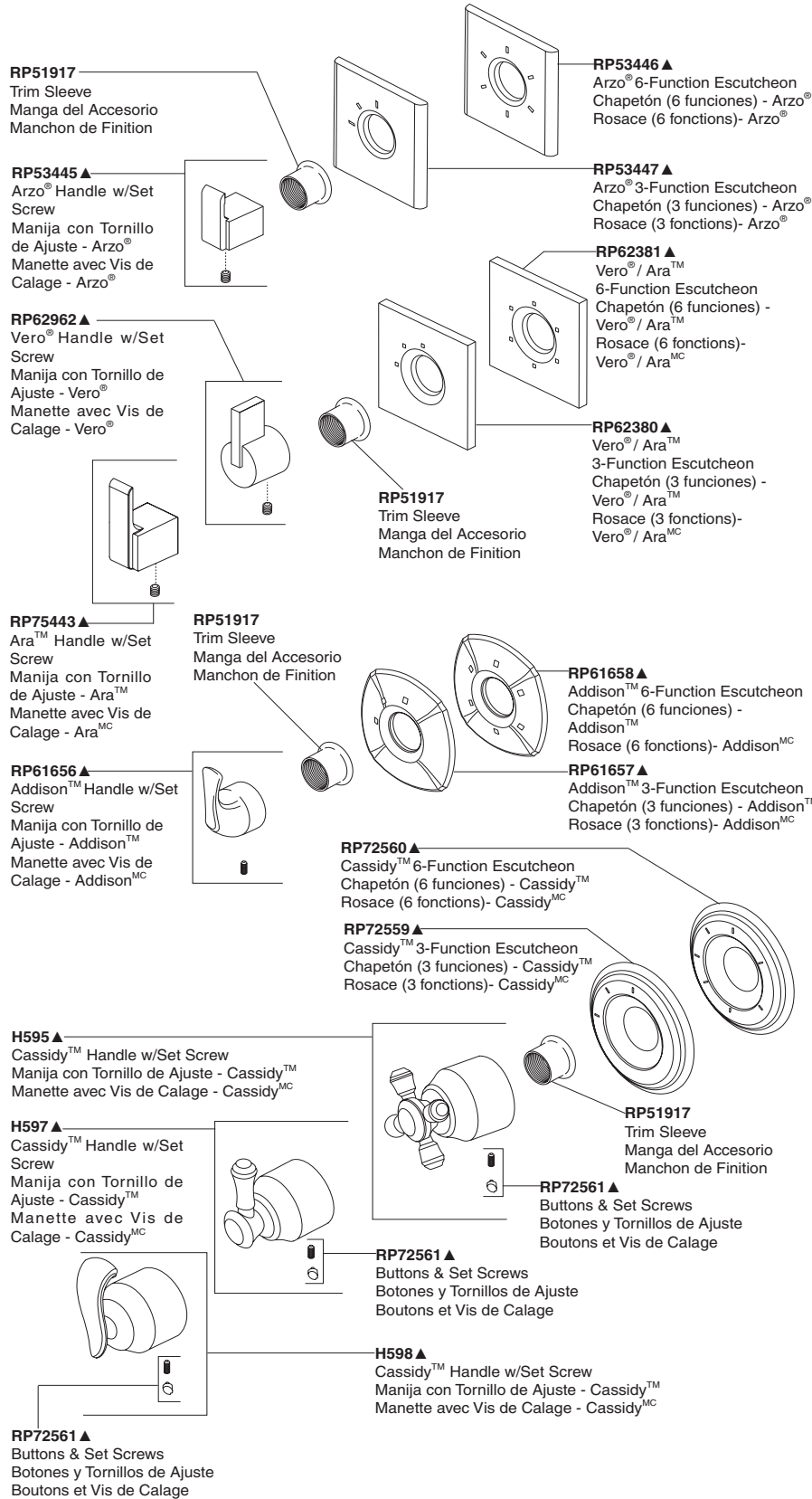
Victorian®

51833

1 A.  B. 	2 A.  B. 
A. When the diverter is ready for trim remove plasterguard (1), bonnet (2) and test cap (3) from the body. B. Install cartridge assembly (1) into body (2) assuring that the locating pin on the bottom of the cartridge aligns with mating hole in body. Note: Right port (3) must be plugged if using a 3 function diverter cartridge. Slide threaded sleeve (4) over cartridge stem aligning tabs on sleeve with slots in body (2) and tighten securely with bonnet (5).	A. Place and hold backplate (1) (T11855/T11955 Only) and escutcheon (2) over diverter. Thread trim sleeve (3) onto threaded sleeve (4) until escutcheon and backplate are secure against wall. Do not overtighten. B. Place handle (1) onto stem (2) and tighten set screw (3).
A. Cuando el desviador está listo el accesorio quite el protector de yeso (1), en capuchón (2) y la tapa de prueba (3) del cuerpo. B. Instale el ensamble del cartucho (1) en el cuerpo (2) asegurándose que la clavija localizadora en la parte inferior del cartucho está alineada con el agujero correspondiente en el cuerpo. Nota: La toma de agua en la derecha (3) debe estar tapada si se utiliza un cartucho desviador de 3 funciones. Deslice la manga enroscada (4) sobre la espiga del cartucho alineando las lengüetas en la manga con las ranuras en el cuer po (2) y apriete bien con el capuchón (5).	A. Coloque y sostenga la placa posterior (1) (T11855/ T11955 solamente) y la chapa de cubierta (2) sobre el desviador. Enrosque la manga de accesorio (3) en la manga enroscada (4) hasta que la chapa de cubierta y la placa posterior queden fijas contra la pared. No apriete demasiado. B. Coloque la manija (1) en la espiga (2) y apriete el tornillo de ajuste (3).
A. Lorsque l'inverseur est prêt à recevoir les éléments de finition, retirez le protecteur (1), le chapeau (2) et le capuchon d'essai (3) du corps. B. Installez la cartouche (1) dans le corps (2) en prenant soin de faire correspondre l'axe de détrompage au bas de la cartouche avec le trou dans le corps. Note: Vous devez obturer l'orifice droit (3) si vous utilisez une cartouche d'inverseur à trois fonctions. Glissez le manchon fileté (4) sur la tige de la cartouche en prenant soin de faire corre spondre les pattes sur le manchon avec les rainures dans le corps (2) et serrez-le solidement avec le chapeau (5).	A. Placez la plaque arrière (1) (T11855/T11955 seulement) et la plaque de finition (2) sur l'inverseur et maintenez-les en place. Vissez le manchon de finition (3) sur le manchon fileté (4) jusqu'à ce que la plaque de finition et la plaque arrière soient immobilisées contre le mur. Évitez de serrer excessivement. B. Placez la manette (1) sur la tige (2) et serrez la vis de calage (3).



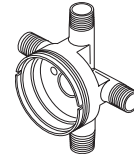
▲ Specify Finish
Especifique el Acabado
Précisez le Fini



Using New Trim With
Rough R11600

Para el uso de un accesorio nuevo
con tuberías internas R11600

Utilisation de la nouvelle finition
avec les soupapes R11600



R11600

If you have **R11600** installed you will need to order **RP42410** (cartridge assembly), **RP37902** (3 function stem extender) OR **RP37903** (6 function stem extender) and **RP37890** (extension screw) to use the new trim.

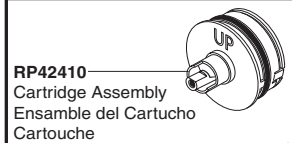
Note: RP42412 (trim sleeve) may be needed for installations between 3.5 and 4.0 inches deep from the finished wall surface.

Si usted tiene instalado la pieza **R11600**, necesitará ordenar **RP42410** (ensamble del cartucho), **RP37902** (extensión de espiga de 3 funciones) o **RP37903** (extensión de espiga de 6 funciones) y **RP37890** (tornillo de extensión) para utilizar el accesorio nuevo.

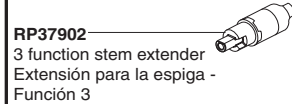
Nota: La pieza RP42412 (manga de accesorio) puede ser necesaria para las instalaciones de 3.5 a 4.0 pulgadas de profundidad desde la superficial de la pared acabada.

Si vous avez installé l'article **R11600**, vous devez commander les articles **RP42410** (cartouche), **RP37902** (rallonge de tige pour soupape à 3 fonctions) OU **RP37903** (rallonge de tige pour soupape à 6 fonctions) et **RP37890** (vis de rallonge) et les utiliser avec la nouvelle finition.

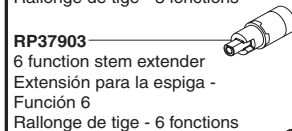
Note: L'article RP42412 (manchon de finition) peut être nécessaire pour les installations présentant un écart de 3,5 à 4 pouces de profondeur par rapport à la surface finie du mur.



RP42410
Cartridge Assembly
Ensamble del Cartucho
Cartouche



RP37902
3 function stem extender
Extensión para la espiga -
Función 3
Rallonge de tige - 3 fonctions



RP37903
6 function stem extender
Extensión para la espiga -
Función 6
Rallonge de tige - 6 fonctions

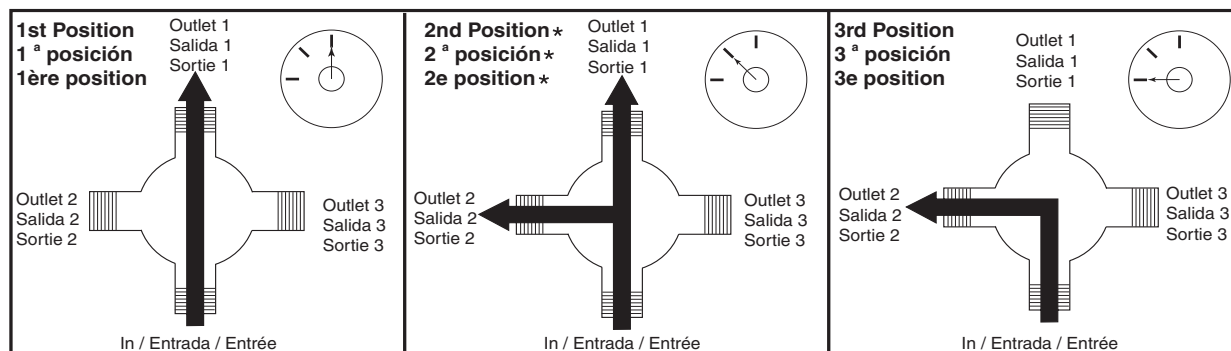


RP37890
Extension Screw
Tornillos de Extension
Vis de Rallonge



RP42412
Trim Sleeve
Manga del Accesorio
Manchon de Finition

Water Flow For 3 Function Diverter / Flujo de agua para Desviadores de 3 posiciones / Écoulement de l'eau pour les inverseurs à 3 positions

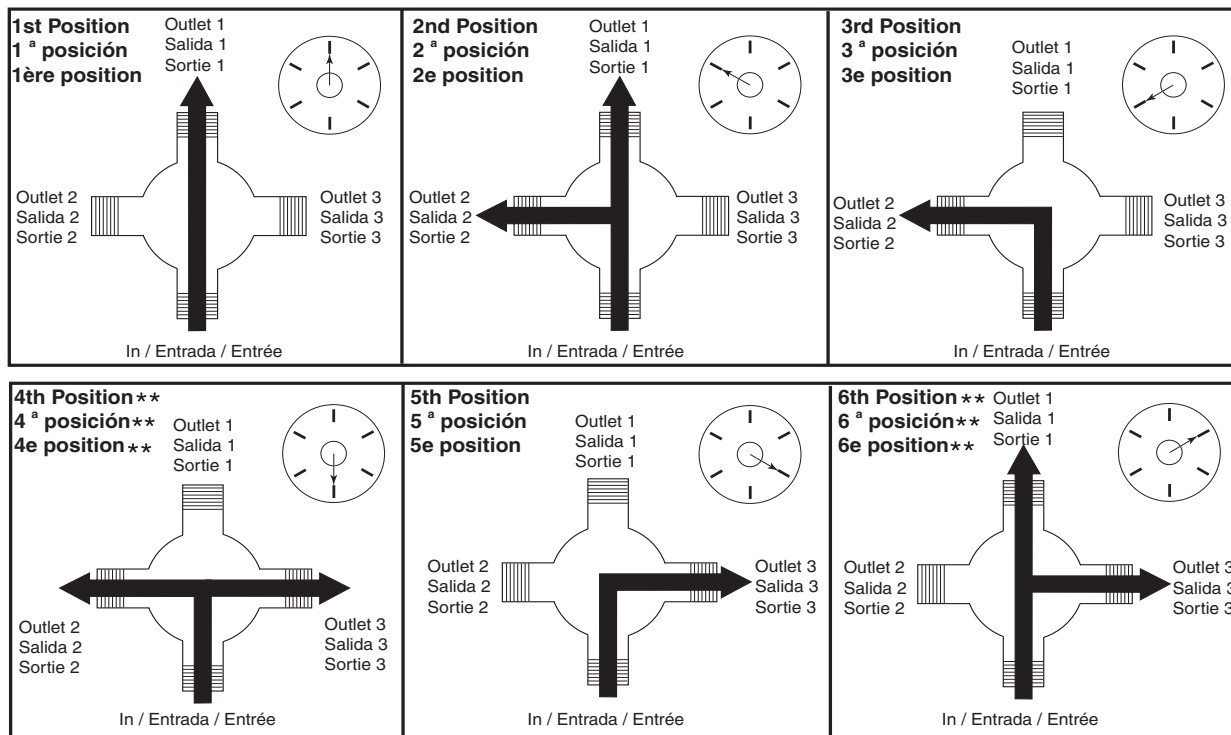


* Shared positions do not exist in non-shared cartridges.

* Los ajustes o posiciones compartidas no existen en los cartuchos no-compartidos.

* Comme leur nom l'indique, les cartouches sans position partagée ne comportent aucune position partagée.

Water Flow For 6 Function Diverter / Flujo de agua para Desviadores de 6 posiciones / Écoulement de l'eau pour les inverseurs à 6 positions



** Shared positions do not exist in non-shared cartridges.

** Los ajustes o posiciones compartidas no existen en los cartuchos no-compartidos.

** Comme leur nom l'indique, les cartouches sans position partagée ne comportent aucune position partagée.

CLEANING AND CARE

Care should be given to the cleaning of this product. Although its finish is extremely durable, it can be damaged by harsh abrasives or polish. To clean, simply wipe gently with a damp cloth and blot dry with a soft towel.

LIMPIEZA Y CUIDADO DE SU LLAVE

Tenga cuidado al ir a limpiar este producto. Aunque su acabado es sumamente durable, puede ser afectado por agentes de limpieza o para pulir abrasivos. Para limpiar su llave, simplemente frótelas con un trapo húmedo y luego séquela con una toalla suave.

INSTRUCTIONS DE NETTOYAGE

Il faut le nettoyer avec soin. Même si son fini est extrêmement durable, il peut être abîmé par des produits fortement abrasifs ou des produits de polissage. Il faut simplement le frotter doucement avec un chiffon humide et le sécher à l'aide d'un chiffon doux.

CLEANING AND CARE

Care should be given to the cleaning of this product. Although its finish is extremely durable, it can be damaged by harsh abrasives or polish. To clean, simply wipe gently with a damp cloth and blot dry with a soft towel.

Limited Warranty on Delta® Faucets

Parts and Finish

All parts (other than electronic parts and batteries) and finishes of this Delta® faucet are warranted to the original consumer purchaser to be free from defects in material and workmanship for as long as the original consumer purchaser owns the home in which the faucet was first installed or, for commercial users, for 5 years from the date of purchase.

Electronic Parts and Batteries (if applicable)

Electronic parts (other than batteries), if any, of this Delta® faucet are warranted to the original consumer purchaser to be free from defects in material and workmanship for 5 years from the date of purchase or, for commercial users, for one year from the date of purchase. No warranty is provided on batteries.

Delta Faucet Company will replace, FREE OF CHARGE, during the applicable warranty period, any part or finish that proves defective in material and/or workmanship under normal installation, use and service. If repair or replacement is not practical, Delta Faucet Company may elect to refund the purchase price in exchange for the return of the product. **These are your exclusive remedies.**

Delta Faucet Company recommends using a professional plumber for all installation and repair. We also recommend that you use only genuine Delta® replacement parts.

Delta Faucet Company shall not be liable for any damage to the faucet resulting from misuse, abuse, neglect or improper or incorrectly performed installation, maintenance or repair, including failure to follow the applicable care and cleaning instructions.

Replacement parts may be obtained by calling the applicable number below or by writing to:

In the United States and Mexico:

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1-800-345-DELTA (3358)
customerservice@deltafaucet.com

In Canada:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1-800-345-DELTA (3358)
customerservice@mascocanada.com

Proof of purchase (original sales receipt) from the original purchaser must be made available to Delta Faucet Company for all warranty claims unless the purchaser has registered the product with Delta Faucet Company. This warranty applies only to Delta® faucets manufactured after January 1, 1995 and installed in the United States of America, Canada and Mexico.

DELTA FAUCET COMPANY SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LABOR CHARGES) FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THE FAUCET. Some states/provinces do not allow the exclusion or limitation of special, incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you special legal rights. You may also have other rights which vary from state/province to state/province.

This is Delta Faucet Company's exclusive written warranty and the warranty is not transferable.

If you have any questions or concerns regarding our warranty, please view our Warranty FAQs at www.deltafaucet.com, email us at customerservice@deltafaucet.com or call us at the applicable number above.

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LIMPIEZA Y CUIDADO DE SU LLAVE

Tenga cuidado al ir a limpiar este producto. Aunque su acabado es sumamente durable, puede ser afectado por agentes de limpieza o para pulir abrasivos. Para limpiar su llave, simplemente frótlela con un trapo húmedo y luego séquela con una toalla suave.

Garantía Limitada de las Llaves de Agua (grifos) Delta®

Piezas y acabado

Todas las piezas (excepto las piezas electrónicas y las pilas) y los acabados de esta llave de agua Delta® están garantizados al consumidor comprador original de estar libres de defectos en material y fabricación durante el tiempo que el comprador original posea la vivienda en la que la llave de agua fue originalmente instalada o, para los consumidores comerciales, durante 5 años a partir de la fecha de compra.

Componentes electrónicos y pilas (si aplicable)

Todas las piezas (salvo las pilas), si hay, de esta llave de agua Delta® están garantizadas al consumidor comprador original de estar libres de defectos en materiales y fabricación durante 5 años a partir de la fecha de compra o, para los usuarios comerciales, por un año a partir de la fecha de compra. No se garantizan las pilas.

Delta Faucet Company reemplazará, SIN CARGO, durante el período de garantía aplicable, cualquier pieza o acabado que pruebe tener defectos de material y/o fabricación bajo la instalación, uso y servicio normal. Si la reparación o su reemplazo no es práctico, Delta Faucet Company tiene la opción de reembolsarle su dinero por la cantidad del precio de compra a cambio de la devolución del producto. **Estos son sus únicos recursos.**

Delta Faucet Company recomienda que use los servicios de un plomero profesional para todas las instalaciones y reparaciones. También le recomendamos que utilice sólo las piezas de repuesto originales de Delta®.

Delta Faucet Company no será responsable por cualquier daño a la llave de agua que resulte del mal uso, abuso, negligencia o mala instalación o mantenimiento o reparación incorrecta, incluyendo el no seguir los cuidados aplicables y las instrucciones de limpieza.

Las piezas de repuesto se pueden obtener llamando al número correspondiente más abajo, o escribiendo a:

En los Estados Unidos y México:

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1-800-345-DELTA (3358)
customerservice@deltafaucet.com

En Canadá:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1-800-345-DELTA (3358)
customerservice@mascocanada.com

La prueba de compra (recibo original) del comprador original debe ser disponible a Delta Faucet Company para todos los reclamos a menos que el comprador haya registrado el producto con Delta Faucet Company. Esta garantía le aplica sólo a las llaves de agua de Delta® fabricadas después del 1 de enero 1995 e instaladas en los Estados Unidos de América, Canadá y México.

DELTA FAUCET COMPANY NO SE HACE RESPONSABLE POR CUALQUIER DAÑO ESPECIAL, INCIDENTAL O CONSECUENTE (INCLUYENDO LOS GASTOS DE MANO DE OBRA) POR EL INCUMPLIMIENTO DE CUALQUIER GARANTÍA EXPRESA O IMPLÍCITA DE LA LLAVE DE AGUA. Algunos estados/provincias no permiten la exclusión o limitación de daños especiales, incidentales o consecuentes, por lo que estas limitaciones y exclusiones pueden no aplicarle a usted. Esta garantía le otorga derechos legales. Usted también puede tener otros derechos que varían de estado/provincia a estado/provincia.

Esta es la garantía exclusiva por escrito de Delta Faucet Company y la garantía no es transferible.

Si usted tiene alguna pregunta o inquietud acerca de nuestra garantía, por favor, vea nuestra sección de preguntas frecuentes FAQ sobre la garantía en www.deltafaucet.com, también puede enviarnos un correo electrónico a customerservice@deltafaucet.com o llámenos al número que le corresponda anteriormente incluido.

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INSTRUCTIONS DE NETTOYAGE

Il faut le nettoyer avec soin. Même si son fini est extrêmement durable, il peut être abîmé par des produits fortement abrasifs ou des produits de polissage. Il faut simplement le frotter doucement avec un chiffon humide et le sécher à l'aide d'un chiffon doux.

Garantie limitée des robinets Delta®

Pièces et finis

Toutes les pièces (à l'exception des composants électroniques et des piles) et tous les finis de ce robinet Delta® sont protégés contre les défauts du matériau et les vices de fabrication par une garantie qui est consentie au premier acheteur et qui demeure valide tant que celui-ci demeure propriétaire de la maison dans laquelle le robinet a été installé. Dans le cas d'une utilisation commerciale, la garantie est de 5 ans à compter de la date d'achat.

Composants électroniques et piles (le cas échéant)

Si ce robinet Delta® comporte des composants électroniques, ces composants (à l'exception des piles) sont protégés contre les défauts du matériau et les vices de fabrication par une garantie consentie au premier acheteur qui est d'une durée de 5 ans à compter de la date d'achat. Dans le cas d'une utilisation commerciale, la garantie est d'un an à compter de la date d'achat. Aucune garantie ne couvre les piles.

Delta Faucet Company remplacera, GRATUITEMENT, pendant la période de garantie applicable, toute pièce ou tout fini qui présentera une défectuosité du matériau et/ou un vice de fabrication pour autant que le robinet ait été installé, utilisé et entretenu normalement. S'il est impossible de réparer ou de remplacer le robinet, Delta Faucet Company pourra décider de rembourser le prix d'achat du produit pour autant que celui-ci lui soit retourné. **Il s'agit de vos seuls recours.**

Delta Faucet Company recommande de confier l'installation et la réparation à un plombier professionnel. Nous vous recommandons également d'utiliser uniquement des pièces de rechange authentiques Delta®.

Delta Faucet Company se dégage de toute responsabilité à l'égard des dommages causés au robinet en raison d'un mauvais usage, d'un usage abusif, de la négligence ou de l'utilisation d'une méthode d'installation, de maintenance ou de réparation incorrecte ou inadéquate, y compris les dommages résultant du non-respect des instructions de nettoyage et d'entretien applicables.

Pour obtenir des pièces de rechange, veuillez appeler au numéro applicable ci-dessous ou écrire à l'adresse applicable ci-dessous.

Aux États-Unis et au Mexique :

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1-800-345-DELTA (3358)
customerservice@deltafaucet.com

Au Canada:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1-800-345-DELTA (3358)
customerservice@mascocanada.com

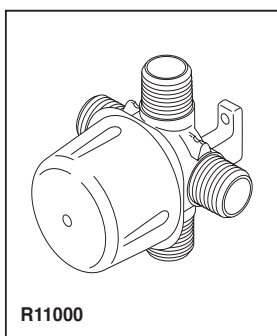
La preuve d'achat (reçu original) du premier acheteur doit être présentée à Delta Faucet Company pour toutes les demandes en vertu de la garantie, sauf si le produit a été enregistré auprès de Delta Faucet Company. La présente garantie s'applique uniquement aux robinets Delta® fabriqués après le 1er janvier 1995 et installés aux États-Unis d'Amérique, au Canada et au Mexique.

DELTA FAUCET COMPANY SE DÉGAGE DE TOUTE RESPONSABILITÉ À L'ÉGARD DES DOMMAGES PARTICULIERS, CONSÉCUTIFS OU INDIRECTS (Y COMPRIS LES FRAIS DE MAIN-D'OEUVRE) QUI POURRAIENT RÉSULTER DE LA VIOLATION D'UNE GARANTIE IMPLICITE OU EXPLICITE QUELCONQUE SUR LE ROBINET. Dans les États ou les provinces où il est interdit de limiter ou d'exclure la responsabilité à l'égard des dommages particuliers, consécutifs ou indirects, les limites et les exclusions susmentionnées ne s'appliquent pas. La présente garantie vous donne des droits précis qui peuvent varier selon l'État ou la province où vous résidez.

La présente garantie écrite est la garantie exclusive offerte par Delta Faucet Company et elle n'est pas transférable.

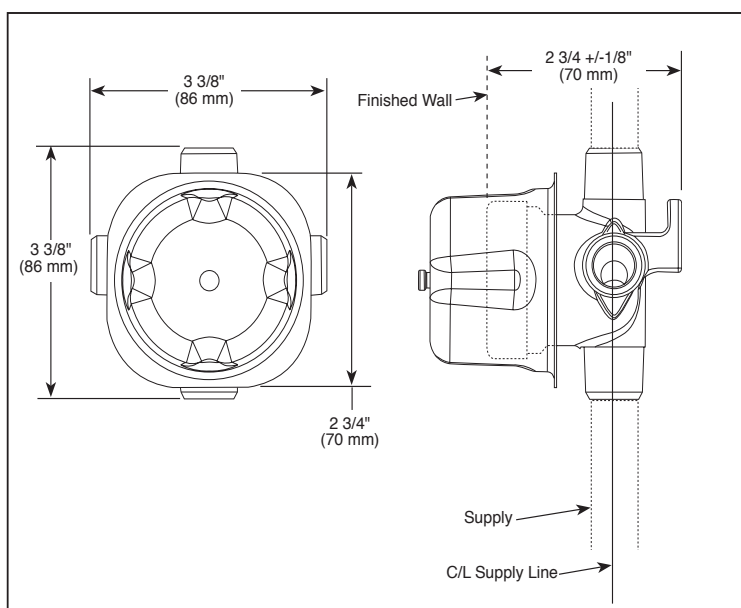
Si vous avez des questions ou des préoccupations en ce qui concerne notre garantie, veuillez consulter la page Warranty FAQs à www.deltafaucet.com, faire parvenir un courriel à customerservice@deltafaucet.com ou nous appeler au numéro applicable.

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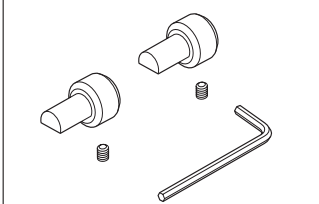


Submitted Model No.: _____

Specific Features: _____



RP75137 Available Extension Kit



ROUGH VALVE BODY

- R11000 (Case Qty. 3)
- 1/2" Rough-In

STANDARD SPECIFICATIONS

- Three port diverter rough
- For use with (3) three or (6) six function diverter.
- Forged brass body
- Can be tested with air (200 psi) or water (300 psi) using supplied test cap
- Refer to the installation instructions for more details

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.

COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-B-R11000 Rev. E



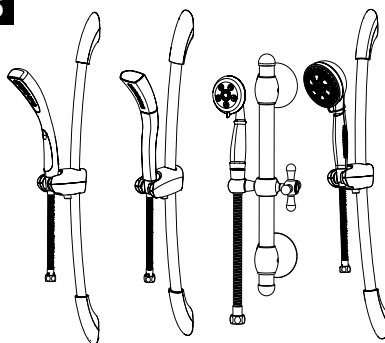
55 E. 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
© 2015 Masco Corporation of Indiana



68405

ASME A112.18.1 / CSA B125.1

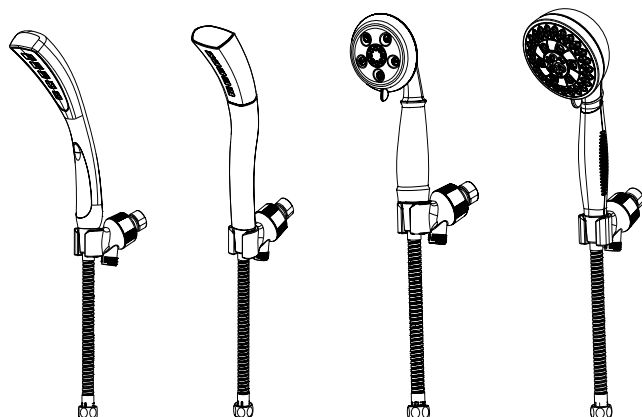
Write purchased model number here.
Escriba aquí el número del modelo comprado.
Inscrivez le numéro de modèle ici.



51105, 51205, 51308 & 51405 SERIES
WALL BAR HAND SHOWER UNIT
INSTALLATION INSTRUCTIONS

SERIES 51105, 51205, 51308 Y 51405
INSTRUCCIONES PARA LA INSTALACIÓN DE LA BARRA EN LA PARED PARA SOSTENER LA REGADERA MANUAL

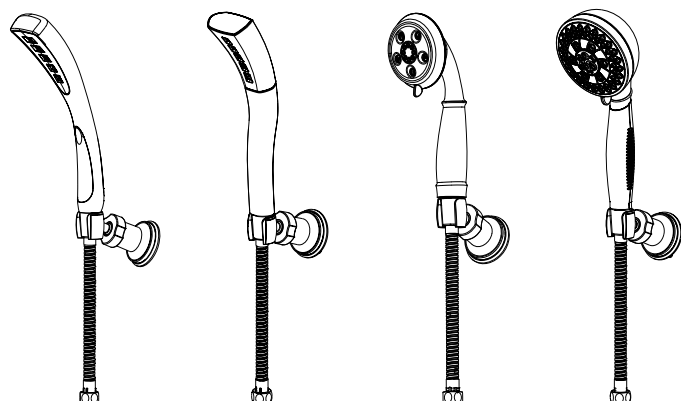
SERIA 51105, 51205, 51308 ET 51405
INSTRUCTIONS D'INSTALLATION DE LA COULISSE DE DOUCHE À MAIN



54411, 54421, 54433 & 54445 SERIES
SHOWER MOUNT HAND SHOWER
INSTALLATION INSTRUCTIONS

SERIES 54411, 54421, 54433 Y 54445
INSTRUCCIONES PARA LA INSTALACIÓN DE LA REGADERA MANUAL EN LA REGADERA

SERIA 54411, 54421, 54433 ET 54445
INSTRUCTIONS D'INSTALLATION DU PORTE-DOUCHE



55411, 55421, 55433 & 55445 SERIES
WALL MOUNT HAND SHOWER
INSTALLATION INSTRUCTIONS

SERIES 55411, 55421, 55433 Y 55445
INSTRUCCIONES PARA LA INSTALACIÓN DE LA REGADERA MANUAL EN LA PARED

SERIA 55411, 55421, 55433 ET 55445
INSTRUCTIONS D'INSTALLATION DES SUPPORTS MURAUX

For easy installation of your Delta faucet you will need:

- To **READ ALL** the instructions completely before beginning.
- To **READ ALL** warnings, care, and maintenance information.
- To purchase the correct **water supply hook-up**.

Para instalación fácil de su llave Delta usted necesitará:

- **LEER TODAS** las instrucciones completamente antes de empezar.
- **LEER TODOS** los avisos, cuidados, e información de mantenimiento.
- Comprar las conexiones correctas para el **suministro de agua**.

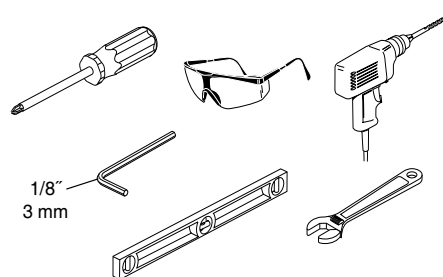
Pour installer votre robinet Delta facilement, vous devez:

- **LIRE TOUTES** les instructions avant de débiter;
- **LIRE TOUS** les avertissements ainsi que toutes les instructions de nettoyage et d'entretien;
- Acheter le bon nécessaire de raccordement.

You may need

Usted puede necesitar

Articles dont vous pouvez avoir besoin:



www.deltafaucet.com

68405

4/15/2013 Rev. C

1

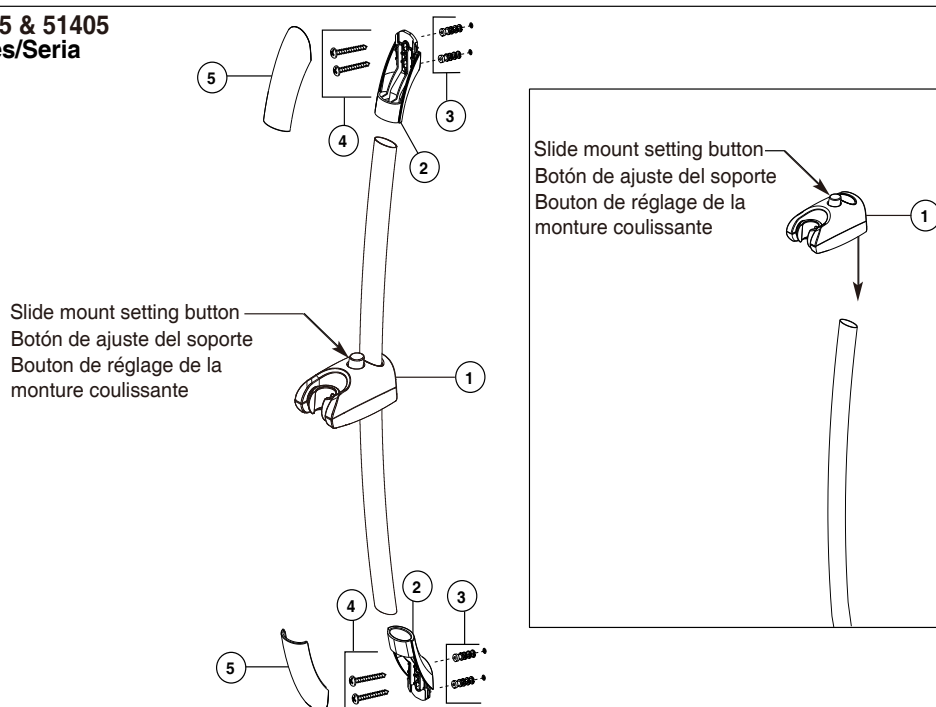
Slide Bar Barra deslizable Coulisse

Select wall position for wall bar or wall mount bracket based on family's needs. **NOTE: Locate so there will be slack in the hose when hand shower is in extreme up or down position.** Follow the mounting instructions for your specific model.

Elija la posición en la pared para la barra de pared basada en las necesidades de su familia. **NOTA: Ubíquela de manera que tenga la manguera algo floja cuando use la regadera manual, en la posición extrema hacia arriba o hacia abajo.**

Choisissez un endroit sur le mur qui convient aux besoins de votre famille. **NOTE : Laissez suffisamment de jeu au tuyau de sorte que la douche à main puisse atteindre les points inférieur et supérieur extrêmes librement.**

51105, 51205 & 51405 Series/Series/Seria



SLIDE BAR INSTALLATION

Pressing down on the Slide Mount's setting button, slide the Slide Mount (1) onto the wall bar. The slide mount must be on the bar before mounting it to the brackets. place wall brackets onto both ends of the bar mark the location for the drilled holes onto the mounting surface. Secure mounting posts (2) to wall with anchors (3) and screws (4). **Note: For ceramic tile installation, drill holes in grout (if possible) and insert anchors. For fiberglass/acrylic surfaces, use toggle bolts (not included).** Slide each bracket cover (5) over its respective wall bracket and snap into place.

INSTALACIÓN DE LA BARRA DESLIZABLE

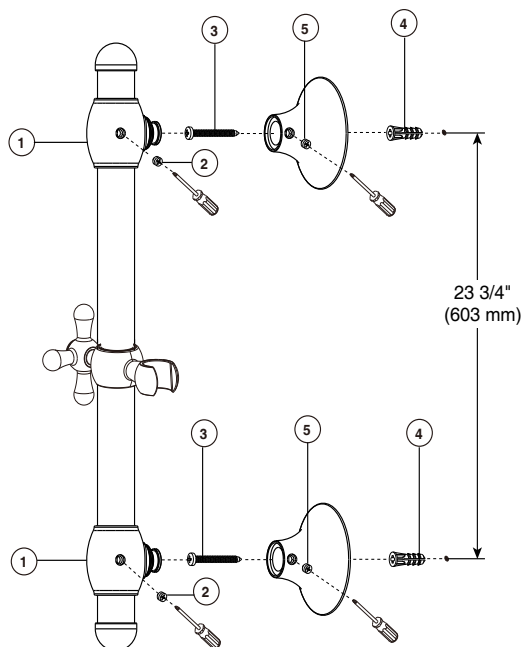
Mientras aprieta el botón de ajuste del soporte, deslice el soporte (1) en la agarradera de pared. El mecanismo de la soporte debe ser en la barra antes del montaje él a los soportes. Coloque los soportes de pared en ambos extremos de la barra y marque la ubicación de los agujeros para taladrar en la superficie de montaje. Asegure los postes del montaje (2) a la pared con las anclas (3) y los tornillos (4). **Nota: Para la instalación de la baldosa cerámica, los agujeros de taladro en lechada (si es posible) y las anclas del parte movable. Para la fibra de vidrio/las superficies de acrílico, utilice los pernos de palanca (no incluidos).** Deslice cada cubierta de soporte (5) sobre su respectivo soporte de pared y fíjelas a presión en su lugar.

INSTALLATION DE LA COULISSE

En appuyant sur le bouton de réglage de la monture coulissante, faites glisser la monture coulissante (1) sur le support mural. Le mécanisme de glissière doit être sur la barre avant le support lui aux parenthèses. Placez les supports muraux sur les deux extrémités de la barre et marquez l'emplacement des trous percés sur la surface de montage. Fixez les poteaux de support (2) au mur avec des ancrs (3) et des vis (4). **Note : Pour l'installation de carreau de céramique, les trous de foret en coulis (si possible) et les ancrs d'insertion. Pour la fibre de verre/surfaces acryliques, utilisez les boulons à bascule (non inclus).** Faites glisser chaque couvre-support (5) sur le support mural correspondant et encliquetez-le en place.

Slide Bar
Barra deslizabel
Coulisse

51308
Series/Series/Seria



SLIDE BAR INSTALLATION

Locate stud for secure mounting. The sheaths (1) are adjustable, loosen sheath set screws (2) to adjust mount location. Tighten sheath set screws once mount location is selected. Mark mounting locations, suggest 23 3/4" (603mm) on center. Loosen the escutcheon set screws (5). Remove the escutcheons from the wall bar assembly. Mount the escutcheons to the wall using the supplied screws (3) and anchors (4). Place the bar on mounted escutcheons and tighten set screws (5).

INSTALACIÓN DE LA BARRA DESLIZABLE

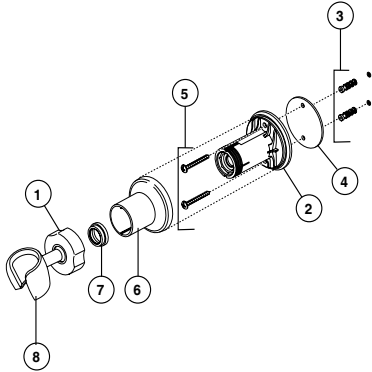
Localice el semental para un montaje seguro. Las cubiertas (1) son ajustables, afloje los tornillos de fijación (2) para modificar la ubicación de montaje. Apriete los tornillos de ajuste una vez que esté definida la ubicación de montaje. Marque las posiciones de montaje, se sugiere 23 3/4" (603mm) al centro. Afloje los tornillos de fijación de escudo (5). Retire el conjunto de los escudos de la barra de la pared. Monte los escudos en la pared utilizando los tornillos (3) y anclajes (4) suministrados. Coloque la barra en los escudos montados y aprete los tornillos de fijación (5).

INSTALLATION DE LA BARRE COULISSE

Placer les points de montage pour un montage sécurisé. La gaine (1) sont réglables, desserrez les vis de fixation (2) pour régler emplacement de montage. Serrer gaine vis de réglage une fois emplacement de montage est sélectionné. Marquez les emplacements de montage, suggèrent 23 3/4" (603mm) au centre. Desserrer les vis de fixation (5) des appliques. Enlever les appliques de l'ensemble de la barre murale. Monter les appliques au mur en utilisant les vis (3) et chevilles (4) fournies. Placer la barre sur les appliques montée et serrer les vis de fixation (5).

Wall Mount Montaje en la pared Supports Muraux

55411, 55421, 55433 & 55445
Series/Series/Seria



WALL MOUNT BRACKET INSTALLATION

Models 55411, 55421, 55433 & 55445- Select wall position for hand shower wall mount based on family's needs.

Remove the locknut (1) from the bracket (2). Using the bracket (2), mark the 2 holes in the desired location. Remove the bracket and drill 1/4" holes. Insert anchors (3).

Note: For ceramic tile installation, drill holes in grout (if possible) and insert anchors. For fiberglass/acrylic surfaces, use toggle bolts (not included).

Secure the wall bracket (2) and gasket (4) with the screws (5) provided. Slide the bracket cover (6) over the bracket. Install gliding ring (7). Install hand shower mount (8) onto bracket (2). Secure locknut (1).

INSTALACIÓN DEL MONTAJE EN LA PARED

Modelos 55411, 55421, 55433 y 55445- Posición selecta de la pared para el montaje de la pared de la ducha de la mano basado en las necesidades de la familia. Quite la tuerca de fijación (1) del soporte (2). Usando el soporte (2), marque los 2 agujeros en la localización deseada. Quite el soporte y el taladro 1/4" agujeros. Inserte las anclas (3).

Nota: Para la instalación de la baldosa cerámica, los agujeros de taladro en lechada (si es posible) y las anclas del parte móvil. Para la fibra de vidrio/las superficies de acrílico, utilice los pernos de palanca (no incluidos).

Asegure el soporte de pared (2) y la junta (4) con los tornillos (5) proporcionados. Deslice la cubierta del soporte (6) sobre el soporte. Instale el anillo del deslizamiento (7). Instale el montaje de la ducha de la mano (8) sobre el soporte (2). Asegure la tuerca de fijación (1).

INSTALLATION DES SUPPORTS MURAUX

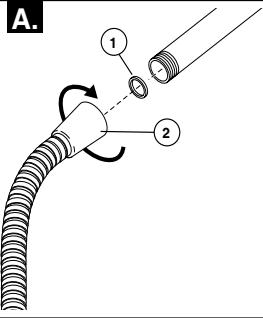
Modèles 55411, 55421, 55433 et 55445- Position choisie de mur pour le bâti de mur de douche de main basé sur les besoins du famille. Enlevez le contre-écrou (1) de la parenthèse (2). Utilisant la parenthèse (2), marquez les 2 trous dans l'endroit désiré. Enlevez la parenthèse et le foret 1/4" ; trous. Insérez les ancrés (3).

Note : Pour l'installation de carreau de céramique, les trous de foret en coulis (si possible) et les ancrés d'insertion.

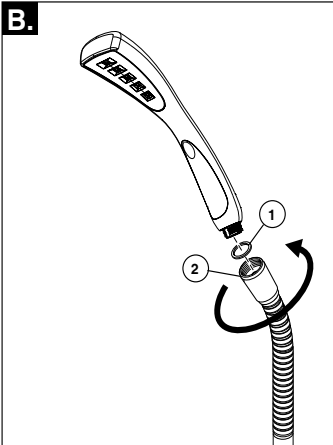
Pour la fibre de verre/surfaces acryliques, utilisez les boulons à bascule (non inclus).

Fixez la parenthèse de mur (2) et la garniture (4) avec les vis (5) fournies. Glissez la couverture de parenthèse (6) au-dessus de la parenthèse. Installez l'anneau de glissement (7). Installez le bâti de douche de main (8) sur la parenthèse (2). Fixez le contre-écrou (1).

2



B.



A. Ensure gasket (1) is inserted into the hose (2). Connect the hose to your designated water supply.

B. Connect tapered end of hose to hand shower: Seat the gasket (1) firmly into the hose nut (2). Carefully align the thread of the tapered end of the hose (2) directly to the hand shower. **Hand Tighten – do not use a wrench or pliers.** Then place the hand shower into the wall mount holder.

A. Asegúrese que el empaque o junta (1) esté introducido dentro de la manguera (2). Conecte la manguera al suministro de agua designado.

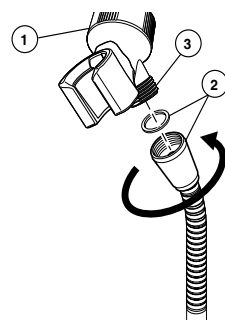
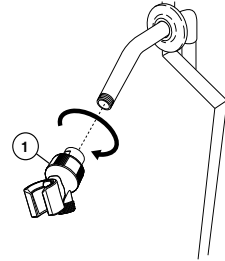
B. Conecte el extremo estrecho de la manguera a la regadera manual: Asiente la arandela (1) firmemente en la tuerca de la manguera (2). Cuidadosamente, alinee el enrosque del extremo estrecho de la manguera (2) directamente a la regadera manual. **Apriete a mano – no use llave de tuercas o alicates.** Luego coloque la regadera manual en el sujetador en la barra de la pared.

A. Assurez-vous que le joint (1) est inséré dans le tuyau souple (2). Raccordez le tuyau souple au tuyau d'alimentation en eau.

B. Raccordez l'embout conique du tuyau souple à la douche à main : Mettez solidement en place la rondelle (1) dans l'écrou (2) du tuyau souple. Alignez soigneusement le filetage de l'embout conique du tuyau souple (2) directement avec la douche à main. **Serrez à la main – n'utilisez pas de clé ni de pince.** Placez ensuite la douche à main dans le porte-douche.

Shower Mount Regadera en la pared Porte-douche

54411, 54421, 54433 & 54445
Series/Series/Seria



SHOWER MOUNT INSTALLATION

Models 54411, 54421, 54433 & 54445 - Remove present shower head. Screw the hand shower bracket (1) to the shower arm. Attach the shower hose and gasket (2) to the threaded connection (3) on the bottom of the bracket.

INSTALACIÓN DE LA REGADERA EN LA PARED

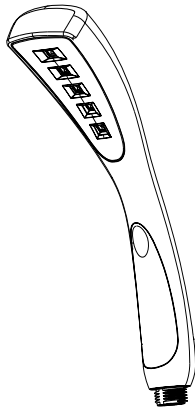
Modelos 54411, 54421, 54433 y 54445- Quite la cabeza de la regadera existente. Atornille el sujetador de la regadera manual (1) al brazo de la regadera. Conecte la manguera de la regadera y el empaque (2) a la conexión roscada (3) en la parte inferior del sujetador.

INSTALLATION DU PORTE-DOUCHE

Modèles 54411, 54421, 54433 et 54445-

Enlevez la pomme de douche existante. Vissez la fixation de la douche à main (1) au manchon fileté de la douche. Fixez le tuyau souple de la douche et le joint (2) au raccord fileté (3) au bas de la fixation.

51105, 54411 & 55411
Series/Series/Seria



Contemporary Hand Piece 1 Setting
Pieza de Mano Contemporary 1 Ajustes
Douche à main Contemporary 1 réglages

59411 ▲ -PK
Hand Held Shower
Regadera de Mano
Douche à main

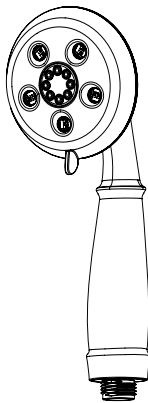
51205, 54421 & 55421
Series/Series/Seria



Ribbon Hand Piece 1 Setting
Pieza de Mano Ribbon 1 Ajustes
Douche à main Ribbon 1 réglages

59421 ▲ -PK
Hand Held Shower
Regadera de Mano
Douche à main

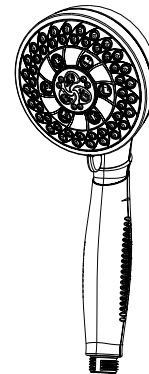
51308, 54433 & 55433
Series/Series/Seria



Round Traditional Hand Piece 3 Setting
Pieza de Mano Round Traditional 3 Ajustes
Douche à main Round Traditional 3 réglages

59433 ▲ -PK
Hand Held Shower
Regadera de Mano
Douche à main

51405, 54445 & 55445
Series/Series/Seria



Round Traditional Hand Piece 5 Setting
Pieza de Mano Round Traditional 5 Ajustes
Douche à main Round Traditional 5 réglages

59445 ▲ -PK
Hand Held Shower
Regadera de Mano
Douche à main

▲ Specify Finish
▲ Especificar el Acabado
▲ Précisez le Fini

CLEANING AND CARE

Care should be given to the cleaning of this product. Although its finish is extremely durable, it can be damaged by harsh abrasives or polish. To clean, simply wipe gently with a damp cloth and blot dry with a soft towel.

Limited Warranty on Delta® Faucets

Parts and Finish

All parts (other than electronic parts and batteries) and finishes of this Delta® faucet are warranted to the original consumer purchaser to be free from defects in material and workmanship for as long as the original consumer purchaser owns the home in which the faucet was first installed or, for commercial users, for 5 years from the date of purchase.

Electronic Parts and Batteries (if applicable)

Electronic parts (other than batteries), if any, of this Delta® faucet are warranted to the original consumer purchaser to be free from defects in material and workmanship for 5 years from the date of purchase or, for commercial users, for one year from the date of purchase. No warranty is provided on batteries.

Delta Faucet Company will replace, FREE OF CHARGE, during the applicable warranty period, any part or finish that proves defective in material and/or workmanship under normal installation, use and service. If repair or replacement is not practical, Delta Faucet Company may elect to refund the purchase price in exchange for the return of the product. **These are your exclusive remedies.**

Delta Faucet Company recommends using a professional plumber for all installation and repair. We also recommend that you use only genuine Delta® replacement parts.

Delta Faucet Company shall not be liable for any damage to the faucet resulting from misuse, abuse, neglect or improper or incorrectly performed installation, maintenance or repair, including failure to follow the applicable care and cleaning instructions.

Replacement parts may be obtained by calling the applicable number below or by writing to:

In the United States and Mexico:

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1-800-345-DELTA (3358)
customerservice@deltafaucet.com

In Canada:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1-800-345-DELTA (3358)
customerservice@mascocanada.com

Proof of purchase (original sales receipt) from the original purchaser must be made available to Delta Faucet Company for all warranty claims unless the purchaser has registered the product with Delta Faucet Company. This warranty applies only to Delta® faucets manufactured after January 1, 1995 and installed in the United States of America, Canada and Mexico.

DELTA FAUCET COMPANY SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LABOR CHARGES) FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THE FAUCET. Some states/provinces do not allow the exclusion or limitation of special, incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you special legal rights. You may also have other rights which vary from state/province to state/province.

This is Delta Faucet Company's exclusive written warranty and the warranty is not transferable.

If you have any questions or concerns regarding our warranty, please view our Warranty FAQs at www.deltafaucet.com, email us at customerservice@deltafaucet.com or call us at the applicable number above.

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LIMPIEZA Y CUIDADO DE SU LLAVE

Tenga cuidado al ir a limpiar este producto. Aunque su acabado es sumamente durable, puede ser afectado por agentes de limpieza o para pulir abrasivos. Para limpiar su llave, simplemente frótelea con un trapo húmedo y luego séquela con una toalla suave.

Garantía Limitada de las Llaves de Agua (grifos) Delta®

Piezas y acabado

Todas las piezas (excepto las piezas electrónicas y las pilas) y los acabados de esta llave de agua Delta® están garantizados al consumidor comprador original de estar libres de defectos en material y fabricación durante el tiempo que el comprador original posea la vivienda en la que la llave de agua fue originalmente instalada o, para los consumidores comerciales, durante 5 años a partir de la fecha de compra.

Componentes electrónicos y pilas (si aplicable)

Todas las piezas (salvo las pilas), si hay, de esta llave de agua Delta® están garantizadas al consumidor comprador original de estar libres de defectos en materiales y fabricación durante 5 años a partir de la fecha de compra o, para los usuarios comerciales, por un año a partir de la fecha de compra. No se garantizan las pilas.

Delta Faucet Company reemplazará, SIN CARGO, durante el período de garantía aplicable, cualquier pieza o acabado que pruebe tener defectos de material y/o fabricación bajo la instalación, uso y servicio normal. Si la reparación o su reemplazo no es práctico, Delta Faucet Company tiene la opción de reembolsarle su dinero por la cantidad del precio de compra a cambio de la devolución del producto. **Estos son sus únicos recursos.**

Delta Faucet Company recomienda que use los servicios de un plomero profesional para todas las instalaciones y reparaciones. También le recomendamos que utilice sólo las piezas de repuesto originales de Delta®.

Delta Faucet Company no será responsable por cualquier daño a la llave de agua que resulte del mal uso, abuso, negligencia o mala instalación o mantenimiento o reparación incorrecta, incluyendo el no seguir los cuidados aplicables y las instrucciones de limpieza.

Las piezas de repuesto se pueden obtener llamando al número correspondiente más abajo, o escribiendo a:

En los Estados Unidos y México:

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1 800 345 DELTA (3358)
customerservice@deltafaucet.com

En Canadá:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1 800 345 DELTA (3358)
customerservice@mascocanada.com

La prueba de compra (recibo original) del comprador original debe ser disponible a Delta Faucet Company para todos los reclamos a menos que el comprador haya registrado el producto con Delta Faucet Company. Esta garantía le aplica sólo a las llaves de agua de Delta® fabricadas después del 1 de enero 1995 e instaladas en los Estados Unidos de América, Canadá y México.

DELTA FAUCET COMPANY NO SE HACE RESPONSABLE POR CUALQUIER DAÑO ESPECIAL, INCIDENTAL O CONSECUENTE (INCLUYENDO LOS GASTOS DE MANO DE OBRA) POR EL INCUMPLIMIENTO DE CUALQUIER GARANTÍA EXPRESA O IMPLÍCITA DE LA LLAVE DE AGUA. Algunos estados/provincias no permiten la exclusión o limitación de daños especiales, incidentales o consecuentes, por lo que estas limitaciones y exclusiones pueden no aplicarle a usted. Esta garantía le otorga derechos legales. Usted también puede tener otros derechos que varían de estado/provincia a estado/provincia.

Esta es la garantía exclusiva por escrito de Delta Faucet Company y la garantía no es transferible.

Si usted tiene alguna pregunta o inquietud acerca de nuestra garantía, por favor, vea nuestra sección de preguntas frecuentes FAQ sobre la garantía en www.deltafaucet.com, también puede enviarnos un correo electrónico a customerservice@deltafaucet.com o llámenos al número que le corresponda anteriormente incluido.

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INSTRUCTIONS DE NETTOYAGE

Il faut le nettoyer avec soin. Même si son fini est extrêmement durable, il peut être abîmé par des produits fortement abrasifs ou des produits de polissage. Il faut simplement le frotter doucement avec un chiffon humide et le sécher à l'aide d'un chiffon doux.

Garantie limitée des robinets Delta®

Pièces et finis

Toutes les pièces (à l'exception des composants électroniques et des piles) et tous les finis de ce robinet Delta® sont protégés contre les défauts du matériau et les vices de fabrication par une garantie qui est consentie au premier acheteur et qui demeure valide tant que celui-ci demeure propriétaire de la maison dans laquelle le robinet a été installé. Dans le cas d'une utilisation commerciale, la garantie est de 5 ans à compter de la date d'achat.

Composants électroniques et piles (le cas échéant)

Si ce robinet Delta® comporte des composants électroniques, ces composants (à l'exception des piles) sont protégés contre les défauts du matériau et les vices de fabrication par une garantie consentie au premier acheteur qui est d'une durée de 5 ans à compter de la date d'achat. Dans le cas d'une utilisation commerciale, la garantie est d'un an à compter de la date d'achat. Aucune garantie ne couvre les piles.

Delta Faucet Company remplacera, GRATUITEMENT, pendant la période de garantie applicable, toute pièce ou tout fini qui présentera un défaut du matériau et/ou un vice de fabrication pour autant que le robinet ait été installé, utilisé et entretenu normalement. S'il est impossible de réparer ou de remplacer le robinet, Delta Faucet Company pourra décider de rembourser le prix d'achat du produit pour autant que celui-ci lui soit retourné. **Il s'agit de vos seuls recours.**

Delta Faucet Company recommande de confier l'installation et la réparation à un plombier professionnel. Nous vous recommandons également d'utiliser uniquement des pièces de rechange authentiques Delta®.

Delta Faucet Company se dégage de toute responsabilité à l'égard des dommages causés au robinet en raison d'un mauvais usage, d'un usage abusif, de la négligence ou de l'utilisation d'une méthode d'installation, de maintenance ou de réparation incorrecte ou inadéquate, y compris les dommages résultant du non-respect des instructions de nettoyage et d'entretien applicables.

Pour obtenir des pièces de rechange, veuillez appeler au numéro applicable ci-dessous ou écrire à l'adresse applicable ci-dessous.

Aux États-Unis et au Mexique :

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1-800-345-DELTA (3358)
customerservice@deltafaucet.com

Au Canada:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1-800-345-DELTA (3358)
customerservice@mascocanada.com

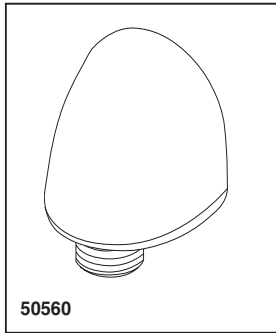
La preuve d'achat (reçu original) du premier acheteur doit être présentée à Delta Faucet Company pour toutes les demandes en vertu de la garantie, sauf si le produit a été enregistré auprès de Delta Faucet Company. La présente garantie s'applique uniquement aux robinets Delta® fabriqués après le 1er janvier 1995 et installés aux États-Unis d'Amérique, au Canada et au Mexique.

DELTA FAUCET COMPANY SE DÉGAGE DE TOUTE RESPONSABILITÉ À L'ÉGARD DES DOMMAGES PARTICULIERS, CONSÉCUTIFS OU INDIRECTS (Y COMPRIS LES FRAIS DE MAIN-D'ŒUVRE) QUI POURRAIENT RÉSULTER DE LA VIOLATION D'UNE GARANTIE IMPLICITE OU EXPLICITE QUELCONQUE SUR LE ROBINET. Dans les États ou les provinces où il est interdit de limiter ou d'exclure la responsabilité à l'égard des dommages particuliers, consécutifs ou indirects, les limites et les exclusions susmentionnées ne s'appliquent pas. La présente garantie vous donne des droits précis qui peuvent varier selon l'État ou la province où vous résidez.

La présente garantie écrite est la garantie exclusive offerte par Delta Faucet Company et elle n'est pas transférable.

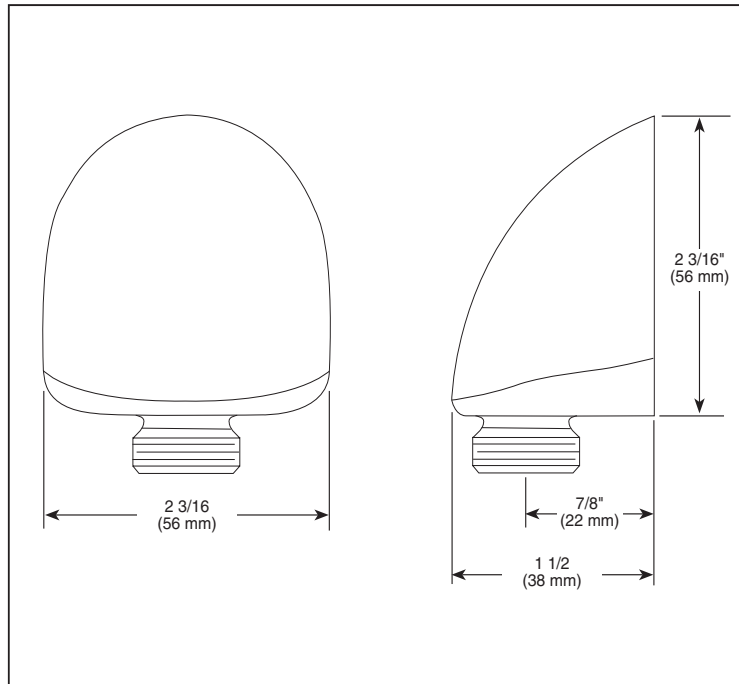
Si vous avez des questions ou des préoccupations en ce qui concerne notre garantie, veuillez consulter la page Warranty FAQs à www.deltafaucet.com, faire parvenir un courriel à customerservice@deltafaucet.com ou nous appeler au numéro applicable.

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Submitted Model No.: _____

Specific Features: _____



ELBOW

STANDARD SPECIFICATIONS

- Solid brass construction.
- 1/2" female NPT inlet.
- 1/2" male NPSM outlet for connecting to shower hoses.

WARRANTY

- Lifetime Faucet and Finish Limited Warranty to the original consumer purchaser to be free from defects in material and workmanship.
- 5 Year Limited Warranty for usage in all industrial, commercial and business applications.

COMPLIES WITH:

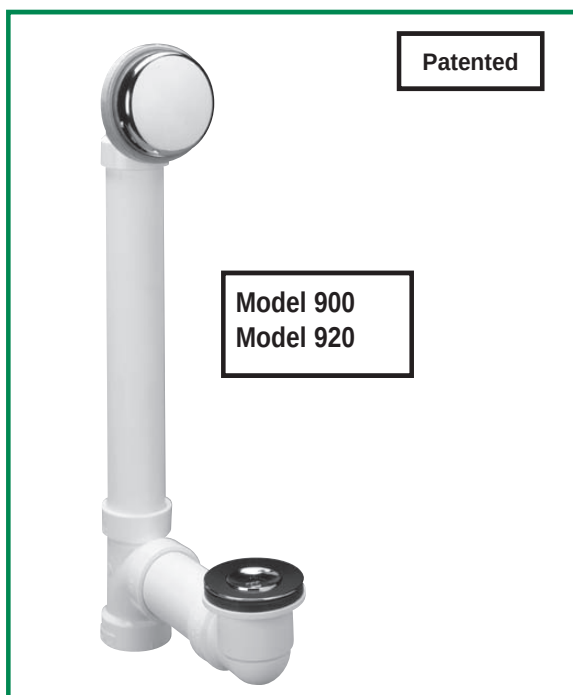
- ASME A112.18.1 / CSA B125.1

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

DSP-B-50560 Rev. A



55 E. 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
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Not Shown: Half Kits (No Tee or Pipe)

Model 901: Stoppers, Knobs, Strainer Bodies determined by type of tub closure, i.e., Lift and Turn, etc.

Model 921-PP: ABS Stopper, Plastic Knob, Brass Strainer Body, Chrome PP only

Model 951-PP: ABS Stopper, Plastic Knob, Zinc Strainer Body, Chrome PP only



Includes built-in test membrane



Easily remove membrane after test



Snap-on overflow plate. No screws

See price list for complete item numbers and available options.

When ordering, please specify complete item number and any applicable option codes.



For More Information Contact:
WATCO Manufacturing Company
1220 South Powell Road
Independence, MO 64057-2724
Ph. 816-796-3900 • FAX 816-796-0875
www.watcomfg.com

© 2009 WATCO Mfg. Co.

Designs and dimensions of product are subject to change without notice.

Form: 900 Rev. 9/09

Schedule 40

Innovator® 900/901

Stoppers, Knobs, and Bodies determined by tub closure selected

Innovator® 920/921

ABS Plastic Stopper, Plastic Knob, Brass Body, Chrome PP only

Innovator® 951 Half Kit

ABS Plastic Stopper, Plastic Knob, Zinc Body, Chrome PP only

Sturdy 1.5" Schedule 40 PVC or ABS Solvent Weld Assembly

SPECIFICATIONS

FEATURES:

- Eliminates all screws
- Eliminates need for separate overflow test plug
- Eliminates leaks due to loose overflow attachment
- Eliminates dual inventory of one- and two-hole overflow plates

APPROVALS (900/901 models):

- Manufactured in compliance with ASME A112.18.2-2005/ CSA B125.2-2005.

PATENTS (Innovator®):

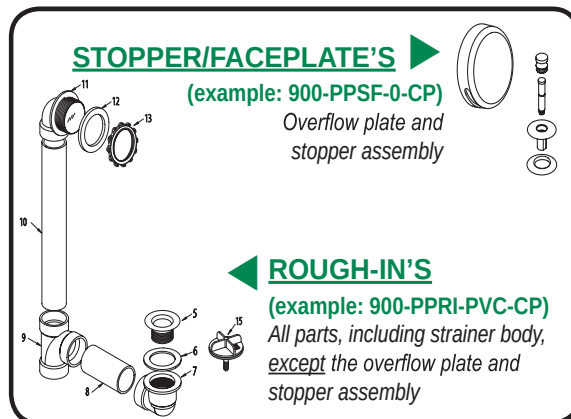
- U.S. Pat. Numbers 5,890,241; 6,637,050; 6,675,406; 7,127,752; and Patents Pending
- Canadian Patent Number 2,437,448
- Mexican Patent Numbers PA/a/2003007344; PA/a/2005002784

THREADS (Strainer Body and Drain Elbow):

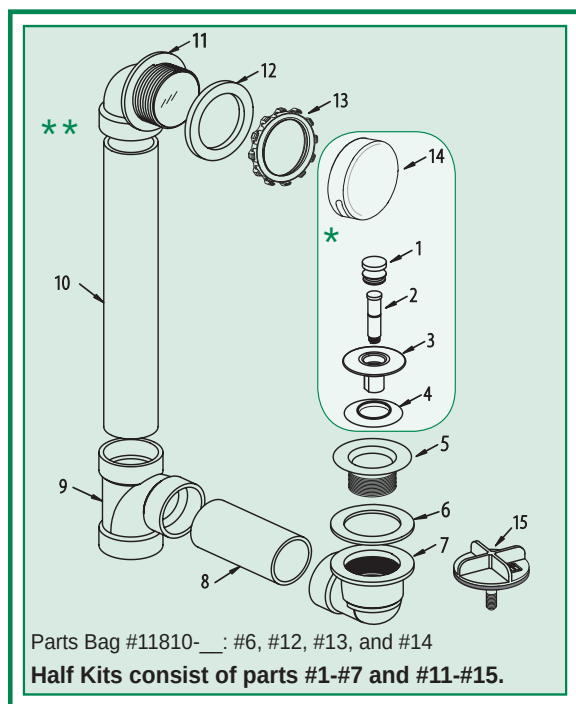
- 1½" – 11½ NPSM (Coarse Thread)
- 1.865" Major Diameter (outside thread diameter)
- 11.5 threads per inch

PIPING: ☐ PVC ☐ ABS

ROUGH-IN (RI's) and STOPPER/FACEPLATE (SF's)



900/901 Series Parts List

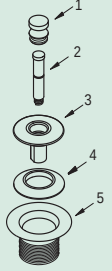
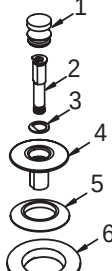
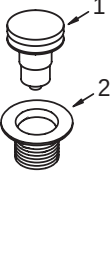


Item	Part #	Description
1.	01010CP	PUSH PULL® Knob, Brass
2.	11510	Friction Ring (11505) and Post (11532)
3.	01013CP	Stopper, Brass
4.	11507	Seal, 1 1/16" dia.
5.	01016CP	Strainer Body, 1.865" - 11.5 - 1.25"
6.	10696	Drain Ell Washer, 1.5" gray
7.	11008	Drain Ell, Schedule 40, ABS
	14008	Drain Ell, Schedule 40, PVC
8.	SCHABS-4.625	Pipe, Schedule 40, ABS, 1.5" x 4.625"
	SCHPVC-4.625	Pipe, Schedule 40, PVC, 1.5" x 4.625"
9.	14011	Sanitary Tee, Schedule 40, ABS
	14010	Sanitary Tee, Schedule 40, PVC
10.	SCHABS-11.75	Pipe, Schedule 40 ABS, 1.5" x 11.75"
	SCHPVC-11.75	Pipe, Schedule 40 PVC, 1.5" x 11.75"
11.	11020	Innovator® Overflow Ell, Schedule 40, ABS
	14020	Innovator® Overflow Ell, Schedule 40, PVC
12.	10675	Overflow Ell Washer, Foam
13.	11121	Retainer Nut for Innovator®
14.	01004CP	Overflow Plate for Innovator®
15.	11575	Test Plug with O-Ring-type Gasket

★ SF: (example: 900-PPSE) Parts #1 thru #4, and #14

★★ RI: (example: 900-PPRI) Parts #5 thru #13, and #15

OPTIONAL TUB CLOSURES FOR 900/901-SERIES BATH WASTES (PUSH PULL® ALSO SHOWN ABOVE)

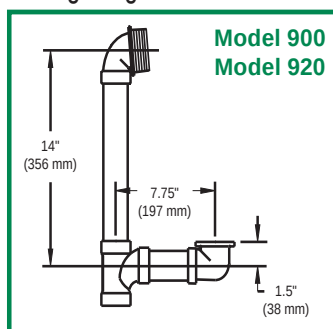
900/01 PUSH PULL® Coarse Thread	LIFT & TURN Coarse Thread	PRESFLO® Coarse Thread	FOOT ACTUATED Coarse Thread
 1. 01010CP 2. 01010__ * 3. 01013CP 4. 01013__ * 5. 01016CP 6. 01016__ *	 1. 01010CP 2. 01010__ * 3. 11079 4. 11290CP 5. 01013__ * 6. 11492CP 7. 01016__ *	 1. 11145CP 2. 11145__ * 3. 11132 4. 11060CP 5. 11060__ * 4. 96039: Suction Cup for removing stopper	 1. 38412CP 2. 38412__ * 11492CP 01016__ *
U.S. Pat. No. 4,720,877	U.S. Pat. No. 5,758,368	U.S. Pat. No. 4,457,030	

*If finish other than Chrome is desired, please use this part number and indicate desired finish.

Finishes Available in the 900/901 Series:

	Tub Closures:	PUSH PULL®	LIFT & TURN	PRESFLO®	FOOT ACT.
921 PUSH PULL®	CP - Chrome Plated	•	•	•	•
	AB - Antique Brass				
	AP - Aged Pewter	•	•	•	
	BB - Brushed Bronze	•	•	•	
	BN - Brushed Nickel	•	•	•	•
	BO - Bone	•	•		
	BS - Biscuit	•	•		
951 PUSH PULL®	BZ - Oil-Rubbed Bronze	•	•	•	•
	CB - Chrome Brushed	•	•	•	
	NP - Nickel Polished	•	•	•	•
	PB - Polished Brass	•	•	•	•
	PN - Pearl Nickel	•	•	•	
	WH - White	•	•		
	WI - Wrought Iron	•	•	•	

Roughing-In Dimensions



TB-2 BATH TUB

VENDOR PART	VENDOR	DESCRIPTION	PAGE
71041110-0	STERLING PLUMBI	PERFORMA, SERIES 7104, 60" X 29" BATH...	53
T14459-SSLHD	DELTA	MONITOR 14 SERIES TUB AND SHOWER TRI...	55
R10000-MFWS	DELTA	MULTICHOICE UNIVERSAL TUB AND SHOWER...	56
52637-SS15-PK	DELTA	H2OKINETIC 5-SETTING SHOWER HEAD	57
901-LT-PVC-BN	WATCO	1.5-INCH SCHEDULE 40 PVC PIPING INNOV...	58



Features

- Durable high gloss finish.
- 15" (381 mm) bath depth (floor to top of threshold).
- 60" (1524 mm) x 29" (737 mm) x 15" (381 mm) complete unit finished dimensions.

Material

- Compression molded from our exclusive solid Vikrell® material.

Performa™

60" Bath

71041110



Codes/Standards

CSA B45.5/IAPMO Z124

ASTM E162

ASTM E662

Greenguard UL 2818 - Gold

HUD, UM Bulletin 73

STERLING® Warranty - Fixtures Made of Solid Vikrell Material

See website for detailed warranty information.

Available Color/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit

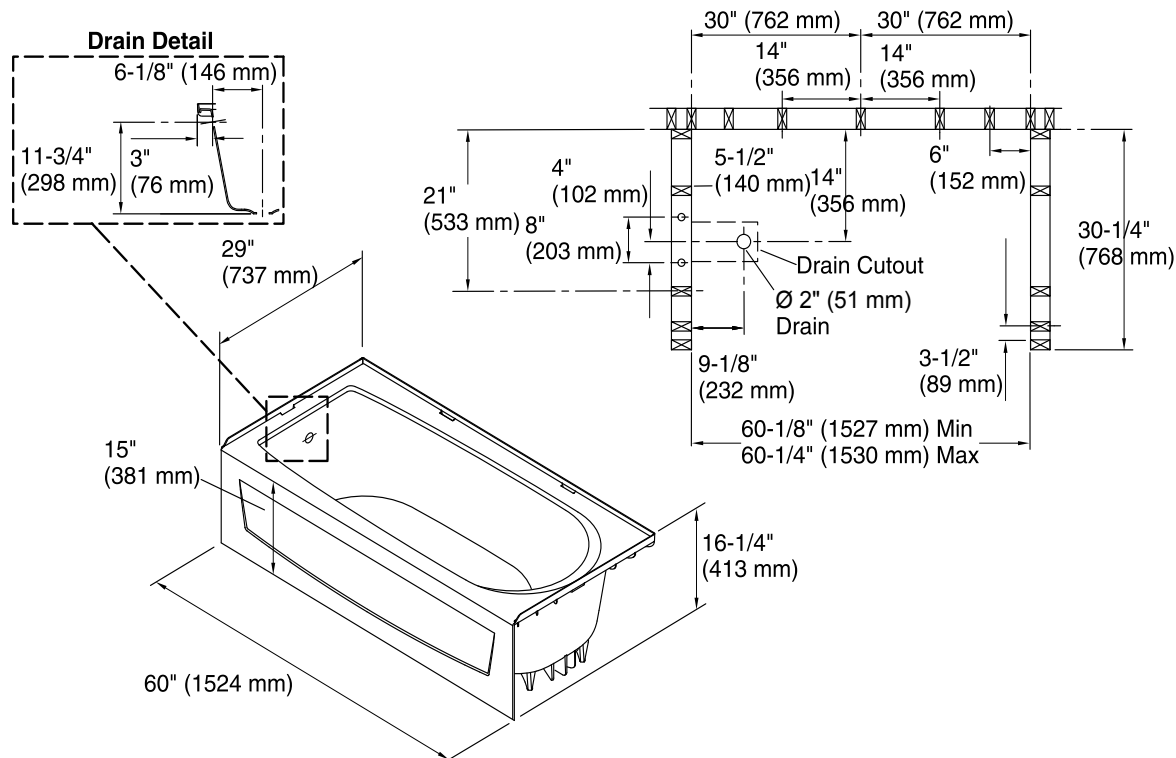
USA/Canada: 1-800-STERLING (1-800-783-7546)

www.sterlingplumbing.com

5-9-2015 04:22



Performa™
60" Bath
71041110



Technical Information

All product dimensions are nominal.

Installation:	Alcove with Flange
Drain location:	Left
Basin area, bottom:	21" x 39" (533 mm x 991 mm)
Basin area, top:	24" x 53" (610 mm x 1346 mm)
Water depth:	10-1/4" (260 mm)
Water capacity:	35 gal (132.5 L)
Door width required:	60" (1524 mm)

Notes

Measure your actual product for roughing-in details.

Install this product according to the installation guide.

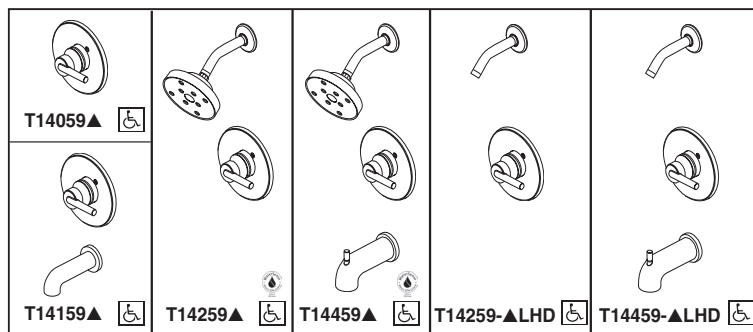
Studs should be positioned roughly as shown.

Double studding is recommended for pivot shower door installations.

USA/Canada: 1-800-STERLING (1-800-783-7546)

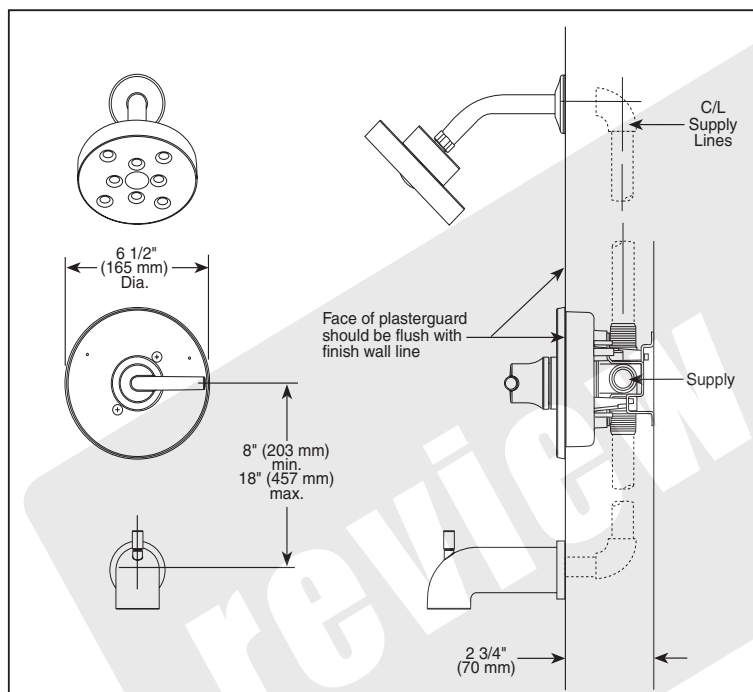
www.sterlingplumbing.com

5-9-2015 04:22

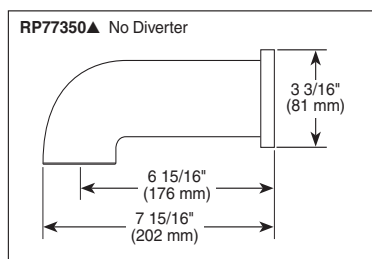
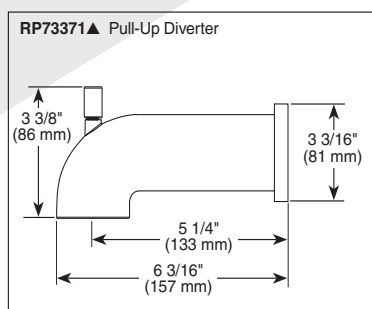
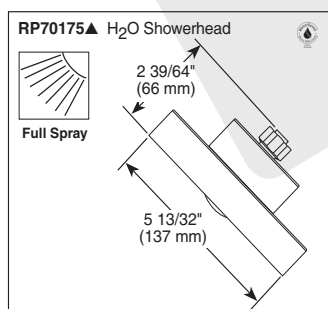


Submitted Model No.: _____

Specific Features: _____



▲ Designate Proper Finish Suffix



Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-B-T14059 Rev. F



TUB AND SHOWER FAUCET TRIM

- Trinsic® Bath Collection
- Valve Only (T14059)
- Tub Only (T14159)
- Shower Only (T14259)
- Tub/Shower (T14459)

STANDARD SPECIFICATIONS:

- Pressure balanced single handle bath mixing valve trim
- Temperature only controlled with handle
- Field adjustable means to limit handle rotation into hot water zone
- 120° maximum handle rotation
- All parts replaceable from the front of the valve
- For use with MultiChoice® Universal rough valve body (R10000 Series)
- Lever handle
- Single function H₂Okinetic Technology® showerhead; 2.0 gpm @ 80 PSI
- Maintains a balanced pressure of hot and cold water even when a valve is turned on or off elsewhere in the system
- Red/blue pad print temperature indicators on escutcheon
- "LHD" models indicate less showerhead
- 1/2" CWT slip-on and spout adapter

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.

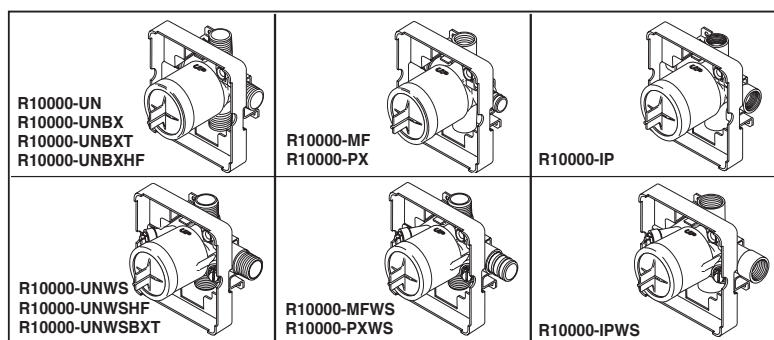


COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- ASSE 1016
- Indicates compliance to ICC/ANSI A117.1 (valve control only)
- EPA WaterSense®

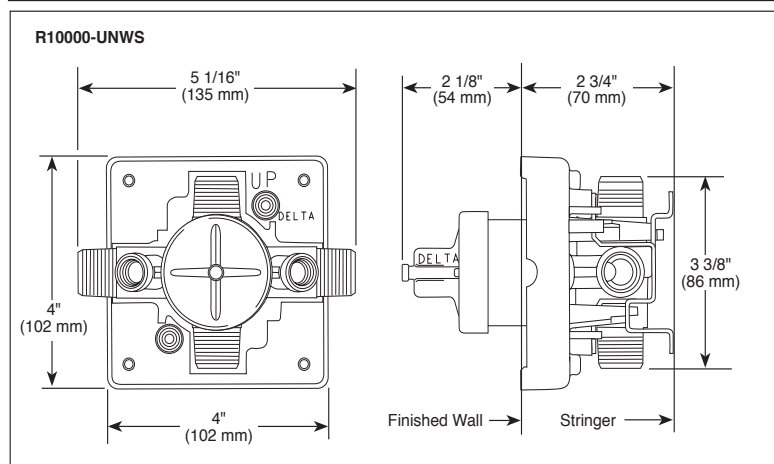
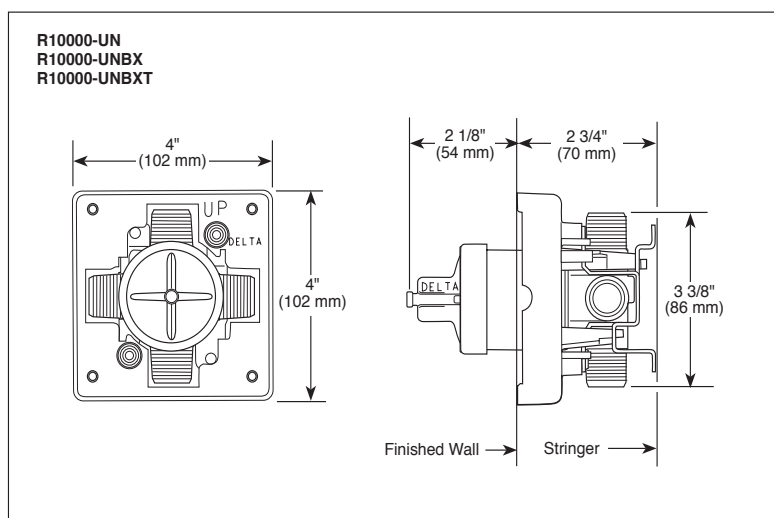


55 E 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
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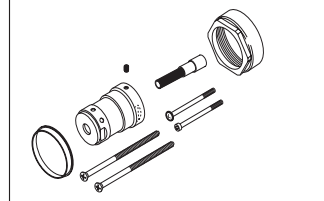


Submitted Model No.:

Specific Features:



RP75136 Available Extension Kit



Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability2

DSP-B-R10000 Rev. H

DELTA

MULTICHOICE® UNIVERSAL ROUGH VALVE BODY

- R10000-UN (Universal Inlets/Outlets)
- R10000-UNBX (Universal Single Box Model)
- R10000-UNBXHF (High Flow Shower Only)
- R10000-UNBXT (Thin Wall)
- R10000-UNWS (Universal with Stops)
- R10000-UNWSHF (High Flow with Stops)
- R10000-UNWSBXT (Thin Wall with Stops)
- R10000-PX (Pex Crimp Connections with UN Outlets)
- R10000-PXWS (Pex Crimp Connections with Stop with UN Outlets)
- R10000-IP (IPS Inlets/Outlets)
- R10000-IPWS (IPS with Stops)
- R10000-MF (Pex Cold Expansion Connections with UN Outlets)
- R10000-MFWS (Pex Cold Expansion with Stops with UN Outlets)

STANDARD SPECIFICATIONS:

- Forged brass body.
- Back-to-Back installation capabilities.
- Can be tested with air (200 PSI) or water (300 PSI) without valve using supplied test cap.
- Square plasterguard allows for right angle cuts.
- Thin wall mounting.
- For use with MultiChoice® Universal single or dual function trim. Cartridge ships with trim.
- 1/2" outlets and connections.

Note: No tub outlet in HF model.

Note: Should use proper fitting with each type (copper tubing, iron pipe, and pex fitting).

Note: Should use proper tooling with crimping pex fitting and cold expansion pex models.

Note: IP indicates female 1/2" threaded connections.

Note: UN indicates Universal type fitting and is 1/2" NPT male thread with 1/2" C.W.T. female sweat.

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.

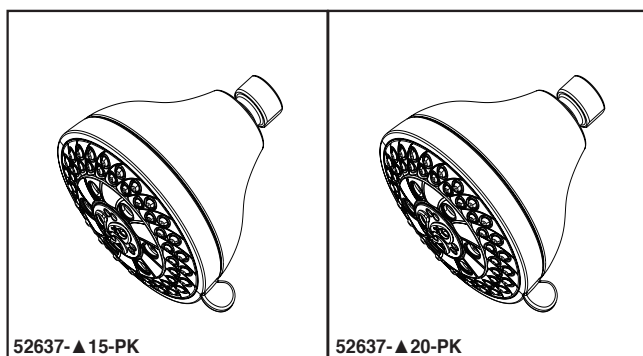


COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1

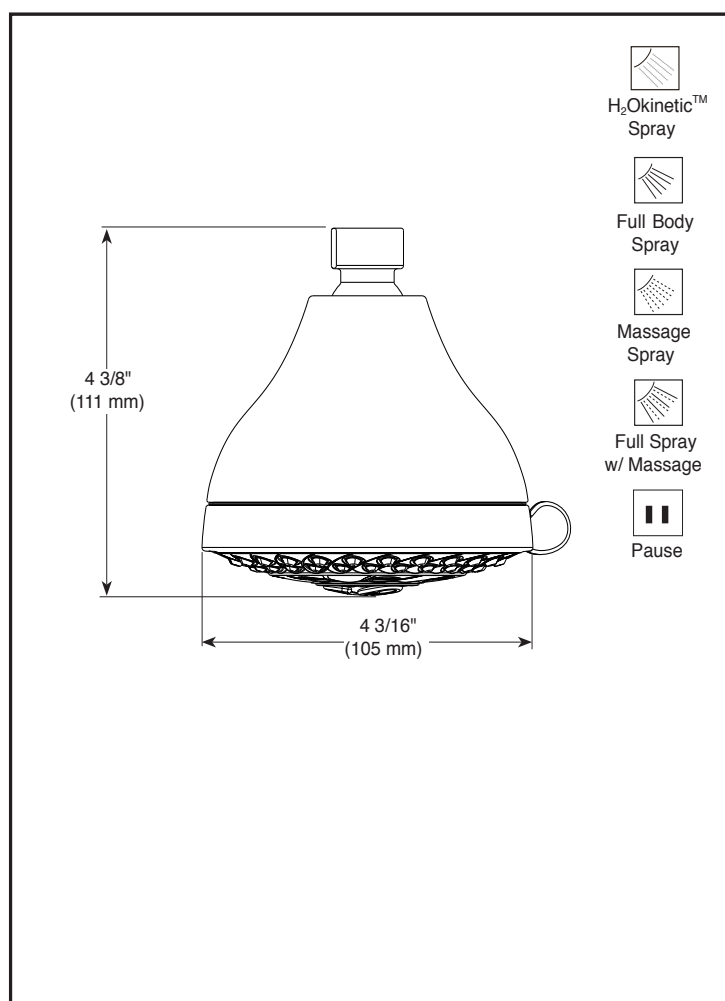
DELTA
FAUCET COMPANY

55 E. 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
© 2013 Masco Corporation of Indiana



Submitted Model No.: _____

Specific Features: _____



▲ Designate proper finish suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-B-52637-15-PK Rev. C



SHOWERHEAD

- H₂Okinetic Technology® Showerhead
- 5-Spray Setting Showerhead
- Touch-Clean® Nozzles

STANDARD SPECIFICATIONS:

- ABS showerhead with five settings – not a positive shut-off.
- Standard 1/2" pipe fitting.
- Easy-turn spray dial.
- Metal ball connector for durability. Easy installation.
- Maximum flow rate 2.0 gpm (7.6L/min) @ 80 PSI. (52637-▲20-PK only)
- Maximum flow rate 1.5 gpm (5.7L/min) @ 80 PSI. (52637-▲15-PK only)

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes; or, for commercial users, for 5 years from the date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.

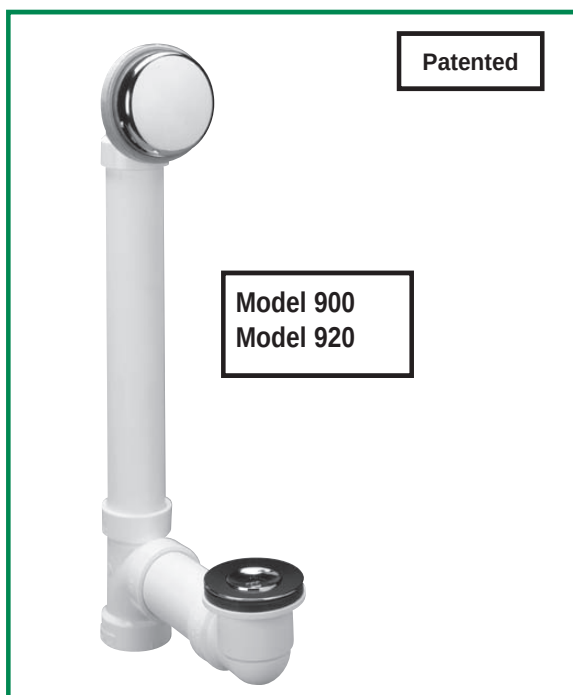


COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- EPA WaterSense®



55 E. 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, Ontario Canada N5P 4L1
© 2015 Masco Corporation of Indiana



Not Shown: Half Kits (No Tee or Pipe)

Model 901: Stoppers, Knobs, Strainer Bodies determined by type of tub closure, i.e., Lift and Turn, etc.

Model 921-PP: ABS Stopper, Plastic Knob, Brass Strainer Body, Chrome PP only

Model 951-PP: ABS Stopper, Plastic Knob, Zinc Strainer Body, Chrome PP only



ADA

PRESFLO® (PF)
Foot Actuated (FA) only



Includes built-in
test membrane



Easily remove
membrane after test



Snap-on
overflow plate.
No screws

See price list for complete item numbers and available options.

When ordering, please specify complete item number and any applicable option codes.



For More Information Contact:
WATCO Manufacturing Company
1220 South Powell Road
Independence, MO 64057-2724
Ph. 816-796-3900 • FAX 816-796-0875
www.watcomfg.com

© 2009 WATCO Mfg. Co.

Designs and dimensions of product are subject to change without notice.

Form: 900 Rev. 9/09

Schedule 40

Innovator® 900/901

Stoppers, Knobs, and Bodies determined by tub closure selected

Innovator® 920/921

ABS Plastic Stopper, Plastic Knob, Brass Body, Chrome PP only

Innovator® 951 Half Kit

ABS Plastic Stopper, Plastic Knob, Zinc Body, Chrome PP only

Sturdy 1.5" Schedule 40 PVC or ABS Solvent Weld Assembly

SPECIFICATIONS

FEATURES:

- Eliminates all screws
- Eliminates need for separate overflow test plug
- Eliminates leaks due to loose overflow attachment
- Eliminates dual inventory of one- and two-hole overflow plates

APPROVALS (900/901 models):

- Manufactured in compliance with ASME A112.18.2-2005/ CSA B125.2-2005.

PATENTS (Innovator®):

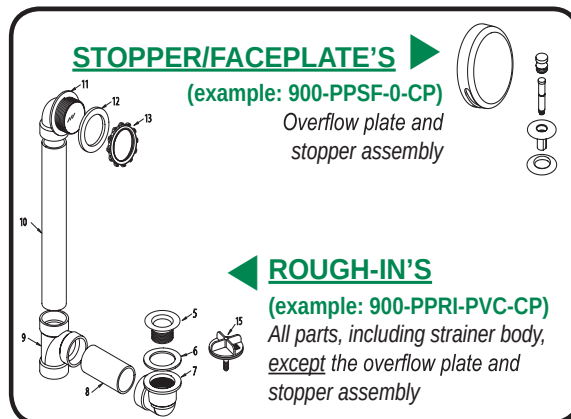
- U.S. Pat. Numbers 5,890,241; 6,637,050; 6,675,406; 7,127,752; and Patents Pending
- Canadian Patent Number 2,437,448
- Mexican Patent Numbers PA/a/2003007344; PA/a/2005002784

THREADS (Strainer Body and Drain Elbow):

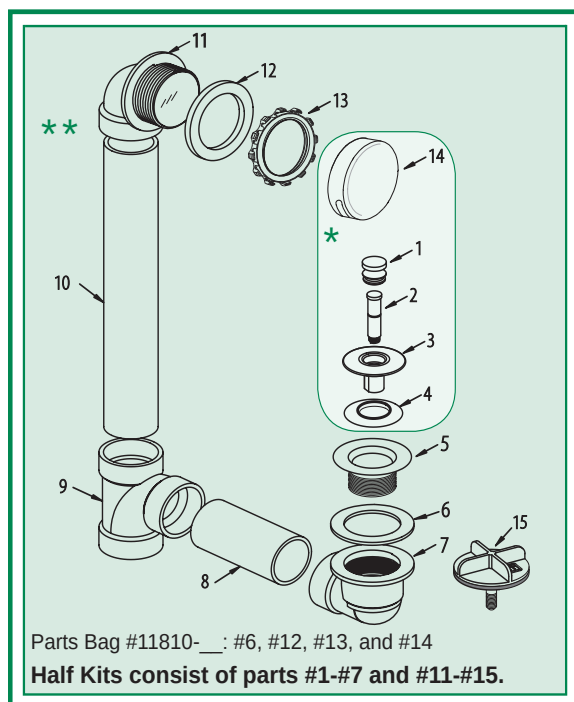
- 1½" – 11½ NPSM (Coarse Thread)
- 1.865" Major Diameter (outside thread diameter)
- 11.5 threads per inch

PIPING: ☐ PVC ☐ ABS

ROUGH-IN (RI's) and STOPPER/FACEPLATE (SF's)



900/901 Series Parts List

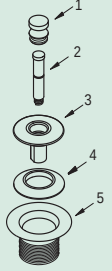
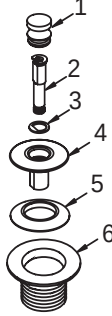
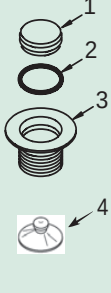
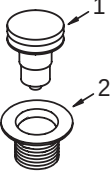


Item	Part #	Description
1.	01010CP	PUSH PULL® Knob, Brass
2.	11510	Friction Ring (11505) and Post (11532)
3.	01013CP	Stopper, Brass
4.	11507	Seal, 1 1/16" dia.
5.	01016CP	Strainer Body, 1.865" - 11.5 - 1.25"
6.	10696	Drain Ell Washer, 1.5" gray
7.	11008	Drain Ell, Schedule 40, ABS
	14008	Drain Ell, Schedule 40, PVC
8.	SCHABS-4.625	Pipe, Schedule 40, ABS, 1.5" x 4.625"
	SCHPVC-4.625	Pipe, Schedule 40, PVC, 1.5" x 4.625"
9.	14011	Sanitary Tee, Schedule 40, ABS
	14010	Sanitary Tee, Schedule 40, PVC
10.	SCHABS-11.75	Pipe, Schedule 40 ABS, 1.5" x 11.75"
	SCHPVC-11.75	Pipe, Schedule 40 PVC, 1.5" x 11.75"
11.	11020	Innovator® Overflow Ell, Schedule 40, ABS
	14020	Innovator® Overflow Ell, Schedule 40, PVC
12.	10675	Overflow Ell Washer, Foam
13.	11121	Retainer Nut for Innovator®
14.	01004CP	Overflow Plate for Innovator®
15.	11575	Test Plug with O-Ring-type Gasket

★ SF: (example: 900-PPSE) Parts #1 thru #4, and #14

★★ RI: (example: 900-PPRI) Parts #5 thru #13, and #15

OPTIONAL TUB CLOSURES FOR 900/901-SERIES BATH WASTES (PUSH PULL® ALSO SHOWN ABOVE)

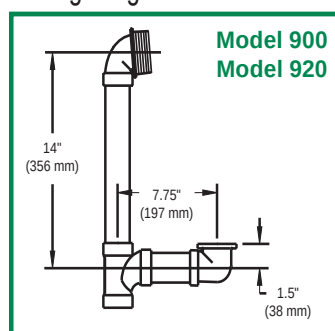
900/01 PUSH PULL® Coarse Thread	LIFT & TURN Coarse Thread	PRESFLO® Coarse Thread	FOOT ACTUATED Coarse Thread
 1. 01010CP 2. 11510 3. 01013CP 4. 11507 5. 01016CP	 1. 01010CP 2. 11079 3. 11088 4. 11290CP 5. 11507 6. 11492CP	 1. 11145CP 2. 11132 3. 11060CP 4. 96039: Suction Cup for removing stopper	 1. 38412CP 2. 11492CP
U.S. Pat. No. 4,720,877	U.S. Pat. No. 5,758,368	U.S. Pat. No. 4,457,030	

**If finish other than Chrome is desired, please use this part number and indicate desired finish.*

Finishes Available in the 900/901 Series:

	Tub Closures:	PUSH PULL®	LIFT & TURN	PRESFLO®	FOOT ACT.
921 PUSH PULL®	CP - Chrome Plated	●	●	●	●
	AB - Antique Brass				
	AP - Aged Pewter	●	●	●	
	BB - Brushed Bronze	●	●	●	
	BN - Brushed Nickel	●	●	●	●
	BO - Bone	●	●		
951 PUSH PULL®	BS - Biscuit	●	●		
	BZ - Oil-Rubbed Bronze	●	●	●	●
	CB - Chrome Brushed	●	●	●	
	NP - Nickel Polished	●	●	●	●
	PB - Polished Brass	●	●	●	●
	PN - Pearl Nickel	●	●	●	
	WH - White	●	●		
	WI - Wrought Iron	●	●	●	

Roughing-In Dimensions



LV-1 ADA GUEST ROOM LAVATORY

VENDOR PART	VENDOR	DESCRIPTION	PAGE
UB903W	APOGEE	SQUARE WHITE UNDERMOUNT LAVATORY BOWL	61
D538SS-MPU-DST	DELTA	DELTA LAHARA STAINLESS STEEL SINGLE H...	62
701-1	DEARBORN BRASS	P-TRAP 1.25- 17 GAUGE	63
Z8804-XL-LR	ZURN	STANDARD STOP WITH FLEXIBLE LAVATORY ...	64
TRU102	TRUBRO	P-TRAP COVER AND TWO ANGLE VALVE SUPP...	65



4580 W Roosevelt Rd. Hillside, IL 60162

Phone: 312-733-1098 Fax: 708-234-1351

SPECIFICATIONS

MODEL UB903W

GENERAL

Fine quality bathroom square sink formed of vitreous china

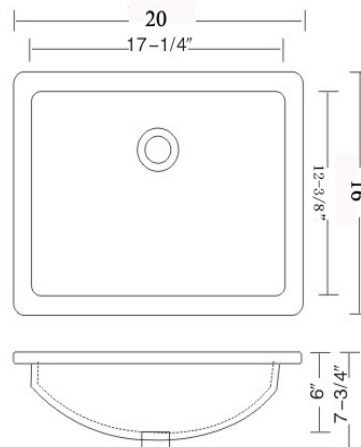
DESIGN FEATURES

Single bowl depth 6" with inside bowl dimensions 17-1/4" X 12-3/8" and over all 20" X 16"

Color: White

Mount Style: Undermount

Other: Drain opening 1-3/4".



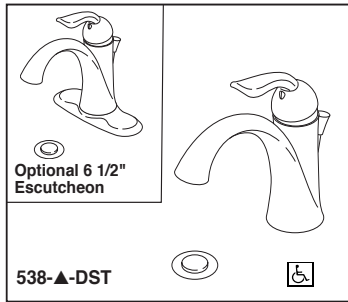
CUPC certified

Minimum cabinet size 24"

Product shall be specified as UB903W

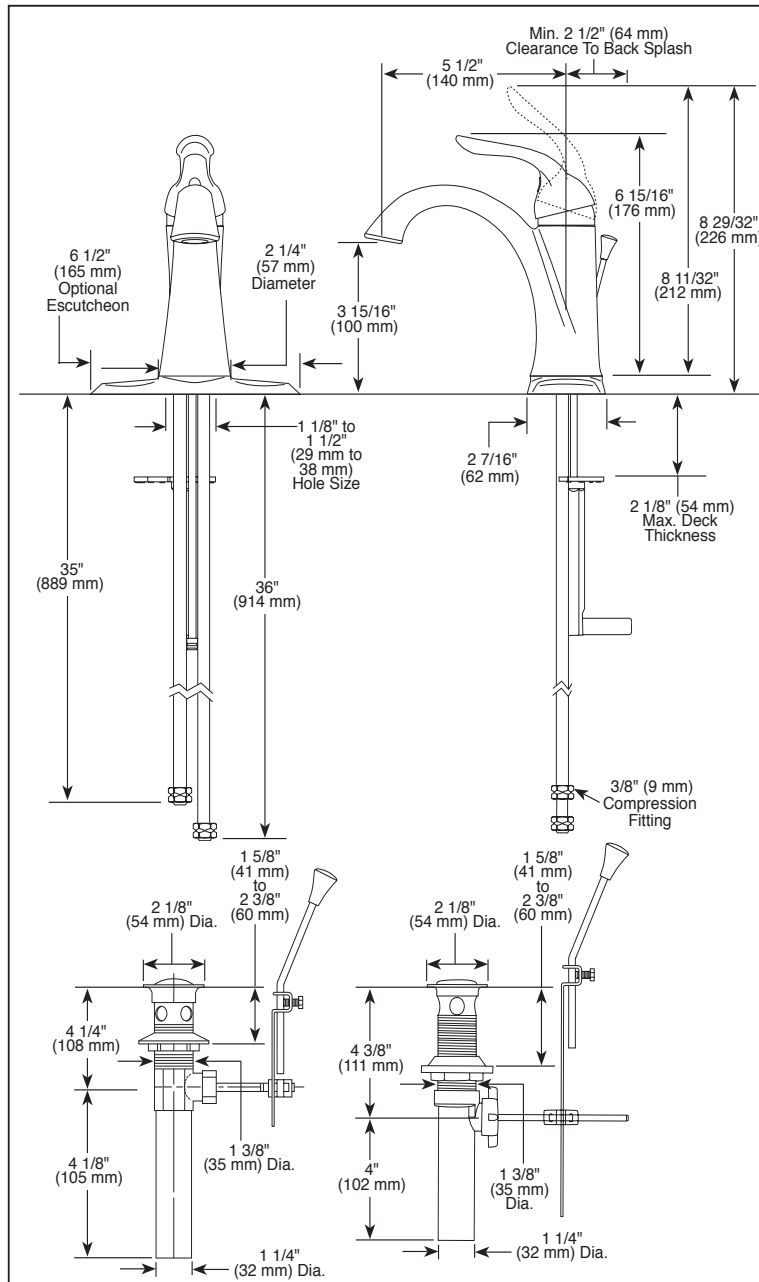
Warranty:

Limited life time warranty against manufacturer defects.



Submitted Model No.: _____

Specific Features: _____



▲ Designate Proper Finish Suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-L-538-DST Rev. D



LAVATORY FAUCETS

- Lahara® Collection
- Single Handle Deck Mount

FEATURES:

- DIAMOND Seal® Technology

STANDARD SPECIFICATIONS:

- Maximum 1.20 gpm @ 60 psi, 4.54 L/min @ 414 kPa
- One or three hole mount (escutcheon optional, included)
- Diamond coated ceramic cartridge
- 3/8" O.D. straight, staggered PEX supply lines
- Models have metal drain with pop-up type fitting with plated flange and stopper
- 50/50 models have metal flange and plastic tail piece
- Red/blue indicator markings

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes; or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.



COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- ASME A112.18.2 / CSA B125.2
- ICC/ANSI A117
- EPA WaterSense®
- Verified compliant with .25% weighted average Pb content regulations.



55 E. 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
© 2016 Masco Corporation of Indiana



**Dearborn®
Brass**

4675 W. 160th St.
Cleveland, Ohio 44135
Ph: (800) 321-9532
Fax: (800) 321-9535
www.dearbornbrass.com

SUBMITTAL SPECIFICATION

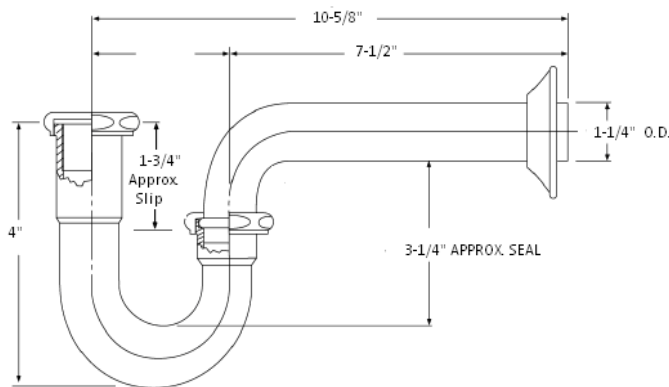
**BRASS TUBULAR
1-1/4" P-TRAP WITHOUT CLEANOUT**

Engineering Specification: Dearborn Brass 1-1/4" Brass Tubular P-Trap without Cleanout are designed for use in tubular drain applications. Available in 17, 20 or Budget Gauge Brass. Options include Brass Nuts, Deep Flange, Longer Wall Tube and Ground Joint.

Job Reference

DESCRIPTION

- Chrome Finished
- 1-1/4" P-Trap Without Cleanout
 - (1) Metal Flange
 - (1) Quarter Bend
 - (1) J-Bend
 - (2) Rubber Washers
 - (2) Nuts



✓	Product No.	Description	Carton Quantity	Carton Weight (lbs)
	2700-1	1-1/4" P-Trap – Budget Ga.	25	18
	2700A-1	1-1/4" P-Trap – Budget Ga. w/ 9.50" Wall Tube	25	21
	2700DF-1	1-1/4" P-Trap – Budget Ga. w/ Deep Flange	25	19
	700-1	1-1/4" P-Trap – 20 Ga.	25	24
	700A-1	1-1/4" P-Trap – 20 Ga. w/ 10" Wall Tube	25	31
	700BN-1	1-1/4" P-Trap – 20 Ga. w/ Brass Nuts	25	25
	700DF-1	1-1/4" P-Trap – 20 Ga. w/ Deep Flange	25	24
	700DFBN-1	1-1/4" P-Trap – 20 Ga. w/ Deep Flange and Brass Nuts	25	25
	701-1	1-1/4" P-Trap – 17 Ga.	25	29
	701BN-1	1-1/4" P-Trap – 17 Ga. w/ Brass Nuts	25	31
	701DF-1	1-1/4" P-Trap – 17 Ga. w/ Deep Flange	25	29
	701DFBN-1	1-1/4" P-Trap – 17 Ga. w/ Deep Flange and Brass Nuts	25	31
	701A-1	1-1/4" P-Trap – 17 Ga. w/ 10" Wall Tube	25	38
	701ADF-1	1-1/4" P-Trap – 17 Ga. w/ Deep Flange - 10" Wall Tube	25	38
	701G-1	1-1/4" P-Trap – 17 Ga. w/ Ground Joint	25	32

Data is subject to manufacturing tolerances.

Visit www.dearbornbrass.com for updates

03/2009



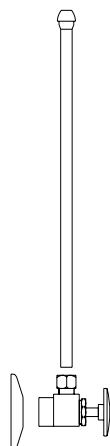
STANDARD STOP WITH FLEXIBLE LAVATORY SUPPLY

Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

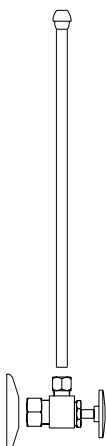
TAG

Engineering Specification: Zurn Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC Two Zurn chrome plated, solid brass angle stops with round wheel handles or loose key as specified, two 12"[305mm] flexible chrome plated copper lavatory risers complete with two chrome plated steel flanges. Z8808-XL-LR-PC and Z8808-XL-LRLK-PC include 5"[127mm] chrome plated copper extension tubes and deep bell steel flanges.

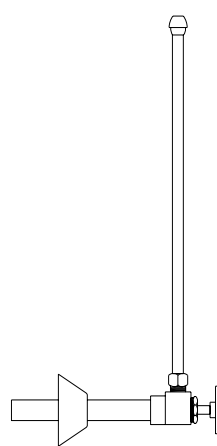
Zurn Lead Free products (-XL), is the line of durable, high quality brass faucets and fixtures that are designed and manufactured to comply with state laws and local codes that mandate lead content levels. Zurn Lead Free products (-XL) are manufactured with less than one quarter of one percent (0.25%) total lead content by weighted average.



Z8802



Z8804



Z8808

PRODUCT NUMBER	CONNECTIONS	EXT.	MASTER CARTON	WEIGHT CARTON	
				LR	LRLK
Z8802-XL-LR-PC	1/2 [13] IPS x 3/8 [10] OD	-	25	24	
Z8802-XL-LRLK-PC	1/2 [13] IPS x 3/8 [10] OD	-	25		25
Z8804-XL-LR-PC	1/2 [13] NOM x 3/8 [10] OD	-	25	24	
Z8804-XL-LRLK-PC	1/2 [13] NOM x 3/8 [10] OD	-	25		25
Z8808-XL-LR-PC	1/2 [13] SWT x 3/8 [10] OD	5	25	28	
Z8808-XL-LRLK-PC	1/2 [13] SWT x 3/8 [10] OD	5	25		33

SUFFIXES

- ___ - **A** Single supply option
- ___ - **C1** Standard Line Lock Shield Cap
- ___ - **CE** Chrome Plated, Cast Brass, Flange with setscrew
- ___ - **D** Chrome Plated Steel, Deep Bell Flange (Bell Type)
- ___ - **WD** Wrought Brass, Deep Flange, (Bell Type)
- ___ - **XP** Cross Handle
- ___ - **15** 15[381] Supply Tube
- ___ - **20** 20[508] Supply Tube
- ___ - **30** 30[762] Supply Tube
- ___ - **36** 36[914] Supply Tube

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

ZURN INDUSTRIES, LLC ♦ COMMERCIAL BRASS OPERATION ♦ 2640 SOUTH WORK STREET ♦ FALCONER NY 14733

Phone: 1-800-997-3876 ♦ Fax: 1-919-775-3541 ♦ www.zurn.com

In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905/405-8272 Fax: 905/405-1292

AquaSpec® is a registered trademark of Zurn Industries, LLC
©2009 Zurn Industries, LLC

Rev. Date: 9/11/09 C.N. No. 125288
Dwg. No. 93347 Product No. Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC



LAV GUARD²

FAST FIT UNDERSINK PIPING COVERS

All New
E-Z Series

ADA-compliant undersink protection



Submittal Sheet

General Description:

LAV GUARD[®] 2E-Z Series waste and supply piping covers satisfy ADA compliance requirements. Built-in *E-Z Grip* internal fasteners and internal, *E-Z Tear-To-Fit* trimming feature allow for fast installation without tools. *Series #100 E-Z* kits are designed to fit on all tubular and cast brass P-trap assemblies. *Series #400* kits are the "original" LAV GUARD design and fit schedule 40 ABS and PVC P-trap assemblies — regardless of their geometry or rotational offset. Valve cover completely encloses angle valve and supply tube for both handled and keyed type water stops.

Material	Molded vinyl
Nominal Wall	1/8" constant
Durometer	70 - 80 - Shore A
UV Protection	Will not fade or discolor
Durability	Virtually indestructible
Trimming (E-Z Series)	Internal, <i>E-Z Tear-To-Fit</i> trim feature
Fasteners (E-Z Series)	Internal <i>E-Z Grip</i> fasteners (reusable)
Color	China white
Paintability	Apply Latex paint
Burning Characteristics ASTM D-635	Self extinguished 0 sec (ATB) 0 mm (AEB)
Bacteria/Fungus Resistance	ASTM G21 and G22/ Result: 0 growth
Maintenance	Use common detergents

Manufactured under one or more of the following U.S. or Canadian patents.
Other patents pending.
5,303,730 5,360,031 5,524,669 5,564,463 5,678,598 5,699,828 5,915,412
5,915,413 5,901,739 5,960,820 2,075,324 2,119,427 2,136,027 2,158,083

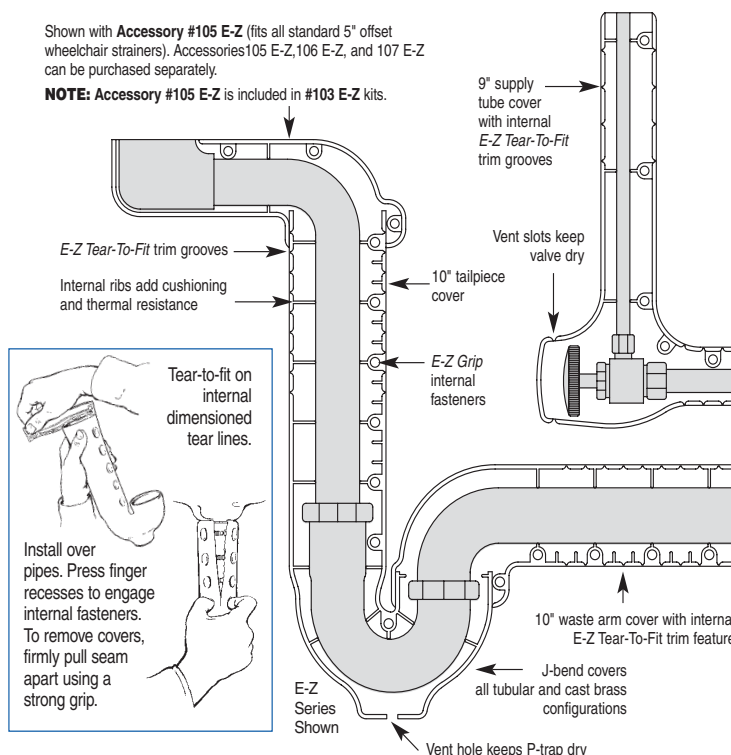


IPS Corporation, 202 Industrial Park Lane, Collierville, TN 38017
(901) 853-5001 (800) 340-5969 FAX: (901) 853-5008
e-mail: info@truebro.com Internet: http://www.truebro.com



Shown with **Accessory #105 E-Z** (fits all standard 5" offset wheelchair strainers). Accessories 105 E-Z, 106 E-Z, and 107 E-Z can be purchased separately.

NOTE: Accessory #105 E-Z is included in #103 E-Z kits.



#100 E-Z Series (shown above right) for tubular and cast brass P-trap assemblies.

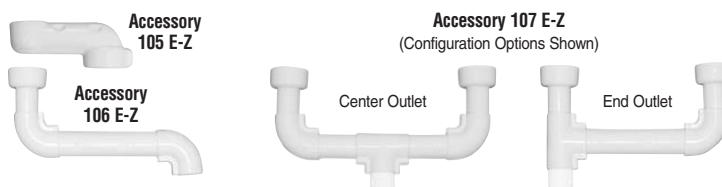
#400W* Series (original design) for schedule 40 P-trap assemblies.

- ☐ **Model #99 E-Z**
One angle valve and supply cover
- ☐ **Model #100 E-Z**
One P-trap cover
- ☐ **Model #400W***
One P-trap cover
- ☐ **Model #101 E-Z**
One P-trap cover, one angle valve cover
- ☐ **Model #401W***
One P-trap cover, one angle valve cover

- ☐ **Model #102 E-Z**
One P-trap cover, two angle valves and covers
- ☐ **Model #402W***
One P-trap cover, two angle valves and covers
- ☐ **Model #103 E-Z**
One P-trap cover, two angle valves and supply covers, one 5" offset tailpiece wheelchair strainer cover
- ☐ **Accessory #105 E-Z**
One 5" offset tailpiece wheelchair strainer assembly

- ☐ **Accessory #105-K**
Kohler 6" offset
- ☐ **Accessory #106 E-Z**
One basket strainer cover and offset waste cover (adjustable to 18")
- ☐ **Accessory #107 E-Z**
Two basket strainer covers and center or end outlet waste cover (adjustable)
- ☐ **Accessory #Ex99 E-Z**
One 16" extension for water supply
- ☐ **Accessory #Ex100 E-Z**
One 16" extension for drain waste arm or tailpiece

*All #400W series items are the "original" LAV GUARD[®] design and construction. Specifications may change without notice.



Job/Location _____

Designer _____

TRUEBRO reserves the right to make product and material changes at any time without notice.

2/07

LV-2 GUEST ROOM LAVATORY

VENDOR PART	VENDOR	DESCRIPTION	PAGE
UB903W	APOGEE	SQUARE WHITE UNDERMOUNT LAVATORY BOWL	67
D538SS-MPU-DST	DELTA	DELTA LAHARA STAINLESS STEEL SINGLE H...	68
701-1	DEARBORN BRASS	P-TRAP 1.25- 17 GAUGE	69
Z8804-XL-LR	ZURN	STANDARD STOP WITH FLEXIBLE LAVATORY ...	70



4580 W Roosevelt Rd. Hillside, IL 60162

Phone: 312-733-1098 Fax: 708-234-1351

SPECIFICATIONS

MODEL UB903W

GENERAL

Fine quality bathroom square sink formed of vitreous china

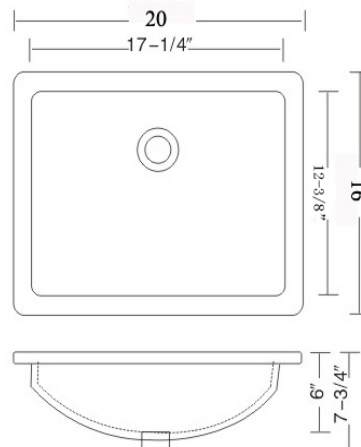
DESIGN FEATURES

Single bowl depth 6" with inside bowl dimensions 17-1/4" X 12-3/8" and over all 20" X 16"

Color: White

Mount Style: Undermount

Other: Drain opening 1-3/4".



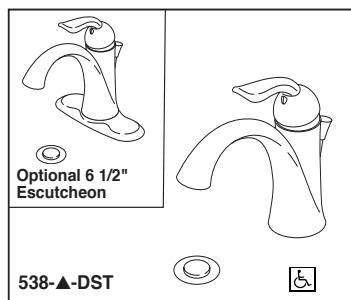
CUPC certified

Minimum cabinet size 24"

Product shall be specified as UB903W

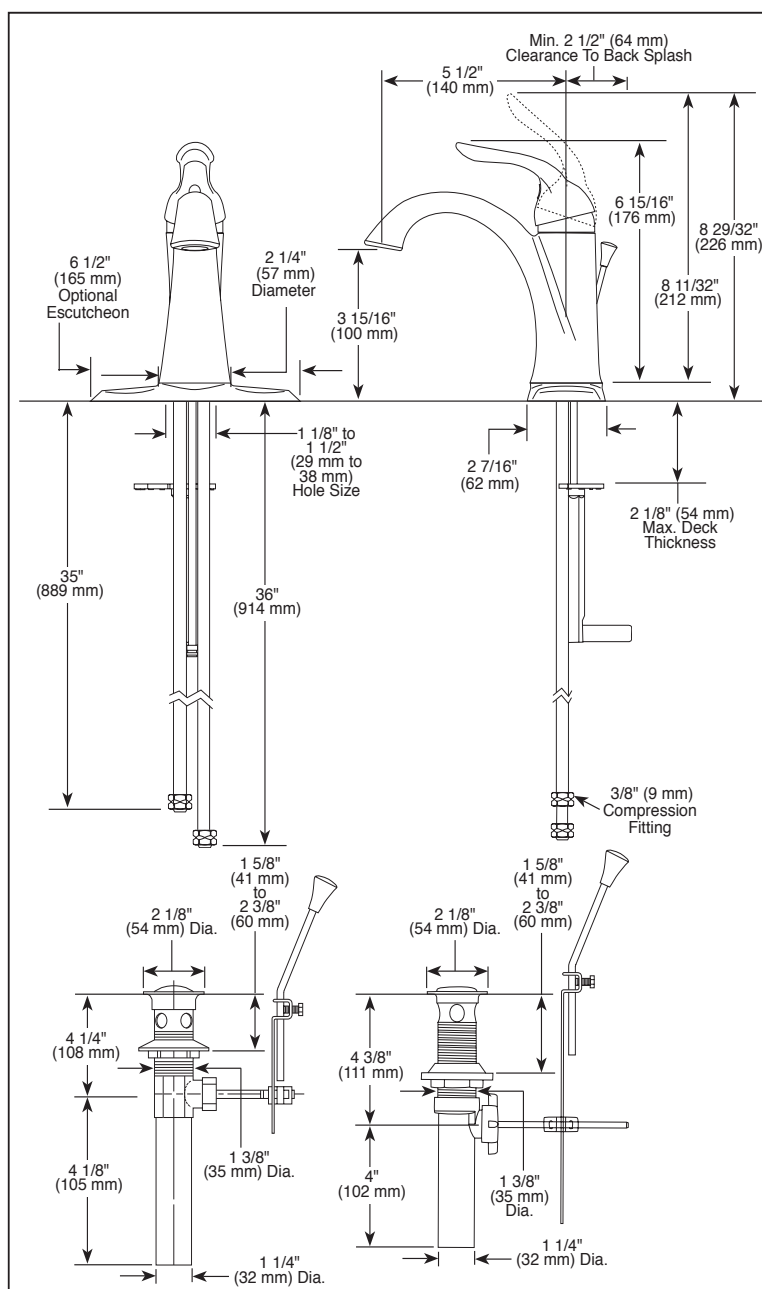
Warranty:

Limited life time warranty against manufacturer defects.



Submitted Model No.:

Specific Features:



▲ Designate Proper Finish Suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-L-538-DST Rev. D



LAVATORY FAUCETS

- Lahara® Collection
■ Single Handle Deck Mount

FEATURES:

- DIAMOND Seal® Technology

STANDARD SPECIFICATIONS:

- Maximum 1.20 gpm @ 60 psi, 4.54 L/min @ 414 kPa
- One or three hole mount (escutcheon optional, included)
- Diamond coated ceramic cartridge
- 3/8" O.D. straight, staggered PEX supply lines
- Models have metal drain with pop-up type fitting with plated flange and stopper
- 50/50 models have metal flange and plastic tail piece
- Red/blue indicator markings

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.

**COMPLIES WITH:**

- ASME A112.18.1 / CSA B125.1
- ASME A112.18.2 / CSA B125.2



- EPA WaterSense®
- Verified compliant with .25% weighted average Pb content regulations.



55 E. 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
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**Dearborn®
Brass**

4675 W. 160th St.
Cleveland, Ohio 44135
Ph: (800) 321-9532
Fax: (800) 321-9535
www.dearbornbrass.com

SUBMITTAL SPECIFICATION

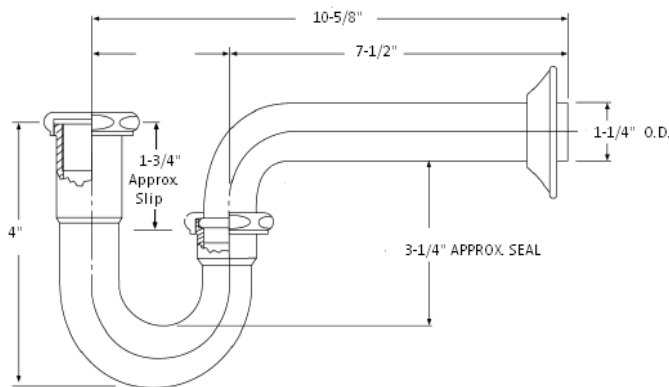
**BRASS TUBULAR
1-1/4" P-TRAP WITHOUT CLEANOUT**

Engineering Specification: Dearborn Brass 1-1/4" Brass Tubular P-Trap without Cleanout are designed for use in tubular drain applications. Available in 17, 20 or Budget Gauge Brass. Options include Brass Nuts, Deep Flange, Longer Wall Tube and Ground Joint.

Job Reference

DESCRIPTION

- Chrome Finished
- 1-1/4" P-Trap Without Cleanout
 - (1) Metal Flange
 - (1) Quarter Bend
 - (1) J-Bend
 - (2) Rubber Washers
 - (2) Nuts



✓	Product No.	Description	Carton Quantity	Carton Weight (lbs)
	2700-1	1-1/4" P-Trap – Budget Ga.	25	18
	2700A-1	1-1/4" P-Trap – Budget Ga. w/ 9.50" Wall Tube	25	21
	2700DF-1	1-1/4" P-Trap – Budget Ga. w/ Deep Flange	25	19
	700-1	1-1/4" P-Trap – 20 Ga.	25	24
	700A-1	1-1/4" P-Trap – 20 Ga. w/ 10" Wall Tube	25	31
	700BN-1	1-1/4" P-Trap – 20 Ga. w/ Brass Nuts	25	25
	700DF-1	1-1/4" P-Trap – 20 Ga. w/ Deep Flange	25	24
	700DFBN-1	1-1/4" P-Trap – 20 Ga. w/ Deep Flange and Brass Nuts	25	25
	701-1	1-1/4" P-Trap – 17 Ga.	25	29
	701BN-1	1-1/4" P-Trap – 17 Ga. w/ Brass Nuts	25	31
	701DF-1	1-1/4" P-Trap – 17 Ga. w/ Deep Flange	25	29
	701DFBN-1	1-1/4" P-Trap – 17 Ga. w/ Deep Flange and Brass Nuts	25	31
	701A-1	1-1/4" P-Trap – 17 Ga. w/ 10" Wall Tube	25	38
	701ADF-1	1-1/4" P-Trap – 17 Ga. w/ Deep Flange - 10" Wall Tube	25	38
	701G-1	1-1/4" P-Trap – 17 Ga. w/ Ground Joint	25	32

Data is subject to manufacturing tolerances.

Visit www.dearbornbrass.com for updates

03/2009



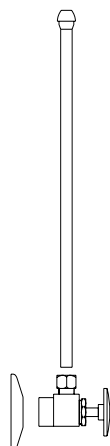
STANDARD STOP WITH FLEXIBLE LAVATORY SUPPLY

Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

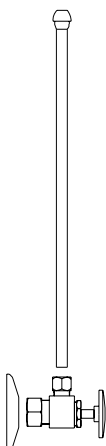
TAG

Engineering Specification: Zurn Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC Two Zurn chrome plated, solid brass angle stops with round wheel handles or loose key as specified, two 12"[305mm] flexible chrome plated copper lavatory risers complete with two chrome plated steel flanges. Z8808-XL-LR-PC and Z8808-XL-LRLK-PC include 5"[127mm] chrome plated copper extension tubes and deep bell steel flanges.

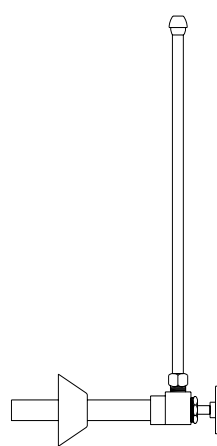
Zurn Lead Free products (-XL), is the line of durable, high quality brass faucets and fixtures that are designed and manufactured to comply with state laws and local codes that mandate lead content levels. Zurn Lead Free products (-XL) are manufactured with less than one quarter of one percent (0.25%) total lead content by weighted average.



Z8802



Z8804



Z8808

PRODUCT NUMBER	CONNECTIONS	EXT.	MASTER CARTON	WEIGHT CARTON	
				LR	LRLK
Z8802-XL-LR-PC	1/2 [13] IPS x 3/8 [10] OD	-	25	24	
Z8802-XL-LRLK-PC	1/2 [13] IPS x 3/8 [10] OD	-	25		25
Z8804-XL-LR-PC	1/2 [13] NOM x 3/8 [10] OD	-	25	24	
Z8804-XL-LRLK-PC	1/2 [13] NOM x 3/8 [10] OD	-	25		25
Z8808-XL-LR-PC	1/2 [13] SWT x 3/8 [10] OD	5	25	28	
Z8808-XL-LRLK-PC	1/2 [13] SWT x 3/8 [10] OD	5	25		33

SUFFIXES

- ___ - **A** Single supply option
- ___ - **C1** Standard Line Lock Shield Cap
- ___ - **CE** Chrome Plated, Cast Brass, Flange with setscrew
- ___ - **D** Chrome Plated Steel, Deep Bell Flange (Bell Type)
- ___ - **WD** Wrought Brass, Deep Flange, (Bell Type)
- ___ - **XP** Cross Handle
- ___ - **15** 15[381] Supply Tube
- ___ - **20** 20[508] Supply Tube
- ___ - **30** 30[762] Supply Tube
- ___ - **36** 36[914] Supply Tube

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

ZURN INDUSTRIES, LLC ♦ COMMERCIAL BRASS OPERATION ♦ 2640 SOUTH WORK STREET ♦ FALCONER NY 14733

Phone: 1-800-997-3876 ♦ Fax: 1-919-775-3541 ♦ www.zurn.com

In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905/405-8272 Fax: 905/405-1292

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Rev. Date: 9/11/09 C.N. No. 125288
Dwg. No. 93347 Product No. Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

LV-3 WALL HUNG LAVATORY

VENDOR PART	VENDOR	DESCRIPTION	PAGE
K-2084-0	KOHLER	SOHO 20" X 18" WALL-MOUNT/CONCEALED A...	72
D538SS-MPU-DST	DELTA	DELTA LAHARA STAINLESS STEEL SINGLE H...	74
701-1	DEARBORN BRASS	P-TRAP 1.25- 17 GAUGE	75
Z8804-XL-LR	ZURN	STANDARD STOP WITH FLEXIBLE LAVATORY ...	76
TRU102	TRUBRO	P-TRAP COVER AND TWO ANGLE VALVE SUPP...	77

KOHLER®

SOHO®

Features

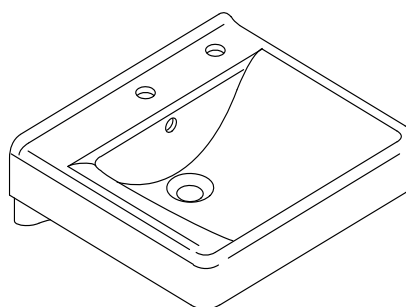
- Vitreous china
- Wall-mount
- Single center hole
- With overflow
- Drilled for concealed arm carrier
- Optional soap dispenser hole on left (-L) or right (-R)
- 20" (508 mm) x 18" (457 mm)

WALL-MOUNT BATHROOM SINK K-2084

ADA

CSA B651

OBC



Codes/Standards Applicable

Specified model meets or exceeds the following:

- ADA
- ICC/ANSI A117.1
- CSA B651
- OBC
- ASME A112.19.2/CSA B45.1

Colors/Finishes

- 0: White
- Other: Refer to Price Book for additional colors/finishes

Accessories

- CP: Polished Chrome
- Other: Refer to Price Book for additional colors/finishes

Specified Model

Model	Description	Colors/Finishes	
K-2084	Single-hole bathroom sink less soap dispenser hole	☐ 0	☐ Other_____
K-2084-L	Single-hole bathroom sink with soap dispenser hole on left	☐ 0	☐ Other_____
K-2084-R	Single-hole bathroom sink with soap dispenser hole on right	☐ 0	☐ Other_____
K-2084-N	Single-hole bathroom sink less overflow	☐ 0	☐ Other_____
K-2084-NL	Single-hole bathroom sink with soap dispenser hole on left less overflow	☐ 0	☐ Other_____
K-2084-NR	Single-hole bathroom sink with soap dispenser hole on right less overflow	☐ 0	☐ Other_____
Recommended Accessories			
K-8998	Trap	☐ CP	☐ Other_____

Product Specification

The wall-mount bathroom sink shall be made of vitreous china. Bathroom sink shall be 20" (508 mm) in length, and 18" (457 mm) in width. Bathroom sink shall have single-hole drilling. Bathroom sink shall have overflow. Bathroom sink shall be drilled for concealed arm carrier. Bathroom sink shall have optional soap dispenser hole on left (-L) or right (-R). Bathroom sink shall be Kohler Model K-2084-_____.

SOHO®

Technical Information

Fixture*:	
Basin area	18" (457 mm) x 13" (330 mm)
Water depth	4-7/8" (124 mm)
Drain hole	Ø 1-3/4" (44 mm)
* Approximate measurements for comparison only.	
Spout hole	Ø 1-3/8" (35 mm)
Soap dispenser hole	Ø 1-1/4" (32 mm)

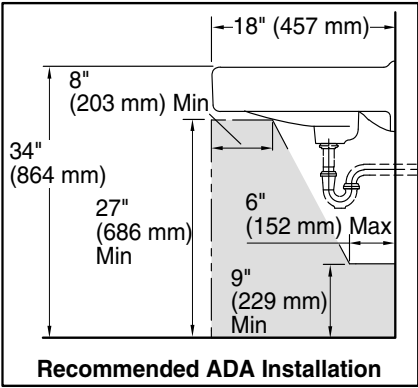
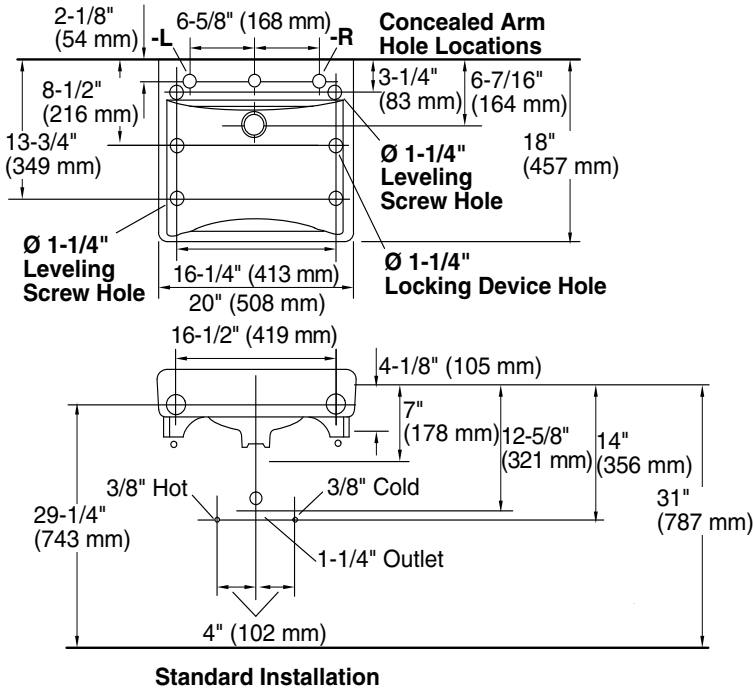
Installation Notes

Install this product according to the installation guide.

Will comply with **ADA** when installed per Section 606 Lavatories of the Act.

Will comply with **CSA B651** when installed per Clause 4.3.3 of the standard.

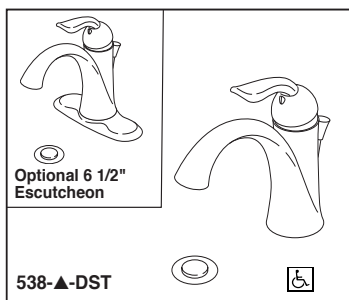
Will comply with **OBC** when installed per Clause 3.8.3.11.



Product Diagram

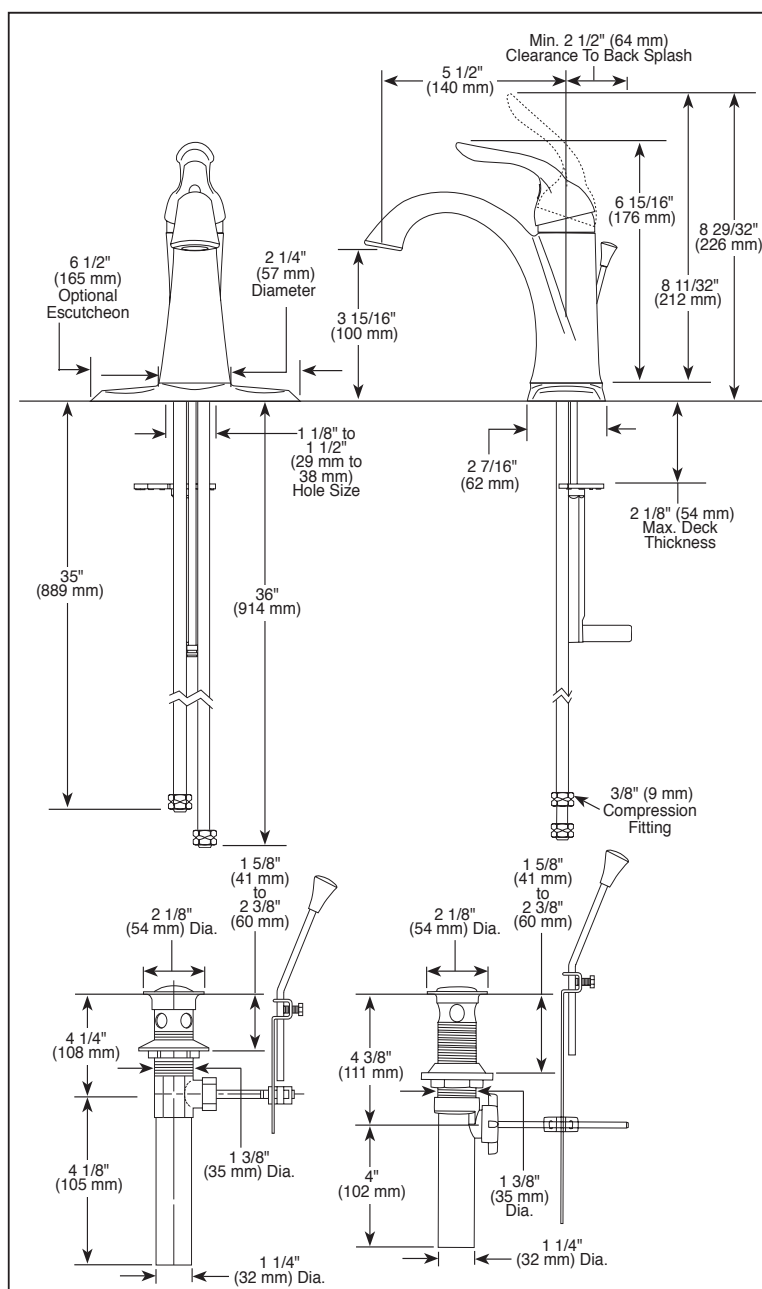
SOHO® WALL-MOUNT BATHROOM SINK
Page 2 of 2
1007356-4-G

THE BOLD LOOK
OF **KOHLER®**



Submitted Model No.: _____

Specific Features: _____



▲ Designate Proper Finish Suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-L-538-DST Rev. D



LAVATORY FAUCETS

- Lahara® Collection
- Single Handle Deck Mount

FEATURES:

- DIAMOND Seal® Technology

STANDARD SPECIFICATIONS:

- Maximum 1.20 gpm @ 60 psi, 4.54 L/min @ 414 kPa
- One or three hole mount (escutcheon optional, included)
- Diamond coated ceramic cartridge
- 3/8" O.D. straight, staggered PEX supply lines
- Models have metal drain with pop-up type fitting with plated flange and stopper
- 50/50 models have metal flange and plastic tail piece
- Red/blue indicator markings

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes; or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.



COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- ASME A112.18.2 / CSA B125.2
- ICC/ANSI A117
- EPA WaterSense®
- Verified compliant with .25% weighted average Pb content regulations.



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SUBMITTAL SPECIFICATION

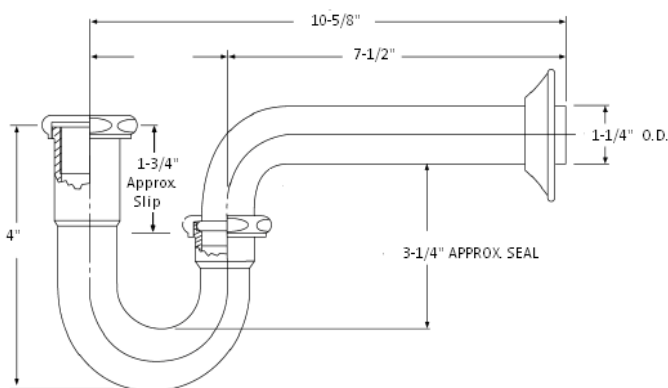
**BRASS TUBULAR
1-1/4" P-TRAP WITHOUT CLEANOUT**

Engineering Specification: Dearborn Brass 1-1/4" Brass Tubular P-Trap without Cleanout are designed for use in tubular drain applications. Available in 17, 20 or Budget Gauge Brass. Options include Brass Nuts, Deep Flange, Longer Wall Tube and Ground Joint.

Job Reference

DESCRIPTION

- Chrome Finished
- 1-1/4" P-Trap Without Cleanout
 - (1) Metal Flange
 - (1) Quarter Bend
 - (1) J-Bend
 - (2) Rubber Washers
 - (2) Nuts



✓	Product No.	Description	Carton Quantity	Carton Weight (lbs)
	2700-1	1-1/4" P-Trap – Budget Ga.	25	18
	2700A-1	1-1/4" P-Trap – Budget Ga. w/ 9.50" Wall Tube	25	21
	2700DF-1	1-1/4" P-Trap – Budget Ga. w/ Deep Flange	25	19
	700-1	1-1/4" P-Trap – 20 Ga.	25	24
	700A-1	1-1/4" P-Trap – 20 Ga. w/ 10" Wall Tube	25	31
	700BN-1	1-1/4" P-Trap – 20 Ga. w/ Brass Nuts	25	25
	700DF-1	1-1/4" P-Trap – 20 Ga. w/ Deep Flange	25	24
	700DFBN-1	1-1/4" P-Trap – 20 Ga. w/ Deep Flange and Brass Nuts	25	25
	701-1	1-1/4" P-Trap – 17 Ga.	25	29
	701BN-1	1-1/4" P-Trap – 17 Ga. w/ Brass Nuts	25	31
	701DF-1	1-1/4" P-Trap – 17 Ga. w/ Deep Flange	25	29
	701DFBN-1	1-1/4" P-Trap – 17 Ga. w/ Deep Flange and Brass Nuts	25	31
	701A-1	1-1/4" P-Trap – 17 Ga. w/ 10" Wall Tube	25	38
	701ADF-1	1-1/4" P-Trap – 17 Ga. w/ Deep Flange - 10" Wall Tube	25	38
	701G-1	1-1/4" P-Trap – 17 Ga. w/ Ground Joint	25	32

Data is subject to manufacturing tolerances.

Visit www.dearbornbrass.com for updates

03/2009



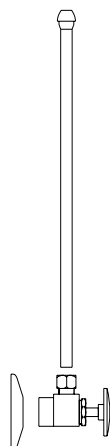
STANDARD STOP WITH FLEXIBLE LAVATORY SUPPLY

Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

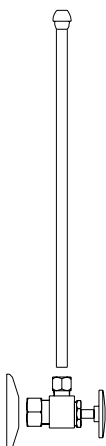
TAG

Engineering Specification: Zurn Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC Two Zurn chrome plated, solid brass angle stops with round wheel handles or loose key as specified, two 12"[305mm] flexible chrome plated copper lavatory risers complete with two chrome plated steel flanges. Z8808-XL-LR-PC and Z8808-XL-LRLK-PC include 5"[127mm] chrome plated copper extension tubes and deep bell steel flanges.

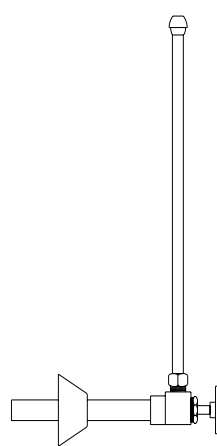
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Z8802



Z8804



Z8808

PRODUCT NUMBER	CONNECTIONS	EXT.	MASTER CARTON	WEIGHT CARTON	
				LR	LRLK
Z8802-XL-LR-PC	1/2 [13] IPS x 3/8 [10] OD	-	25	24	
Z8802-XL-LRLK-PC	1/2 [13] IPS x 3/8 [10] OD	-	25		25
Z8804-XL-LR-PC	1/2 [13] NOM x 3/8 [10] OD	-	25	24	
Z8804-XL-LRLK-PC	1/2 [13] NOM x 3/8 [10] OD	-	25		25
Z8808-XL-LR-PC	1/2 [13] SWT x 3/8 [10] OD	5	25	28	
Z8808-XL-LRLK-PC	1/2 [13] SWT x 3/8 [10] OD	5	25		33

SUFFIXES

- ___ - **A** Single supply option
- ___ - **C1** Standard Line Lock Shield Cap
- ___ - **CE** Chrome Plated, Cast Brass, Flange with setscrew
- ___ - **D** Chrome Plated Steel, Deep Bell Flange (Bell Type)
- ___ - **WD** Wrought Brass, Deep Flange, (Bell Type)
- ___ - **XP** Cross Handle
- ___ - **15** 15[381] Supply Tube
- ___ - **20** 20[508] Supply Tube
- ___ - **30** 30[762] Supply Tube
- ___ - **36** 36[914] Supply Tube

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

ZURN INDUSTRIES, LLC ♦ COMMERCIAL BRASS OPERATION ♦ 2640 SOUTH WORK STREET ♦ FALCONER NY 14733

Phone: 1-800-997-3876 ♦ Fax: 1-919-775-3541 ♦ www.zurn.com

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Rev. Date: 9/11/09 C.N. No. 125288
Dwg. No. 93347 Product No. Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC



LAV GUARD²

FAST FIT UNDERSINK PIPING COVERS

All New
E-Z Series

ADA-compliant undersink protection



Submittal Sheet

General Description:

LAV GUARD² 2E-Z Series waste and supply piping covers satisfy ADA compliance requirements. Built-in *E-Z Grip* internal fasteners and internal, *E-Z Tear-To-Fit* trimming feature allow for fast installation without tools. *Series #100 E-Z* kits are designed to fit on all tubular and cast brass P-trap assemblies. *Series #400* kits are the "original" LAV GUARD design and fit schedule 40 ABS and PVC P-trap assemblies — regardless of their geometry or rotational offset. Valve cover completely encloses angle valve and supply tube for both handled and keyed type water stops.

Material	Molded vinyl
Nominal Wall	1/8" constant
Durometer	70 - 80 - Shore A
UV Protection	Will not fade or discolor
Durability	Virtually indestructible
Trimming (E-Z Series)	Internal, <i>E-Z Tear-To-Fit</i> trim feature
Fasteners (E-Z Series)	Internal <i>E-Z Grip</i> fasteners (reusable)
Color	China white
Paintability	Apply Latex paint
Burning Characteristics ASTM D-635	Self extinguished 0 sec (ATB) 0 mm (AEB)
Bacteria/Fungus Resistance	ASTM G21 and G22/ Result: 0 growth
Maintenance	Use common detergents

Manufactured under one or more of the following U.S. or Canadian patents.
Other patents pending.
5,303,730 5,360,031 5,524,669 5,564,463 5,678,598 5,699,828 5,915,412
5,915,413 5,901,739 5,960,820 2,075,324 2,119,427 2,136,027 2,158,083

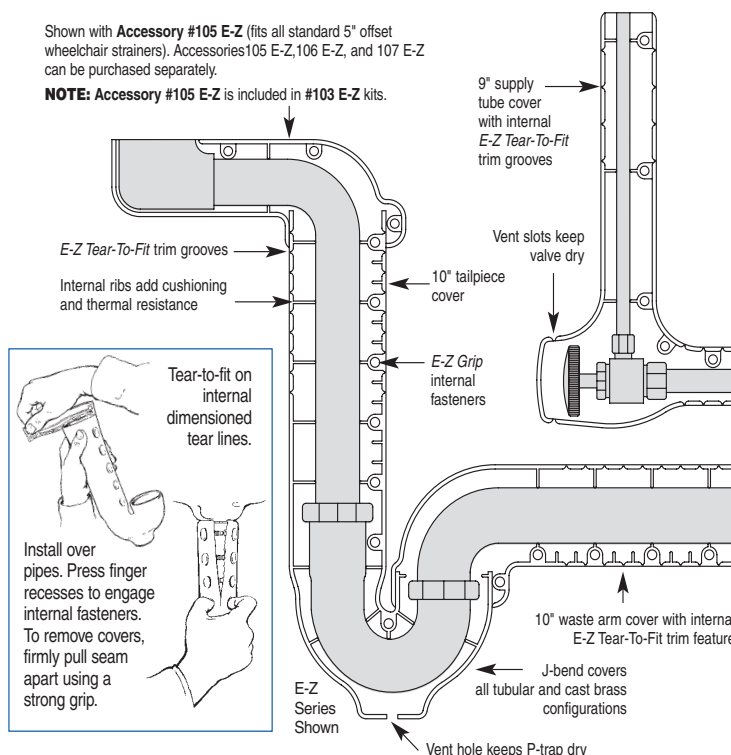


IPS Corporation, 202 Industrial Park Lane, Collierville, TN 38017
(901) 853-5001 (800) 340-5969 FAX: (901) 853-5008
e-mail: info@truebro.com Internet: http://www.truebro.com



Shown with **Accessory #105 E-Z** (fits all standard 5" offset wheelchair strainers). Accessories 105 E-Z, 106 E-Z, and 107 E-Z can be purchased separately.

NOTE: Accessory #105 E-Z is included in #103 E-Z kits.



#100 E-Z Series (shown above right) for tubular and cast brass P-trap assemblies.

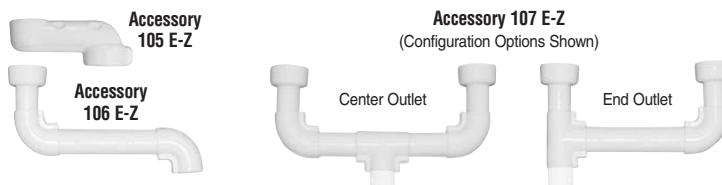
#400W* Series (original design) for schedule 40 P-trap assemblies.

- ☐ **Model #99 E-Z**
One angle valve and supply cover
- ☐ **Model #100 E-Z**
One P-trap cover
- ☐ **Model #400W***
One P-trap cover
- ☐ **Model #101 E-Z**
One P-trap cover, one angle valve cover
- ☐ **Model #401W***
One P-trap cover, one angle valve cover

- ☐ **Model #102 E-Z**
One P-trap cover, two angle valves and covers
- ☐ **Model #402W***
One P-trap cover, two angle valves and covers
- ☐ **Model #103 E-Z**
One P-trap cover, two angle valves and supply covers, one 5" offset tailpiece wheelchair strainer cover
- ☐ **Accessory #105 E-Z**
One 5" offset tailpiece wheelchair strainer assembly

- ☐ **Accessory #105-K**
Kohler 6" offset
- ☐ **Accessory #106 E-Z**
One basket strainer cover and offset waste cover (adjustable to 18")
- ☐ **Accessory #107 E-Z**
Two basket strainer covers and center or end outlet waste cover (adjustable)
- ☐ **Accessory #Ex99 E-Z**
One 16" extension for water supply
- ☐ **Accessory #Ex100 E-Z**
One 16" extension for drain waste arm or tailpiece

*All #400W series items are the "original" LAV GUARD² design and construction. Specifications may change without notice.



Job/Location _____

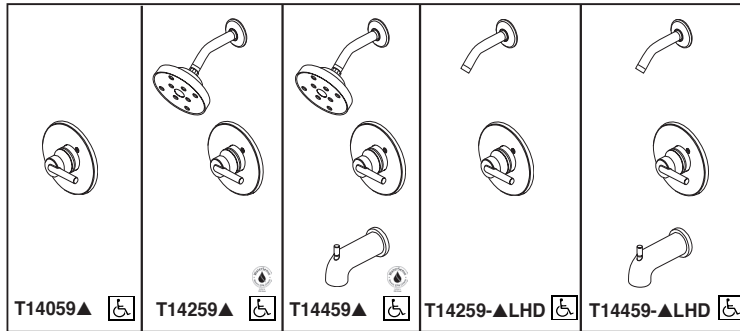
Designer _____

TRUEBRO reserves the right to make product and material changes at any time without notice.

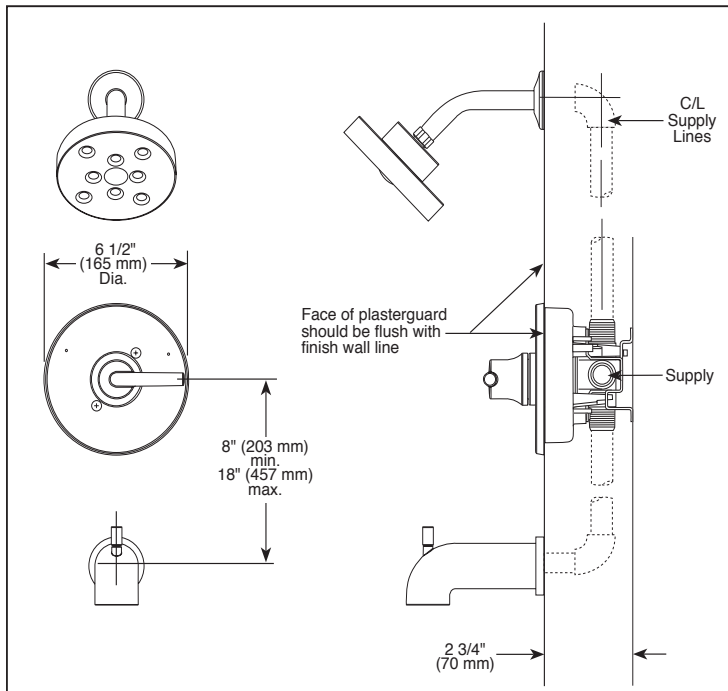
2/07

SR-1 ADA SHOWER VALVE & TRIM

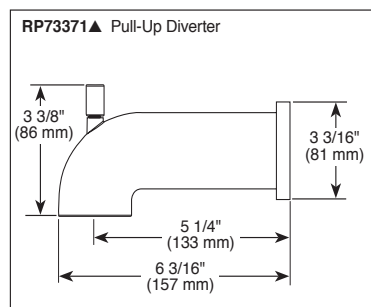
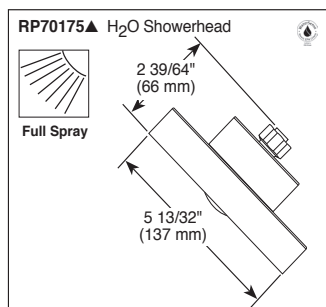
VENDOR PART	VENDOR	DESCRIPTION	PAGE
T14259-SSLHD	DELTA	MONITOR 14 SERIES SHOWER TRIM - LESS...	79
R10000-MFWS	DELTA	MULTICHOICE UNIVERSAL TUB AND SHOWER...	80
52637-SS15-PK	DELTA	H2OKINETIC 5-SETTING SHOWER HEAD	81
T11859-SS	DELTA	3-SETTING 2-PORT DIVERTER TRIM	82
R11000	DELTA	3 / 6-SETTING DIVERTER ROUGH	88
55445-SS	DELTA	H2OKINETIC 5-SETTING ADJUSTABLE WALL...	89
50560-SS	DELTA	WALL ELBOW FOR HAND SHOWER	95



Submitted Model No.: _____
Specific Features: _____



▲ Designate Proper Finish Suffix



TUB AND SHOWER FAUCET TRIM

- Trinsic™ Bath Collection
- Valve Only (T14059)
- Shower Only (T14259)
- Tub/Shower (T14459)

STANDARD SPECIFICATIONS:

- Pressure balanced single handle bath mixing valve trim.
- Temperature only controlled with handle.
- Field adjustable means to limit handle rotation into hot water zone.
- 120° maximum handle rotation.
- All parts replaceable from the front of the valve.
- For use with MultiChoice® Universal rough valve body. (R10000 Series)
- Lever handle.
- Single function H₂Okinetic Technology® showerhead; 2.0 gpm @ 80 PSI.
- Maintains a balanced pressure of hot and cold water even when a valve is turned on or off elsewhere in the system.
- Red/blue pad print temperature indicators on escutcheon.
- "LHD" models indicate less showerhead.

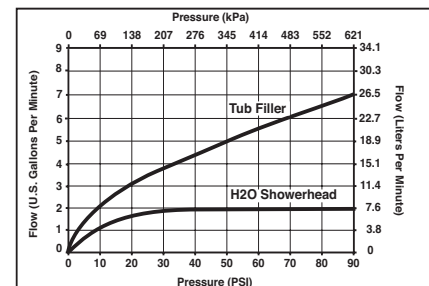
WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes; or, for commercial users, for 5 years from date of purchase.
 - 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase.
- No warranty is provided on batteries.



COMPLIES WITH:

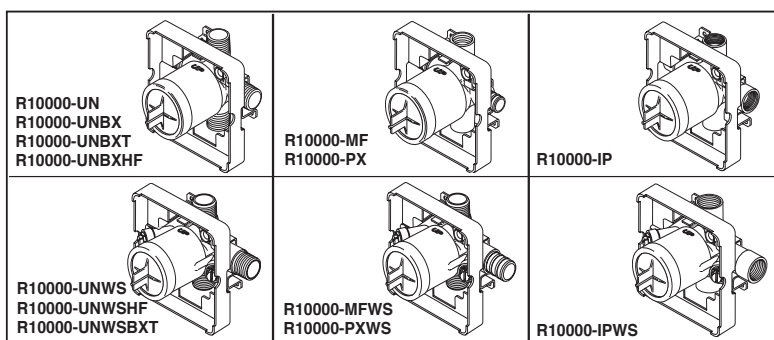
- ASME A112.18.1 / CSA B125.1
- ASSE 1016
- Indicates compliance to ICC/ANSI A117.1
- EPA WaterSense®



55 E 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
© 2013 Masco Corporation of Indiana

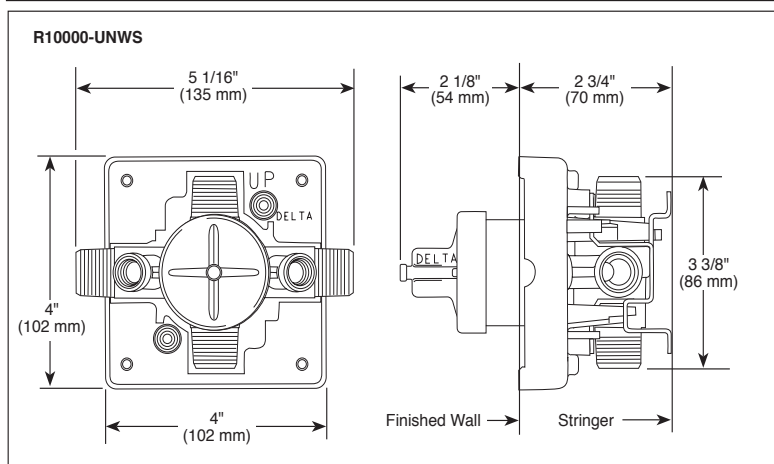
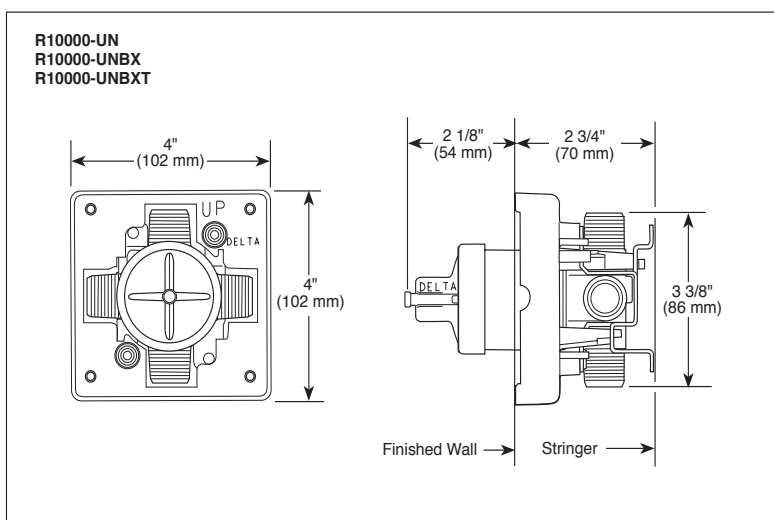
Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-B-T14059 Rev. D



Submitted Model No.: _____

Specific Features: _____



Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability2

DSP-B-R10000 Rev. H



MULTICHOICE® UNIVERSAL ROUGH VALVE BODY

- R10000-UN (Universal Inlets/Outlets)
- R10000-UNBX (Universal Single Box Model)
- R10000-UNBXHF (High Flow Shower Only)
- R10000-UNBXT (Thin Wall)
- R10000-UNWS (Universal with Stops)
- R10000-UNWSHF (High Flow with Stops)
- R10000-UNWSBXT (Thin Wall with Stops)
- R10000-PX (Pex Crimp Connections with UN Outlets)
- R10000-PXWS (Pex Crimp Connections with Stop with UN Outlets)
- R10000-IP (IPS Inlets/Outlets)
- R10000-IPWS (IPS with Stops)
- R10000-MF (Pex Cold Expansion Connections with UN Outlets)
- R10000-MFWS (Pex Cold Expansion with Stops with UN Outlets)

STANDARD SPECIFICATIONS:

- Forged brass body.
- Back-to-Back installation capabilities.
- Can be tested with air (200 PSI) or water (300 PSI) without valve using supplied test cap.
- Square plasterguard allows for right angle cuts.
- Thin wall mounting.
- For use with MultiChoice® Universal single or dual function trim. Cartridge ships with trim.
- 1/2" outlets and connections.

Note: No tub outlet in HF model.

Note: Should use proper fitting with each type (copper tubing, iron pipe, and pex fitting).

Note: Should use proper tooling with crimping pex fitting and cold expansion pex models.

Note: IP indicates female 1/2" threaded connections.

Note: UN indicates Universal type fitting and is 1/2" NPT male thread with 1/2" C.W.T. female sweat.

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.

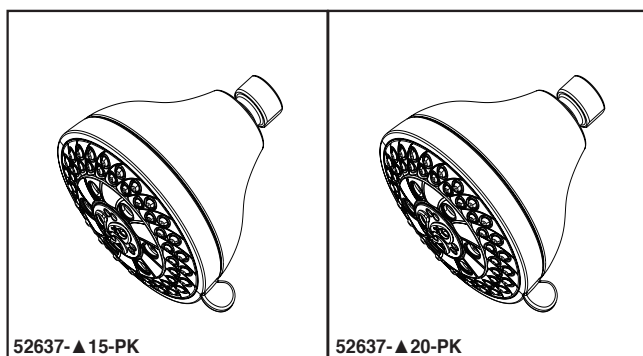


COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1

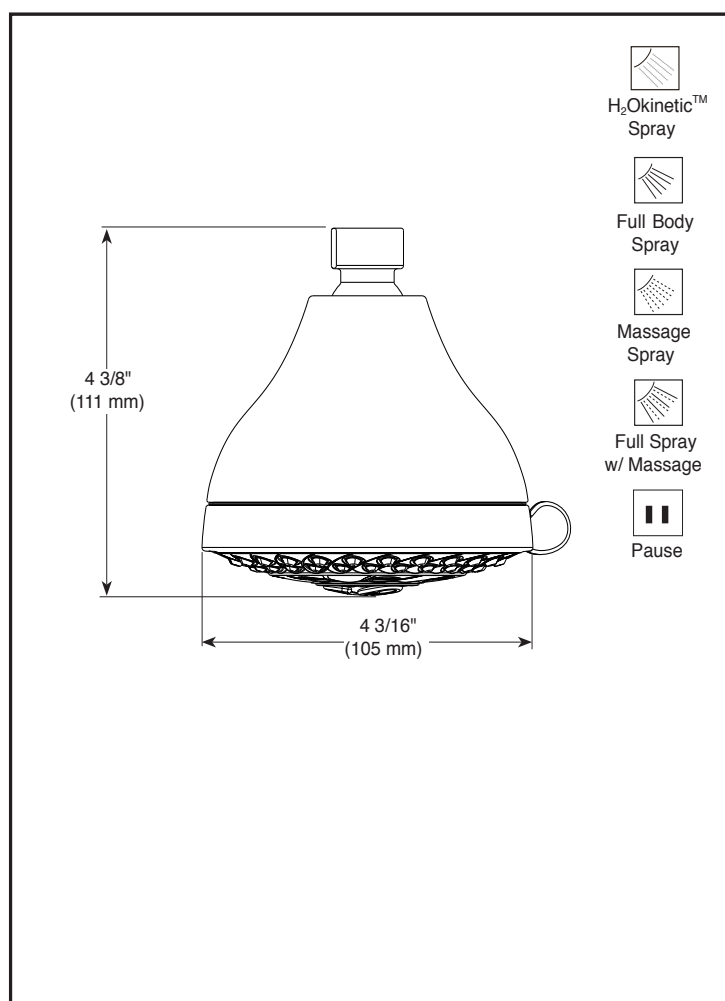


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Submitted Model No.: _____

Specific Features: _____



▲ Designate proper finish suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-B-52637-15-PK Rev. C



SHOWERHEAD

- H₂Okinetic Technology® Showerhead
- 5-Spray Setting Showerhead
- Touch-Clean® Nozzles

STANDARD SPECIFICATIONS:

- ABS showerhead with five settings – not a positive shut-off.
- Standard 1/2" pipe fitting.
- Easy-turn spray dial.
- Metal ball connector for durability. Easy installation.
- Maximum flow rate 2.0 gpm (7.6L/min) @ 80 PSI. (52637-▲20-PK only)
- Maximum flow rate 1.5 gpm (5.7L/min) @ 80 PSI. (52637-▲15-PK only)

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes; or, for commercial users, for 5 years from the date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.



COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- EPA WaterSense®



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51833

**3-PORT, THREE AND SIX FUNCTION
DIVERTER TRIM**

Models/Modelos/Modèles

T11800, T11851, T11853, T11855, T11859,
T11861, T11864, T11867, T11885, T11886,
T11892, T11894, T11897-LHP, T11900, T11951,
T11953, T11955, T11959, T11961, T11964, T11967,
T11985, T11986, T11992, T11994, T11997-LHP,
T11852, T11952

Series/Series/Seria

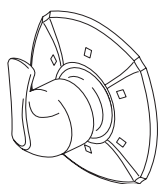
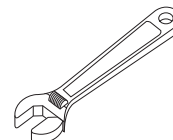
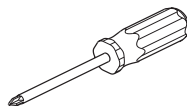
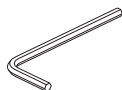
**ACCESORIO PARA EL DESVIADOR DE TRES
Y SEIS FUNCIONES, DE 3 TOMAS**

**ÉLÉMENTS DE FINITION DE L'INVERSEUR À
3 ORIFICES, À TROIS ET SIX FONCTIONS**

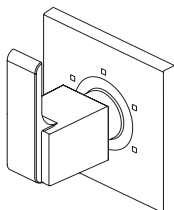
Write purchased model number here.
Escriba aquí el número del modelo comprado.
Inscrivez le numéro de modèle ici.

Rough-in R11000 required for installation
Rough-in R11000 necesario para la instalación
Rough-in R11000 requis pour l'installation

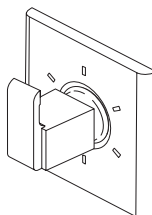
You may need/Usted puede necesitar/Articles dont vous pouvez avoir besoin:



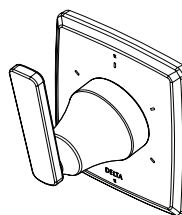
Addison™



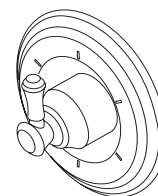
Ara™



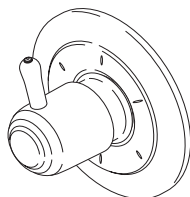
Arzo®



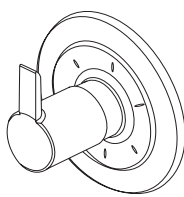
Ashlyn™



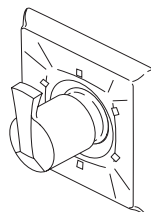
Cassidy™



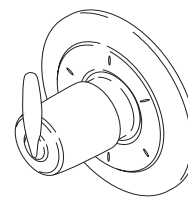
Classic



Compel™



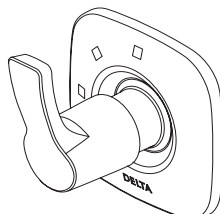
Dryden™



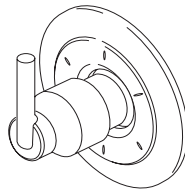
Grail®



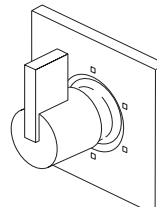
Linden™



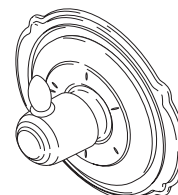
Tesla™



Trinsic™

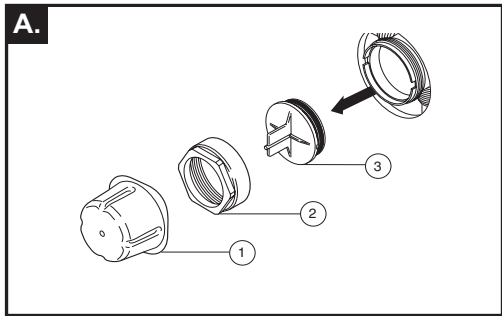
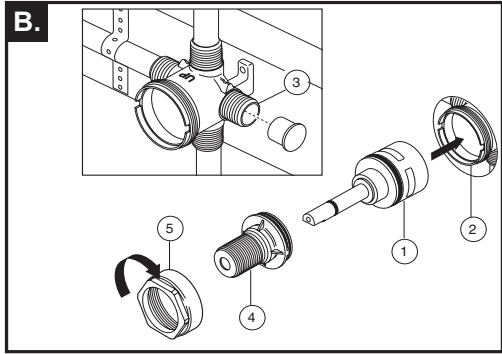
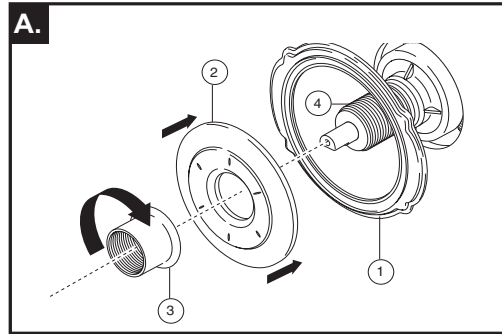
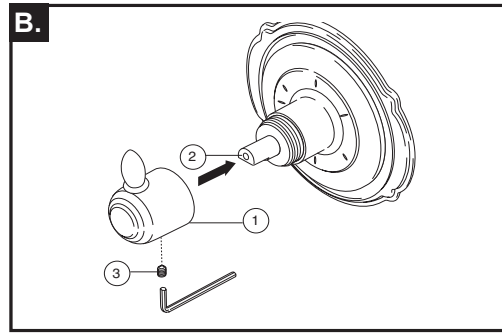


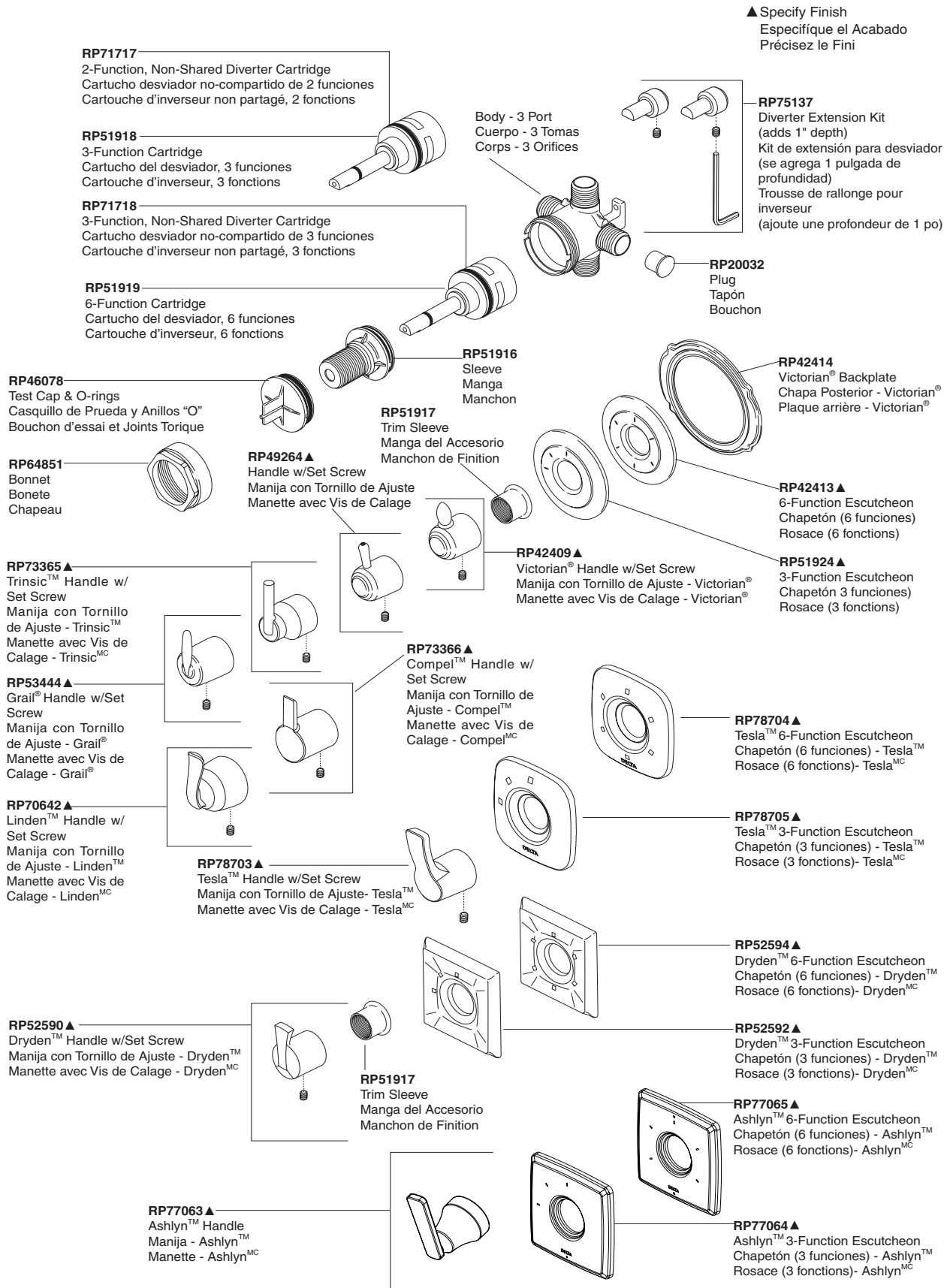
Vero®



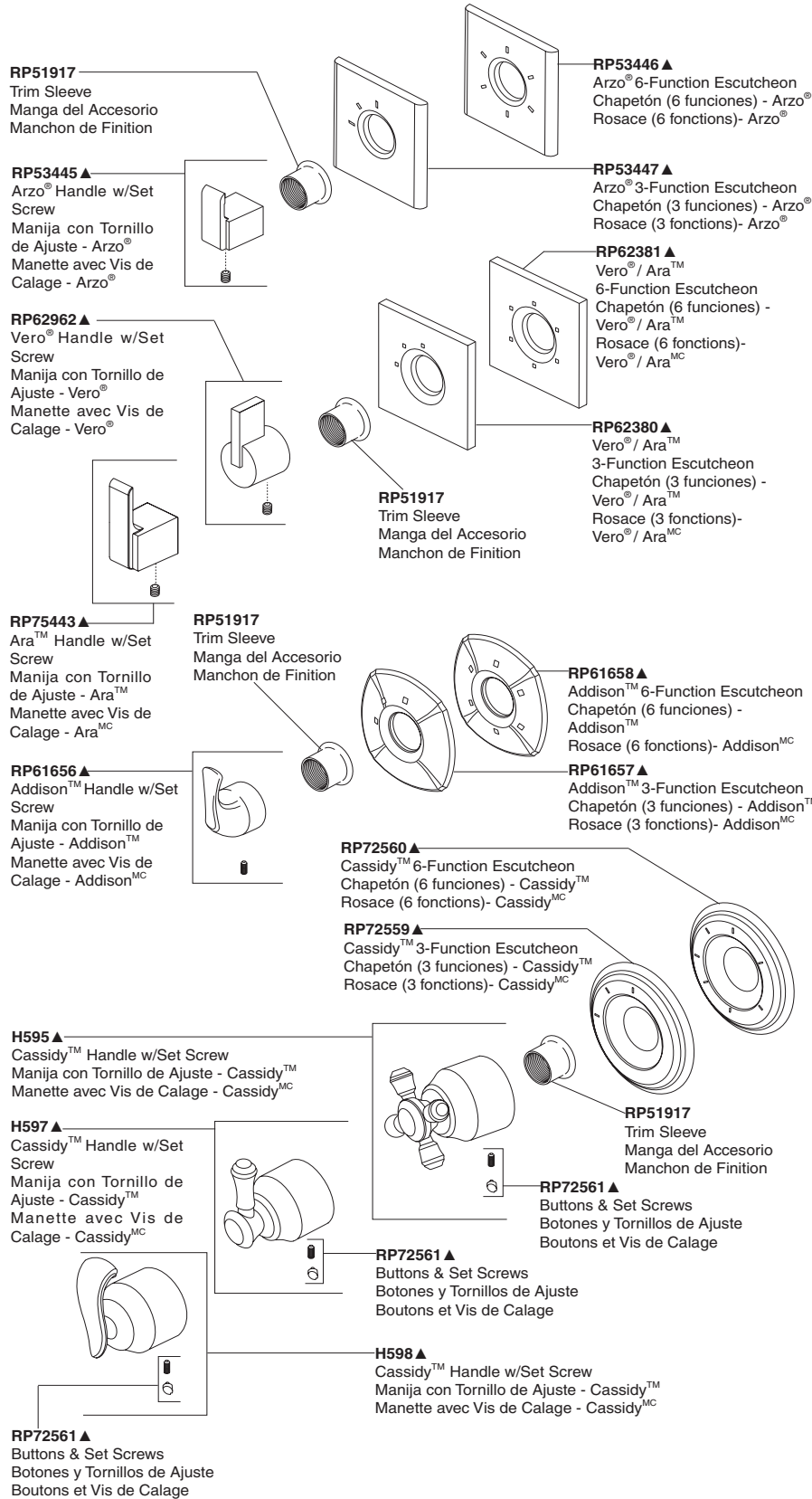
Victorian®

51833

1 A.  B. 	2 A.  B. 
A. When the diverter is ready for trim remove plasterguard (1), bonnet (2) and test cap (3) from the body. B. Install cartridge assembly (1) into body (2) assuring that the locating pin on the bottom of the cartridge aligns with mating hole in body. Note: Right port (3) must be plugged if using a 3 function diverter cartridge. Slide threaded sleeve (4) over cartridge stem aligning tabs on sleeve with slots in body (2) and tighten securely with bonnet (5).	A. Place and hold backplate (1) (T11855/T11955 Only) and escutcheon (2) over diverter. Thread trim sleeve (3) onto threaded sleeve (4) until escutcheon and backplate are secure against wall. Do not overtighten. B. Place handle (1) onto stem (2) and tighten set screw (3).
A. Cuando el desviador está listo el accesorio quite el protector de yeso (1), en capuchón (2) y la tapa de prueba (3) del cuerpo. B. Instale el ensamble del cartucho (1) en el cuerpo (2) asegurándose que la clavija localizadora en la parte inferior del cartucho está alineada con el agujero correspondiente en el cuerpo. Nota: La toma de agua en la derecha (3) debe estar tapada si se utiliza un cartucho desviador de 3 funciones. Deslice la manga enroscada (4) sobre la espiga del cartucho alineando las lengüetas en la manga con las ranuras en el cuer po (2) y apriete bien con el capuchón (5).	A. Coloque y sostenga la placa posterior (1) (T11855/ T11955 solamente) y la chapa de cubierta (2) sobre el desviador. Enrosque la manga de accesorio (3) en la manga enroscada (4) hasta que la chapa de cubierta y la placa posterior queden fijas contra la pared. No apriete demasiado. B. Coloque la manija (1) en la espiga (2) y apriete el tornillo de ajuste (3).
A. Lorsque l'inverseur est prêt à recevoir les éléments de finition, retirez le protecteur (1), le chapeau (2) et le capuchon d'essai (3) du corps. B. Installez la cartouche (1) dans le corps (2) en prenant soin de faire correspondre l'axe de détrompage au bas de la cartouche avec le trou dans le corps. Note: Vous devez obturer l'orifice droit (3) si vous utilisez une cartouche d'inverseur à trois fonctions. Glissez le manchon fileté (4) sur la tige de la cartouche en prenant soin de faire corre spondre les pattes sur le manchon avec les rainures dans le corps (2) et serrez-le solidement avec le chapeau (5).	A. Placez la plaque arrière (1) (T11855/T11955 seulement) et la plaque de finition (2) sur l'inverseur et maintenez-les en place. Vissez le manchon de finition (3) sur le manchon fileté (4) jusqu'à ce que la plaque de finition et la plaque arrière soient immobilisées contre le mur. Évitez de serrer excessivement. B. Placez la manette (1) sur la tige (2) et serrez la vis de calage (3).



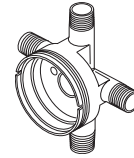
▲ Specify Finish
Especifique el Acabado
Précisez le Fini



Using New Trim With
Rough R11600

Para el uso de un accesorio nuevo
con tuberías internas R11600

Utilisation de la nouvelle finition
avec les soupapes R11600



R11600

If you have **R11600** installed you will need to order **RP42410** (cartridge assembly), **RP37902** (3 function stem extender) OR **RP37903** (6 function stem extender) and **RP37890** (extension screw) to use the new trim.

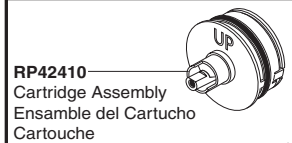
Note: RP42412 (trim sleeve) may be needed for installations between 3.5 and 4.0 inches deep from the finished wall surface.

Si usted tiene instalado la pieza **R11600**, necesitará ordenar **RP42410** (ensamble del cartucho), **RP37902** (extensión de espiga de 3 funciones) o **RP37903** (extensión de espiga de 6 funciones) y **RP37890** (tornillo de extensión) para utilizar el accesorio nuevo.

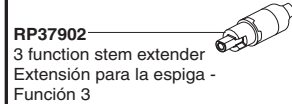
Nota: La pieza RP42412 (manga de accesorio) puede ser necesaria para las instalaciones de 3.5 a 4.0 pulgadas de profundidad desde la superficial de la pared acabada.

Si vous avez installé l'article **R11600**, vous devez commander les articles **RP42410** (cartouche), **RP37902** (rallonge de tige pour soupape à 3 fonctions) OU **RP37903** (rallonge de tige pour soupape à 6 fonctions) et **RP37890** (vis de rallonge) et les utiliser avec la nouvelle finition.

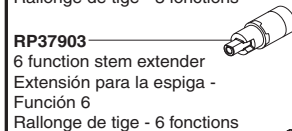
Note: L'article RP42412 (manchon de finition) peut être nécessaire pour les installations présentant un écart de 3,5 à 4 pouces de profondeur par rapport à la surface finie du mur.



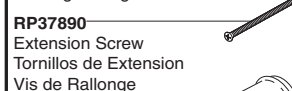
RP42410
Cartridge Assembly
Ensamble del Cartucho
Cartouche



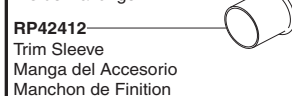
RP37902
3 function stem extender
Extensión para la espiga -
Función 3
Rallonge de tige - 3 fonctions



RP37903
6 function stem extender
Extensión para la espiga -
Función 6
Rallonge de tige - 6 fonctions

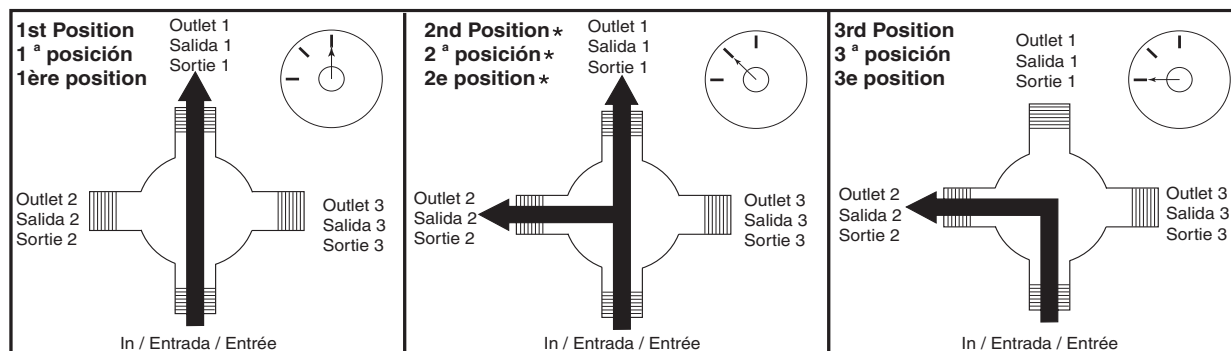


RP37890
Extension Screw
Tornillos de Extension
Vis de Rallonge



RP42412
Trim Sleeve
Manga del Accesorio
Manchon de Finition

Water Flow For 3 Function Diverter / Flujo de agua para Desviadores de 3 posiciones / Écoulement de l'eau pour les inverseurs à 3 positions

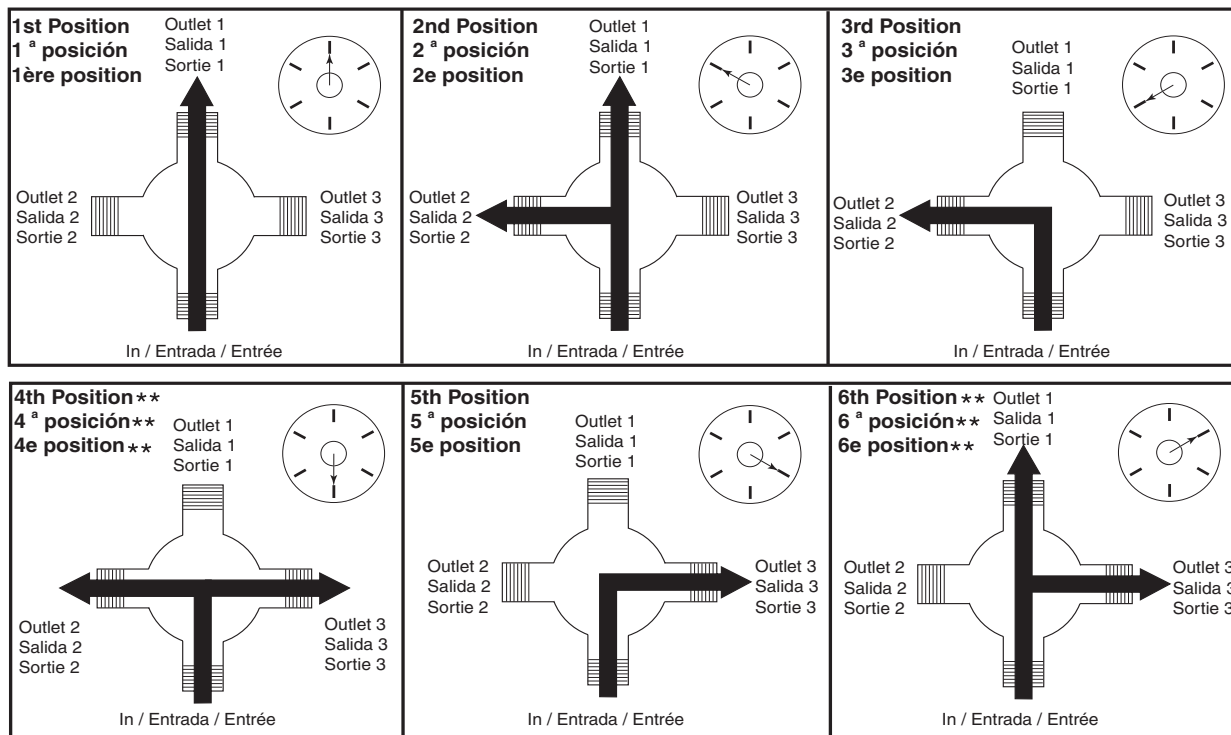


* Shared positions do not exist in non-shared cartridges.

* Los ajustes o posiciones compartidas no existen en los cartuchos no-compartidos.

* Comme leur nom l'indique, les cartouches sans position partagée ne comportent aucune position partagée.

Water Flow For 6 Function Diverter / Flujo de agua para Desviadores de 6 posiciones / Écoulement de l'eau pour les inverseurs à 6 positions



** Shared positions do not exist in non-shared cartridges.

** Los ajustes o posiciones compartidas no existen en los cartuchos no-compartidos.

** Comme leur nom l'indique, les cartouches sans position partagée ne comportent aucune position partagée.

CLEANING AND CARE

Care should be given to the cleaning of this product. Although its finish is extremely durable, it can be damaged by harsh abrasives or polish. To clean, simply wipe gently with a damp cloth and blot dry with a soft towel.

LIMPIEZA Y CUIDADO DE SU LLAVE

Tenga cuidado al ir a limpiar este producto. Aunque su acabado es sumamente durable, puede ser afectado por agentes de limpieza o para pulir abrasivos. Para limpiar su llave, simplemente frótelas con un trapo húmedo y luego séquela con una toalla suave.

INSTRUCTIONS DE NETTOYAGE

Il faut le nettoyer avec soin. Même si son fini est extrêmement durable, il peut être abîmé par des produits fortement abrasifs ou des produits de polissage. Il faut simplement le frotter doucement avec un chiffon humide et le sécher à l'aide d'un chiffon doux.

CLEANING AND CARE

Care should be given to the cleaning of this product. Although its finish is extremely durable, it can be damaged by harsh abrasives or polish. To clean, simply wipe gently with a damp cloth and blot dry with a soft towel.

Limited Warranty on Delta® Faucets

Parts and Finish

All parts (other than electronic parts and batteries) and finishes of this Delta® faucet are warranted to the original consumer purchaser to be free from defects in material and workmanship for as long as the original consumer purchaser owns the home in which the faucet was first installed or, for commercial users, for 5 years from the date of purchase.

Electronic Parts and Batteries (if applicable)

Electronic parts (other than batteries), if any, of this Delta® faucet are warranted to the original consumer purchaser to be free from defects in material and workmanship for 5 years from the date of purchase or, for commercial users, for one year from the date of purchase. No warranty is provided on batteries.

Delta Faucet Company will replace, FREE OF CHARGE, during the applicable warranty period, any part or finish that proves defective in material and/or workmanship under normal installation, use and service. If repair or replacement is not practical, Delta Faucet Company may elect to refund the purchase price in exchange for the return of the product. **These are your exclusive remedies.**

Delta Faucet Company recommends using a professional plumber for all installation and repair. We also recommend that you use only genuine Delta® replacement parts.

Delta Faucet Company shall not be liable for any damage to the faucet resulting from misuse, abuse, neglect or improper or incorrectly performed installation, maintenance or repair, including failure to follow the applicable care and cleaning instructions.

Replacement parts may be obtained by calling the applicable number below or by writing to:

In the United States and Mexico:

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1-800-345-DELTA (3358)
customerservice@deltafaucet.com

In Canada:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1-800-345-DELTA (3358)
customerservice@mascocanada.com

Proof of purchase (original sales receipt) from the original purchaser must be made available to Delta Faucet Company for all warranty claims unless the purchaser has registered the product with Delta Faucet Company. This warranty applies only to Delta® faucets manufactured after January 1, 1995 and installed in the United States of America, Canada and Mexico.

DELTA FAUCET COMPANY SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LABOR CHARGES) FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THE FAUCET. Some states/provinces do not allow the exclusion or limitation of special, incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you special legal rights. You may also have other rights which vary from state/province to state/province.

This is Delta Faucet Company's exclusive written warranty and the warranty is not transferable.

If you have any questions or concerns regarding our warranty, please view our Warranty FAQs at www.deltafaucet.com, email us at customerservice@deltafaucet.com or call us at the applicable number above.

© 2014 Masco Corporation of Indiana

LIMPIEZA Y CUIDADO DE SU LLAVE

Tenga cuidado al ir a limpiar este producto. Aunque su acabado es sumamente durable, puede ser afectado por agentes de limpieza o para pulir abrasivos. Para limpiar su llave, simplemente frotela con un trapo húmedo y luego séquela con una toalla suave.

Garantía Limitada de las Llaves de Agua (grifos) Delta®

Piezas y acabado Todas las piezas

(excepto las piezas electrónicas y las pilas) y los acabados de esta llave de agua Delta® están garantizados al consumidor comprador original de estar libres de defectos en material y fabricación durante el tiempo que el comprador original posea la vivienda en la que la llave de agua fue originalmente instalada o, para los consumidores comerciales, durante 5 años a partir de la fecha de compra.

Componentes electrónicos y pilas (si aplicable)

Todas las piezas (salvo las pilas), si hay, de esta llave de agua Delta® están garantizadas al consumidor comprador original de estar libres de defectos en materiales y fabricación durante 5 años a partir de la fecha de compra o, para los usuarios comerciales, por un año a partir de la fecha de compra. No se garantizan las pilas.

Delta Faucet Company reemplazará, SIN CARGO, durante el período de garantía aplicable, cualquier pieza o acabado que pruebe tener defectos de material y/o fabricación bajo la instalación, uso y servicio normal. Si la reparación o su reemplazo no es práctico, Delta Faucet Company tiene la opción de reembolsarle su dinero por la cantidad del precio de compra a cambio de la devolución del producto. **Estos son sus únicos recursos.**

Delta Faucet Company recomienda que use los servicios de un plomero profesional para todas las instalaciones y reparaciones. También le recomendamos que utilice sólo las piezas de repuesto originales de Delta®.

Delta Faucet Company no será responsable por cualquier daño a la llave de agua que resulte del mal uso, abuso, negligencia o mala instalación o mantenimiento o reparación incorrecta, incluyendo el no seguir los cuidados aplicables y las instrucciones de limpieza.

Las piezas de repuesto se pueden obtener llamando al número correspondiente más abajo, o escribiendo a:

En los Estados Unidos y México:

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1-800-345-DELTA (3358)
customerservice@deltafaucet.com

En Canadá:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1 800 345 DELTA (3358)
customerservice@mascocanada.com

La prueba de compra (recibo original) del comprador original debe ser disponible a Delta Faucet Company para todos los reclamos a menos que el comprador haya registrado el producto con Delta Faucet Company. Esta garantía le aplica sólo a las llaves de agua de Delta® fabricadas después del 1 de enero 1995 e instaladas en los Estados Unidos de América, Canadá y México.

DELTA FAUCET COMPANY NO SE HACE RESPONSABLE POR CUALQUIER DAÑO ESPECIAL, INCIDENTAL O CONSECUENTE (INCLUYENDO LOS GASTOS DE MANO DE OBRA) POR EL INCUMPLIMIENTO DE CUALQUIER GARANTÍA EXPRESA O IMPLÍCITA DE LA LLAVE DE AGUA. Algunos estados/provincias no permiten la exclusión o limitación de daños especiales, incidentales o consecuentes, por lo que estas limitaciones y exclusiones pueden no aplicarle a usted. Esta garantía le otorga derechos legales. Usted también puede tener otros derechos que varían de estado/provincia a estado/provincia.

Esta es la garantía exclusiva por escrito de Delta Faucet Company y la garantía no es transferible.

Si usted tiene alguna pregunta o inquietud acerca de nuestra garantía, por favor, vea nuestra sección de preguntas frecuentes FAQ sobre la garantía en www.deltafaucet.com, también puede enviarnos un correo electrónico a customerservice@deltafaucet.com o llámenos al número que le corresponda anteriormente incluido.

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INSTRUCTIONS DE NETTOYAGE

Il faut le nettoyer avec soin. Même si son fini est extrêmement durable, il peut être abîmé par des produits fortement abrasifs ou des produits de polissage. Il faut simplement le frotter doucement avec un chiffon humide et le sécher à l'aide d'un chiffon doux.

Garantie limitée des robinets Delta®

Pièces et finis

Toutes les pièces (à l'exception des composants électroniques et des piles) et tous les finis de ce robinet Delta® sont protégés contre les défauts du matériau et les vices de fabrication par une garantie qui est consentie au premier acheteur et qui demeure valide tant que celui-ci demeure propriétaire de la maison dans laquelle le robinet a été installé. Dans le cas d'une utilisation commerciale, la garantie est de 5 ans à compter de la date d'achat.

Composants électroniques et piles (le cas échéant)

Si ce robinet Delta® comporte des composants électroniques, ces composants (à l'exception des piles) sont protégés contre les défauts du matériau et les vices de fabrication par une garantie consentie au premier acheteur qui est d'une durée de 5 ans à compter de la date d'achat. Dans le cas d'une utilisation commerciale, la garantie est d'un an à compter de la date d'achat. Aucune garantie ne couvre les piles.

Delta Faucet Company remplacera, GRATUITEMENT, pendant la période de garantie applicable, toute pièce ou tout fini qui présentera un défaut du matériau et/ou un vice de fabrication pour autant que le robinet ait été installé, utilisé et entretenu normalement. S'il est impossible de réparer ou de remplacer le robinet, Delta Faucet Company pourra décider de rembourser le prix d'achat du produit pour autant que celui-ci lui soit retourné. **Il s'agit de vos seuls recours.**

Delta Faucet Company recommande de confier l'installation et la réparation à un plombier professionnel. Nous vous recommandons également d'utiliser uniquement des pièces de rechange authentiques Delta®.

Delta Faucet Company se dégage de toute responsabilité à l'égard des dommages causés au robinet en raison d'un mauvais usage, d'un usage abusif, de la négligence ou de l'utilisation d'une méthode d'installation, de maintenance ou de réparation incorrecte ou inadéquate, y compris les dommages résultant du non-respect des instructions de nettoyage et d'entretien applicables.

Pour obtenir des pièces de rechange, veuillez appeler au numéro applicable ci-dessous ou écrire à l'adresse applicable ci-dessous.

Aux États-Unis et au Mexique :

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1-800-345-DELTA (3358)
customerservice@deltafaucet.com

Au Canada:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1-800-345-DELTA (3358)
customerservice@mascocanada.com

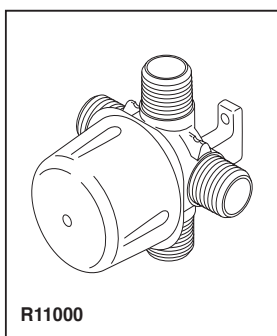
La preuve d'achat (reçu original) du premier acheteur doit être présentée à Delta Faucet Company pour toutes les demandes en vertu de la garantie, sauf si le produit a été enregistré auprès de Delta Faucet Company. La présente garantie s'applique uniquement aux robinets Delta® fabriqués après le 1er janvier 1995 et installés aux États-Unis d'Amérique, au Canada et au Mexique.

DELTA FAUCET COMPANY SE DÉGAGE DE TOUTE RESPONSABILITÉ À L'ÉGARD DES DOMMAGES PARTICULIERS, CONSÉCUTIFS OU INDIRECTS (Y COMPRIS LES FRAIS DE MAIN-D'OEUVRE) QUI POURRAIENT RÉSULTER DE LA VIOLATION D'UNE GARANTIE IMPLICITE OU EXPLICITE QUELCONQUE SUR LE ROBINET. Dans les États ou les provinces où il est interdit de limiter ou d'exclure la responsabilité à l'égard des dommages particuliers, consécutifs ou indirects, les limites et les exclusions susmentionnées ne s'appliquent pas. La présente garantie vous donne des droits précis qui peuvent varier selon l'État ou la province où vous résidez.

La présente garantie écrite est la garantie exclusive offerte par Delta Faucet Company et elle n'est pas transférable.

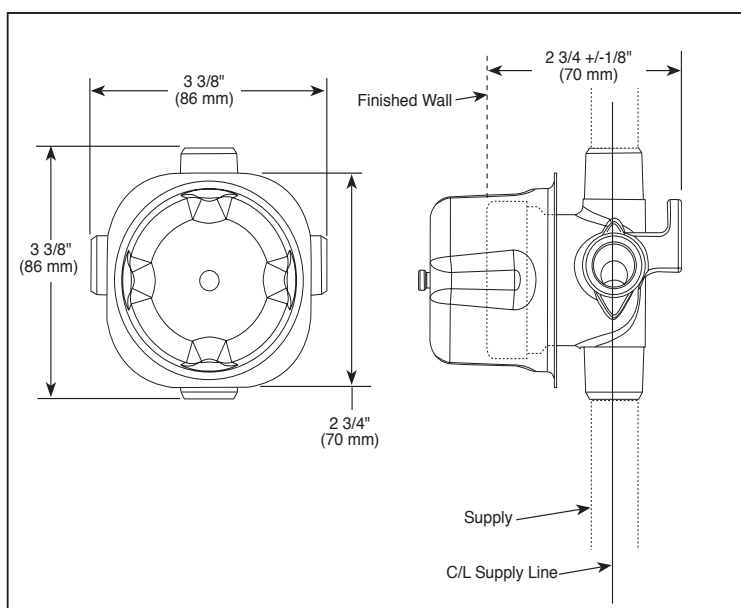
Si vous avez des questions ou des préoccupations en ce qui concerne notre garantie, veuillez consulter la page Warranty FAQs à www.deltafaucet.com, faire parvenir un courriel à customerservice@deltafaucet.com ou nous appeler au numéro applicable.

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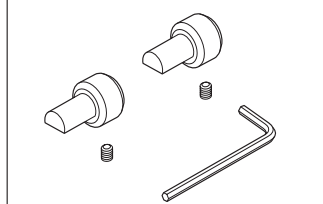


Submitted Model No.: _____

Specific Features: _____



RP75137 Available Extension Kit



Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-B-R11000 Rev. E



ROUGH VALVE BODY

- R11000 (Case Qty. 3)
- 1/2" Rough-In

STANDARD SPECIFICATIONS

- Three port diverter rough
- For use with (3) three or (6) six function diverter.
- Forged brass body
- Can be tested with air (200 psi) or water (300 psi) using supplied test cap
- Refer to the installation instructions for more details

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.

COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1



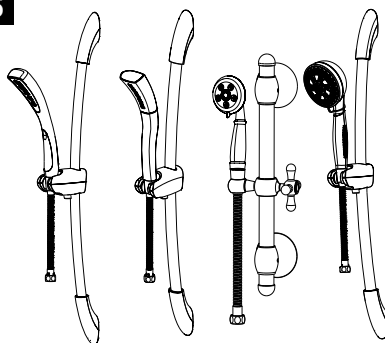
55 E. 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
© 2015 Masco Corporation of Indiana



68405

ASME A112.18.1 / CSA B125.1

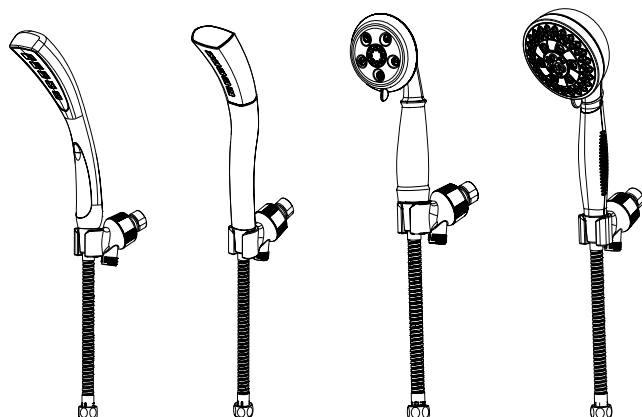
Write purchased model number here.
Escriba aquí el número del modelo comprado.
Inscrivez le numéro de modèle ici.



51105, 51205, 51308 & 51405 SERIES
WALL BAR HAND SHOWER UNIT
INSTALLATION INSTRUCTIONS

SERIES 51105, 51205, 51308 Y 51405
INSTRUCCIONES PARA LA INSTALACIÓN DE LA BARRA EN LA PARED PARA SOSTENER LA REGADERA MANUAL

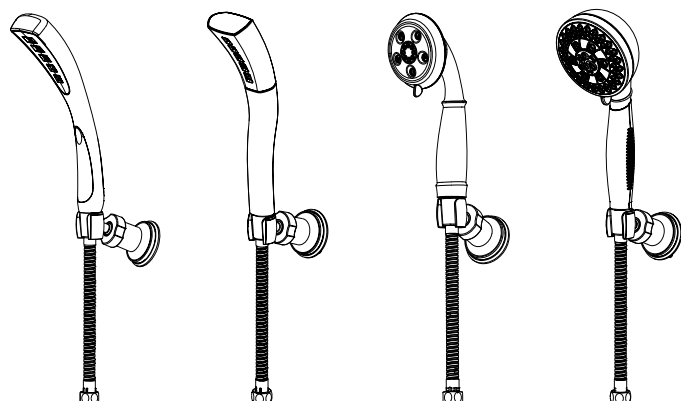
SERIA 51105, 51205, 51308 ET 51405
INSTRUCTIONS D'INSTALLATION DE LA COULISSE DE DOUCHE À MAIN



54411, 54421, 54433 & 54445 SERIES
SHOWER MOUNT HAND SHOWER
INSTALLATION INSTRUCTIONS

SERIES 54411, 54421, 54433 Y 54445
INSTRUCCIONES PARA LA INSTALACIÓN DE LA REGADERA MANUAL EN LA REGADERA

SERIA 54411, 54421, 54433 ET 54445
INSTRUCTIONS D'INSTALLATION DU PORTE-DOUCHE



55411, 55421, 55433 & 55445 SERIES
WALL MOUNT HAND SHOWER
INSTALLATION INSTRUCTIONS

SERIES 55411, 55421, 55433 Y 55445
INSTRUCCIONES PARA LA INSTALACIÓN DE LA REGADERA MANUAL EN LA PARED

SERIA 55411, 55421, 55433 ET 55445
INSTRUCTIONS D'INSTALLATION DES SUPPORTS MURAUX

For easy installation of your Delta faucet you will need:

- To **READ ALL** the instructions completely before beginning.
- To **READ ALL** warnings, care, and maintenance information.
- To purchase the correct **water supply hook-up**.

Para instalación fácil de su llave Delta usted necesitará:

- **LEER TODAS** las instrucciones completamente antes de empezar.
- **LEER TODOS** los avisos, cuidados, e información de mantenimiento.
- Comprar las conexiones correctas para el **suministro de agua**.

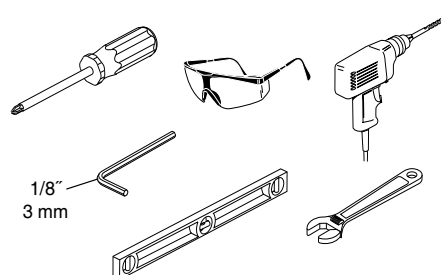
Pour installer votre robinet Delta facilement, vous devez:

- **LIRE TOUTES** les instructions avant de débiter;
- **LIRE TOUS** les avertissements ainsi que toutes les instructions de nettoyage et d'entretien;
- Acheter le bon nécessaire de raccordement.

You may need

Usted puede necesitar

Articles dont vous pouvez avoir besoin:



www.deltafaucet.com

68405

4/15/2013 Rev. C

1

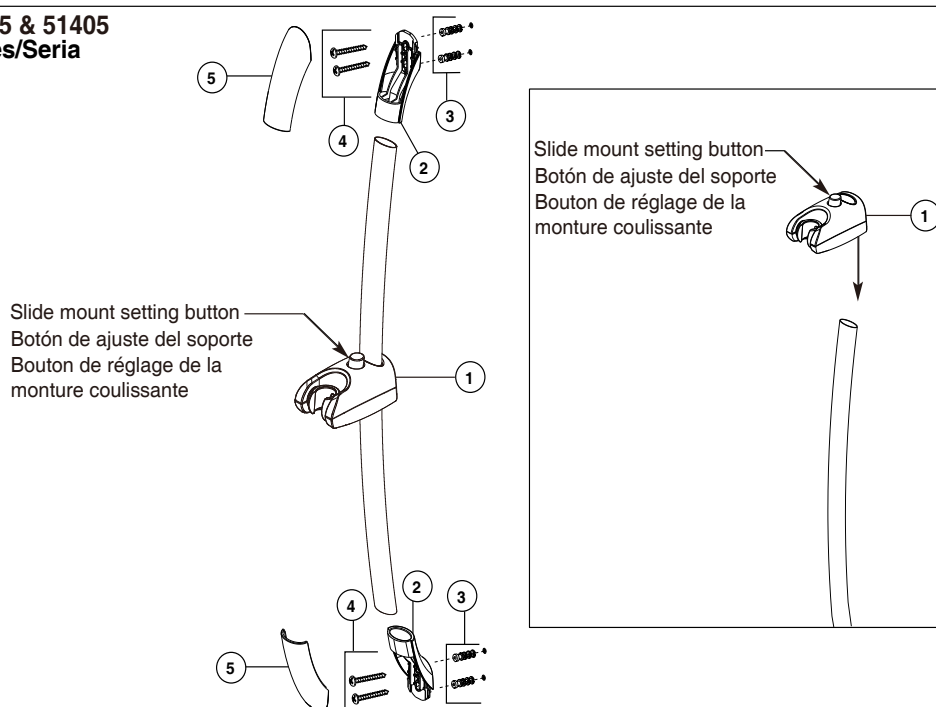
Slide Bar Barra deslizable Coulisse

Select wall position for wall bar or wall mount bracket based on family's needs. **NOTE: Locate so there will be slack in the hose when hand shower is in extreme up or down position.** Follow the mounting instructions for your specific model.

Elija la posición en la pared para la barra de pared basada en las necesidades de su familia. **NOTA: Ubíquela de manera que tenga la manguera algo floja cuando use la regadera manual, en la posición extrema hacia arriba o hacia abajo.**

Choisissez un endroit sur le mur qui convient aux besoins de votre famille. **NOTE : Laissez suffisamment de jeu au tuyau de sorte que la douche à main puisse atteindre les points inférieur et supérieur extrêmes librement.**

51105, 51205 & 51405 Series/Series/Seria



SLIDE BAR INSTALLATION

Pressing down on the Slide Mount's setting button, slide the Slide Mount (1) onto the wall bar. The slide mount must be on the bar before mounting it to the brackets. place wall brackets onto both ends of the bar mark the location for the drilled holes onto the mounting surface. Secure mounting posts (2) to wall with anchors (3) and screws (4). **Note: For ceramic tile installation, drill holes in grout (if possible) and insert anchors. For fiberglass/acrylic surfaces, use toggle bolts (not included).** Slide each bracket cover (5) over its respective wall bracket and snap into place.

INSTALACIÓN DE LA BARRA DESLIZABLE

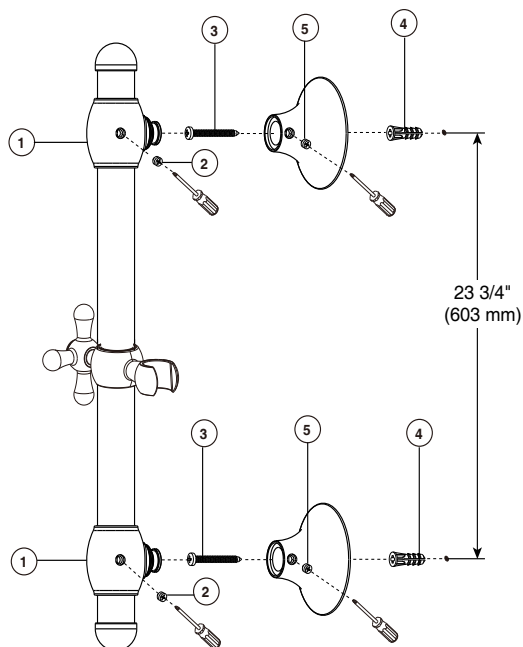
Mientras aprieta el botón de ajuste del soporte, deslice el soporte (1) en la agarradera de pared. El mecanismo de la soporte debe ser en la barra antes del montaje él a los soportes. Coloque los soportes de pared en ambos extremos de la barra y marque la ubicación de los agujeros para taladrar en la superficie de montaje. Asegure los postes del montaje (2) a la pared con las anclas (3) y los tornillos (4). **Nota: Para la instalación de la baldosa cerámica, los agujeros de taladro en lechada (si es posible) y las anclas del parte movable. Para la fibra de vidrio/las superficies de acrílico, utilice los pernos de palanca (no incluidos).** Deslice cada cubierta de soporte (5) sobre su respectivo soporte de pared y fíjelas a presión en su lugar.

INSTALLATION DE LA COULISSE

En appuyant sur le bouton de réglage de la monture coulissante, faites glisser la monture coulissante (1) sur le support mural. Le mécanisme de glissière doit être sur la barre avant le support lui aux parenthèses. Placez les supports muraux sur les deux extrémités de la barre et marquez l'emplacement des trous percés sur la surface de montage. Fixez les poteaux de support (2) au mur avec des ancrs (3) et des vis (4). **Note : Pour l'installation de carreau de céramique, les trous de foret en coulis (si possible) et les ancrs d'insertion. Pour la fibre de verre/surfaces acryliques, utilisez les boulons à bascule (non inclus).** Faites glisser chaque couvre-support (5) sur le support mural correspondant et encliquetez-le en place.

Slide Bar
Barra deslizabel
Coulisse

51308
Series/Series/Seria



SLIDE BAR INSTALLATION

Locate stud for secure mounting. The sheaths (1) are adjustable, loosen sheath set screws (2) to adjust mount location. Tighten sheath set screws once mount location is selected. Mark mounting locations, suggest 23 3/4" (603mm) on center. Loosen the escutcheon set screws (5). Remove the escutcheons from the wall bar assembly. Mount the escutcheons to the wall using the supplied screws (3) and anchors (4). Place the bar on mounted escutcheons and tighten set screws (5).

INSTALACIÓN DE LA BARRA DESLIZABLE

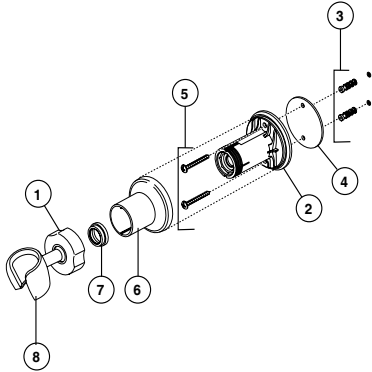
Localice el semental para un montaje seguro. Las cubiertas (1) son ajustables, afloje los tornillos de fijación (2) para modificar la ubicación de montaje. Apriete los tornillos de ajuste una vez que esté definida la ubicación de montaje. Marque las posiciones de montaje, se sugiere 23 3/4" (603mm) al centro. Afloje los tornillos de fijación de escudo (5). Retire el conjunto de los escudos de la barra de la pared. Monte los escudos en la pared utilizando los tornillos (3) y anclajes (4) suministrados. Coloque la barra en los escudos montados y aprete los tornillos de fijación (5).

INSTALLATION DE LA BARRE COULISSE

Placer les points de montage pour un montage sécurisé. La gaine (1) sont réglables, desserrez les vis de fixation (2) pour régler emplacement de montage. Serrer gaine vis de réglage une fois emplacement de montage est sélectionné. Marquez les emplacements de montage, suggèrent 23 3/4" (603mm) au centre. Desserrer les vis de fixation (5) des appliques. Enlever les appliques de l'ensemble de la barre murale. Monter les appliques au mur en utilisant les vis (3) et chevilles (4) fournies. Placer la barre sur les appliques montée et serrer les vis de fixation (5).

Wall Mount Montaje en la pared Supports Muraux

55411, 55421, 55433 & 55445
Series/Series/Seria



WALL MOUNT BRACKET INSTALLATION

Models 55411, 55421, 55433 & 55445- Select wall position for hand shower wall mount based on family's needs.

Remove the locknut (1) from the bracket (2). Using the bracket (2), mark the 2 holes in the desired location. Remove the bracket and drill 1/4" holes. Insert anchors (3).

Note: For ceramic tile installation, drill holes in grout (if possible) and insert anchors. For fiberglass/acrylic surfaces, use toggle bolts (not included).

Secure the wall bracket (2) and gasket (4) with the screws (5) provided. Slide the bracket cover (6) over the bracket. Install glider (7). Install hand shower mount (8) onto bracket (2). Secure locknut (1).

INSTALACIÓN DEL MONTAJE EN LA PARED

Modelos 55411, 55421, 55433 y 55445- Posición selecta de la pared para el montaje de la pared de la ducha de la mano basado en las necesidades de la familia. Quite la tuerca de fijación (1) del soporte (2). Usando el soporte (2), marque los 2 agujeros en la localización deseada. Quite el soporte y el taladro 1/4" agujeros. Inserte las anclas (3).

Nota: Para la instalación de la baldosa cerámica, los agujeros de taladro en lechada (si es posible) y las anclas del parte móvil. Para la fibra de vidrio/las superficies de acrílico, utilice los pernos de palanca (no incluidos).

Asegure el soporte de pared (2) y la junta (4) con los tornillos (5) proporcionados. Deslice la cubierta del soporte (6) sobre el soporte. Instale el anillo del deslizamiento (7). Instale el montaje de la ducha de la mano (8) sobre el soporte (2). Asegure la tuerca de fijación (1).

INSTALLATION DES SUPPORTS MURAUX

Modèles 55411, 55421, 55433 et 55445- Position choisie de mur pour le bâti de mur de douche de main basé sur les besoins de la famille. Enlevez le contre-écrou (1) de la parenthèse (2). Utilisant la parenthèse (2), marquez les 2 trous dans l'endroit désiré. Enlevez la parenthèse et le foret 1/4"; trous. Insérez les ancrés (3).

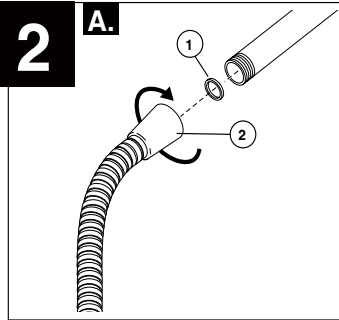
Note : Pour l'installation de carreau de céramique, les trous de foret en coulis (si possible) et les ancrés d'insertion.

Pour la fibre de verre/surfaces acryliques, utilisez les boulons à bascule (non inclus).

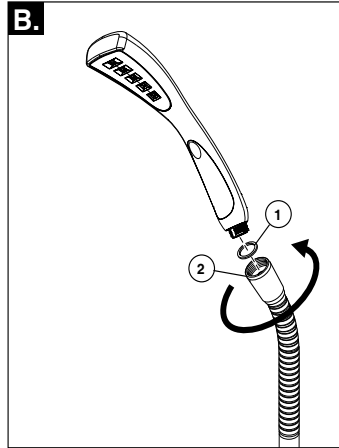
Fixez la parenthèse de mur (2) et la garniture (4) avec les vis (5) fournies. Glissez la couverture de parenthèse (6) au-dessus de la parenthèse. Installez l'anneau de glissement (7). Installez le bâti de douche de main (8) sur la parenthèse (2). Fixez le contre-écrou (1).

2

A.



B.



A. Ensure gasket (1) is inserted into the hose (2). Connect the hose to your designated water supply.

B. Connect tapered end of hose to hand shower: Seat the gasket (1) firmly into the hose nut (2). Carefully align the thread of the tapered end of the hose (2) directly to the hand shower. **Hand Tighten – do not use a wrench or pliers.** Then place the hand shower into the wall mount holder.

A. Asegúrese que el empaque o junta (1) esté introducido dentro de la manguera (2). Conecte la manguera al suministro de agua designado.

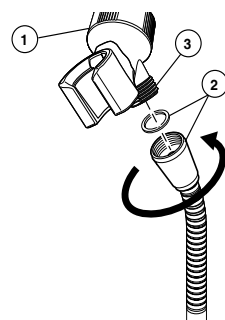
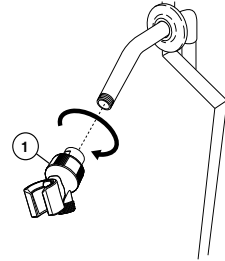
B. Conecte el extremo estrecho de la manguera a la regadera manual: Asiente la arandela (1) firmemente en la tuerca de la manguera (2). Cuidadosamente, alinee el enrosque del extremo estrecho de la manguera (2) directamente a la regadera manual. **Apriete a mano – no use llave de tuercas o alicates.** Luego coloque la regadera manual en el sujetador en la barra de la pared.

A. Assurez-vous que le joint (1) est inséré dans le tuyau souple (2). Raccordez le tuyau souple au tuyau d'alimentation en eau.

B. Raccordez l'embout conique du tuyau souple à la douche à main : Mettez solidement en place la rondelle (1) dans l'écrou (2) du tuyau souple. Alignez soigneusement le filetage de l'embout conique du tuyau souple (2) directement avec la douche à main. **Serrez à la main – n'utilisez pas de clé ni de pince.** Placez ensuite la douche à main dans le porte-douche.

Shower Mount Regadera en la pared Porte-douche

54411, 54421, 54433 & 54445
Series/Series/Seria



SHOWER MOUNT INSTALLATION

Models 54411, 54421, 54433 & 54445 - Remove present shower head. Screw the hand shower bracket (1) to the shower arm. Attach the shower hose and gasket (2) to the threaded connection (3) on the bottom of the bracket.

INSTALACIÓN DE LA REGADERA EN LA PARED

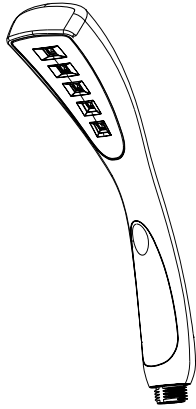
Modelos 54411, 54421, 54433 y 54445- Quite la cabeza de la regadera existente. Atornille el sujetador de la regadera manual (1) al brazo de la regadera. Conecte la manguera de la regadera y el empaque (2) a la conexión roscada (3) en la parte inferior del sujetador.

INSTALLATION DU PORTE-DOUCHE

Modèles 54411, 54421, 54433 et 54445-

Enlevez la pomme de douche existante. Vissez la fixation de la douche à main (1) au manchon fileté de la douche. Fixez le tuyau souple de la douche et le joint (2) au raccord fileté (3) au bas de la fixation.

51105, 54411 & 55411
Series/Series/Seria



Contemporary Hand Piece 1 Setting
Pieza de Mano Contemporary 1 Ajustes
Douche à main Contemporary 1 réglages

59411 ▲ -PK
Hand Held Shower
Regadera de Mano
Douche à main

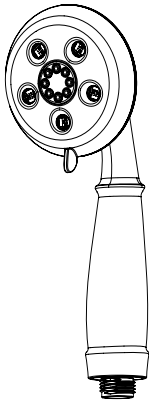
51205, 54421 & 55421
Series/Series/Seria



Ribbon Hand Piece 1 Setting
Pieza de Mano Ribbon 1 Ajustes
Douche à main Ribbon 1 réglages

59421 ▲ -PK
Hand Held Shower
Regadera de Mano
Douche à main

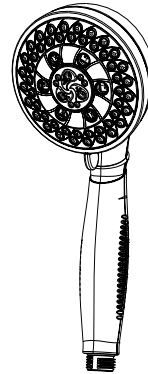
51308, 54433 & 55433
Series/Series/Seria



Round Traditional Hand Piece 3 Setting
Pieza de Mano Round Traditional 3 Ajustes
Douche à main Round Traditional 3 réglages

59433 ▲ -PK
Hand Held Shower
Regadera de Mano
Douche à main

51405, 54445 & 55445
Series/Series/Seria



Round Traditional Hand Piece 5 Setting
Pieza de Mano Round Traditional 5 Ajustes
Douche à main Round Traditional 5 réglages

59445 ▲ -PK
Hand Held Shower
Regadera de Mano
Douche à main

▲ Specify Finish
▲ Especificar el Acabado
▲ Précisez le Fini

CLEANING AND CARE

Care should be given to the cleaning of this product. Although its finish is extremely durable, it can be damaged by harsh abrasives or polish. To clean, simply wipe gently with a damp cloth and blot dry with a soft towel.

Limited Warranty on Delta® Faucets

Parts and Finish

All parts (other than electronic parts and batteries) and finishes of this Delta® faucet are warranted to the original consumer purchaser to be free from defects in material and workmanship for as long as the original consumer purchaser owns the home in which the faucet was first installed or, for commercial users, for 5 years from the date of purchase.

Electronic Parts and Batteries (if applicable)

Electronic parts (other than batteries), if any, of this Delta® faucet are warranted to the original consumer purchaser to be free from defects in material and workmanship for 5 years from the date of purchase or, for commercial users, for one year from the date of purchase. No warranty is provided on batteries.

Delta Faucet Company will replace, FREE OF CHARGE, during the applicable warranty period, any part or finish that proves defective in material and/or workmanship under normal installation, use and service. If repair or replacement is not practical, Delta Faucet Company may elect to refund the purchase price in exchange for the return of the product. **These are your exclusive remedies.**

Delta Faucet Company recommends using a professional plumber for all installation and repair. We also recommend that you use only genuine Delta® replacement parts.

Delta Faucet Company shall not be liable for any damage to the faucet resulting from misuse, abuse, neglect or improper or incorrectly performed installation, maintenance or repair, including failure to follow the applicable care and cleaning instructions.

Replacement parts may be obtained by calling the applicable number below or by writing to:

In the United States and Mexico:

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1-800-345-DELTA (3358)
customerservice@deltafaucet.com

In Canada:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1-800-345-DELTA (3358)
customerservice@mascocanada.com

Proof of purchase (original sales receipt) from the original purchaser must be made available to Delta Faucet Company for all warranty claims unless the purchaser has registered the product with Delta Faucet Company. This warranty applies only to Delta® faucets manufactured after January 1, 1995 and installed in the United States of America, Canada and Mexico.

DELTA FAUCET COMPANY SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING LABOR CHARGES) FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THE FAUCET. Some states/provinces do not allow the exclusion or limitation of special, incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you special legal rights. You may also have other rights which vary from state/province to state/province.

This is Delta Faucet Company's exclusive written warranty and the warranty is not transferable.

If you have any questions or concerns regarding our warranty, please view our Warranty FAQs at www.deltafaucet.com, email us at customerservice@deltafaucet.com or call us at the applicable number above.

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LIMPIEZA Y CUIDADO DE SU LLAVE

Tenga cuidado al ir a limpiar este producto. Aunque su acabado es sumamente durable, puede ser afectado por agentes de limpieza o para pulir abrasivos. Para limpiar su llave, simplemente frótele con un trapo húmedo y luego séquela con una toalla suave.

Garantía Limitada de las Llaves de Agua (grifos) Delta®

Piezas y acabado

Todas las piezas (excepto las piezas electrónicas y las pilas) y los acabados de esta llave de agua Delta® están garantizados al consumidor comprador original de estar libres de defectos en material y fabricación durante el tiempo que el comprador original posea la vivienda en la que la llave de agua fue originalmente instalada o, para los consumidores comerciales, durante 5 años a partir de la fecha de compra.

Componentes electrónicos y pilas (si aplicable)

Todas las piezas (salvo las pilas), si hay, de esta llave de agua Delta® están garantizadas al consumidor comprador original de estar libres de defectos en materiales y fabricación durante 5 años a partir de la fecha de compra o, para los usuarios comerciales, por un año a partir de la fecha de compra. No se garantizan las pilas.

Delta Faucet Company reemplazará, SIN CARGO, durante el período de garantía aplicable, cualquier pieza o acabado que pruebe tener defectos de material y/o fabricación bajo la instalación, uso y servicio normal. Si la reparación o su reemplazo no es práctico, Delta Faucet Company tiene la opción de reembolsarle su dinero por la cantidad del precio de compra a cambio de la devolución del producto. **Estos son sus únicos recursos.**

Delta Faucet Company recomienda que use los servicios de un plomero profesional para todas las instalaciones y reparaciones. También le recomendamos que utilice sólo las piezas de repuesto originales de Delta®.

Delta Faucet Company no será responsable por cualquier daño a la llave de agua que resulte del mal uso, abuso, negligencia o mala instalación o mantenimiento o reparación incorrecta, incluyendo el no seguir los cuidados aplicables y las instrucciones de limpieza.

Las piezas de repuesto se pueden obtener llamando al número correspondiente más abajo, o escribiendo a:

En los Estados Unidos y México:

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1 800 345 DELTA (3358)
customerservice@deltafaucet.com

En Canadá:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1 800 345 DELTA (3358)
customerservice@mascocanada.com

La prueba de compra (recibo original) del comprador original debe ser disponible a Delta Faucet Company para todos los reclamos a menos que el comprador haya registrado el producto con Delta Faucet Company. Esta garantía le aplica sólo a las llaves de agua de Delta® fabricadas después del 1 de enero 1995 e instaladas en los Estados Unidos de América, Canadá y México.

DELTA FAUCET COMPANY NO SE HACE RESPONSABLE POR CUALQUIER DAÑO ESPECIAL, INCIDENTAL O CONSECUENTE (INCLUYENDO LOS GASTOS DE MANO DE OBRA) POR EL INCUMPLIMIENTO DE CUALQUIER GARANTÍA EXPRESA O IMPLÍCITA DE LA LLAVE DE AGUA. Algunos estados/provincias no permiten la exclusión o limitación de daños especiales, incidentales o consecuentes, por lo que estas limitaciones y exclusiones pueden no aplicarle a usted. Esta garantía le otorga derechos legales. Usted también puede tener otros derechos que varían de estado/provincia a estado/provincia.

Esta es la garantía exclusiva por escrito de Delta Faucet Company y la garantía no es transferible.

Si usted tiene alguna pregunta o inquietud acerca de nuestra garantía, por favor, vea nuestra sección de preguntas frecuentes FAQ sobre la garantía en www.deltafaucet.com, también puede enviarnos un correo electrónico a customerservice@deltafaucet.com o llámenos al número que le corresponda anteriormente incluido.

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INSTRUCTIONS DE NETTOYAGE

Il faut le nettoyer avec soin. Même si son fini est extrêmement durable, il peut être abîmé par des produits fortement abrasifs ou des produits de polissage. Il faut simplement le frotter doucement avec un chiffon humide et le sécher à l'aide d'un chiffon doux.

Garantie limitée des robinets Delta®

Pièces et finis

Toutes les pièces (à l'exception des composants électroniques et des piles) et tous les finis de ce robinet Delta® sont protégés contre les défauts du matériel et les vices de fabrication par une garantie qui est consentie au premier acheteur et qui demeure valide tant que celui-ci demeure propriétaire de la maison dans laquelle le robinet a été installé. Dans le cas d'une utilisation commerciale, la garantie est de 5 ans à compter de la date d'achat.

Composants électroniques et piles (le cas échéant)

Si ce robinet Delta® comporte des composants électroniques, ces composants (à l'exception des piles) sont protégés contre les défauts du matériel et les vices de fabrication par une garantie consentie au premier acheteur qui est d'une durée de 5 ans à compter de la date d'achat. Dans le cas d'une utilisation commerciale, la garantie est d'un an à compter de la date d'achat. Aucune garantie ne couvre les piles.

Delta Faucet Company remplacera, GRATUITEMENT, pendant la période de garantie applicable, toute pièce ou tout fini qui présentera un défaut du matériel et/ou un vice de fabrication pour autant que le robinet ait été installé, utilisé et entretenu normalement. S'il est impossible de réparer ou de remplacer le robinet, Delta Faucet Company pourra décider de rembourser le prix d'achat du produit pour autant que celui-ci lui soit retourné. **Il s'agit de vos seuls recours.**

Delta Faucet Company recommande de confier l'installation et la réparation à un plombier professionnel. Nous vous recommandons également d'utiliser uniquement des pièces de rechange authentiques Delta®.

Delta Faucet Company se dégage de toute responsabilité à l'égard des dommages causés au robinet en raison d'un mauvais usage, d'un usage abusif, de la négligence ou de l'utilisation d'une méthode d'installation, de maintenance ou de réparation incorrecte ou inadéquate, y compris les dommages résultant du non-respect des instructions de nettoyage et d'entretien applicables.

Pour obtenir des pièces de rechange, veuillez appeler au numéro applicable ci-dessous ou écrire à l'adresse applicable ci-dessous.

Aux États-Unis et au Mexique :

Delta Faucet Company
Product Service
55 E. 111th Street
Indianapolis, IN 46280
1-800-345-DELTA (3358)
customerservice@deltafaucet.com

Au Canada:

Masco Canada Limited, Plumbing Group
Technical Service Centre
350 South Edgeware Road
St. Thomas, Ontario, Canada N5P 4L1
1-800-345-DELTA (3358)
customerservice@mascocanada.com

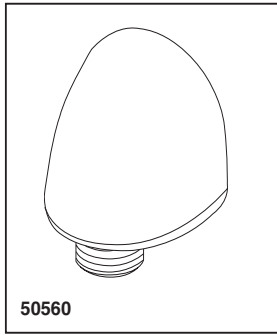
La preuve d'achat (reçu original) du premier acheteur doit être présentée à Delta Faucet Company pour toutes les demandes en vertu de la garantie, sauf si le produit a été enregistré auprès de Delta Faucet Company. La présente garantie s'applique uniquement aux robinets Delta® fabriqués après le 1er janvier 1995 et installés aux États-Unis d'Amérique, au Canada et au Mexique.

DELTA FAUCET COMPANY SE DÉGAGE DE TOUTE RESPONSABILITÉ À L'ÉGARD DES DOMMAGES PARTICULIERS, CONSÉCUTIFS OU INDIRECTS (Y COMPRIS LES FRAIS DE MAIN-D'OEUVRE) QUI POURRAIENT RÉSULTER DE LA VIOLATION D'UNE GARANTIE IMPLICITE OU EXPLICITE QUELCONQUE SUR LE ROBINET. Dans les États ou les provinces où il est interdit de limiter ou d'exclure la responsabilité à l'égard des dommages particuliers, consécutifs ou indirects, les limites et les exclusions susmentionnées ne s'appliquent pas. La présente garantie vous donne des droits précis qui peuvent varier selon l'État ou la province où vous résidez.

La présente garantie écrite est la garantie exclusive offerte par Delta Faucet Company et elle n'est pas transférable.

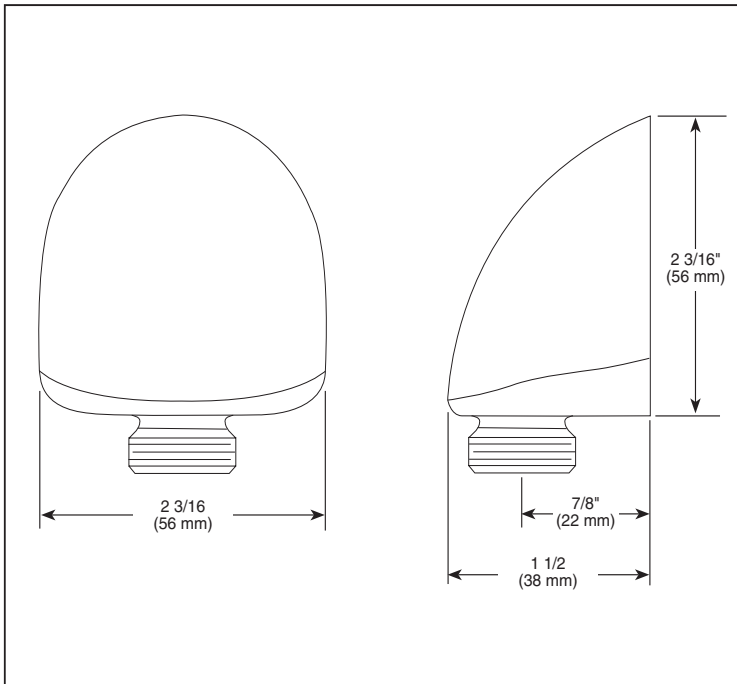
Si vous avez des questions ou des préoccupations en ce qui concerne notre garantie, veuillez consulter la page Warranty FAQs à www.deltafaucet.com, faire parvenir un courriel à customerservice@deltafaucet.com ou nous appeler au numéro applicable.

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Submitted Model No.: _____

Specific Features: _____



ELBOW

STANDARD SPECIFICATIONS

- Solid brass construction.
- 1/2" female NPT inlet.
- 1/2" male NPSM outlet for connecting to shower hoses.

WARRANTY

- Lifetime Faucet and Finish Limited Warranty to the original consumer purchaser to be free from defects in material and workmanship.
- 5 Year Limited Warranty for usage in all industrial, commercial and business applications.

COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

DSP-B-50560 Rev. A



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SR-2 SHOWER

VENDOR PART	VENDOR	DESCRIPTION	PAGE
72121100-0	STERLING PLUMBI	ENSEMBLE, SERIES 7212, 48" X 34" SHOW...	97
T14259-SSLHD	DELTA	MONITOR 14 SERIES SHOWER TRIM - LESS...	99
R10000-MFWS	DELTA	MULTICHOICE UNIVERSAL TUB AND SHOWER...	100
52637-SS15-PK	DELTA	H2OKINETIC 5-SETTING SHOWER HEAD	101



ENSEMBLE™

Features

- Compression molded from our exclusive solid Vikrell® material
- Available with tile or curve wall surrounds
- Durable high-gloss finish
- 10-year consumer/3-year commercial limited warranty
- 48-1/4" (122.6 cm) x 34" (86.4 cm) x 5-1/2" (14 cm) receptor rough-in dimensions include nailing flange
- 48" (121.9 cm) x 34" (86.4 cm) x 4-1/2" (11.4 cm) receptor finished dimensions

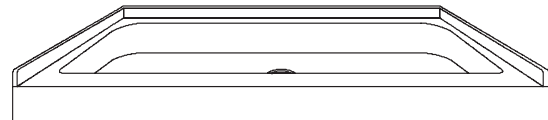
48" (121.9 cm) SHOWER RECEPTOR 72121100



Codes/Standards Applicable

Specified model meets or exceeds the following:

- ANSI Z124.1.2
- CSA B45
- ASTM E162
- ASTM E662



Colors/Finishes

- 0: White
- Other: Refer to Price Book for additional colors/finishes

Specified Model

Model	Description	Colors/Finishes	
72121100	48" (121.9 cm) shower receptor	☐ 0	☐ Other_____

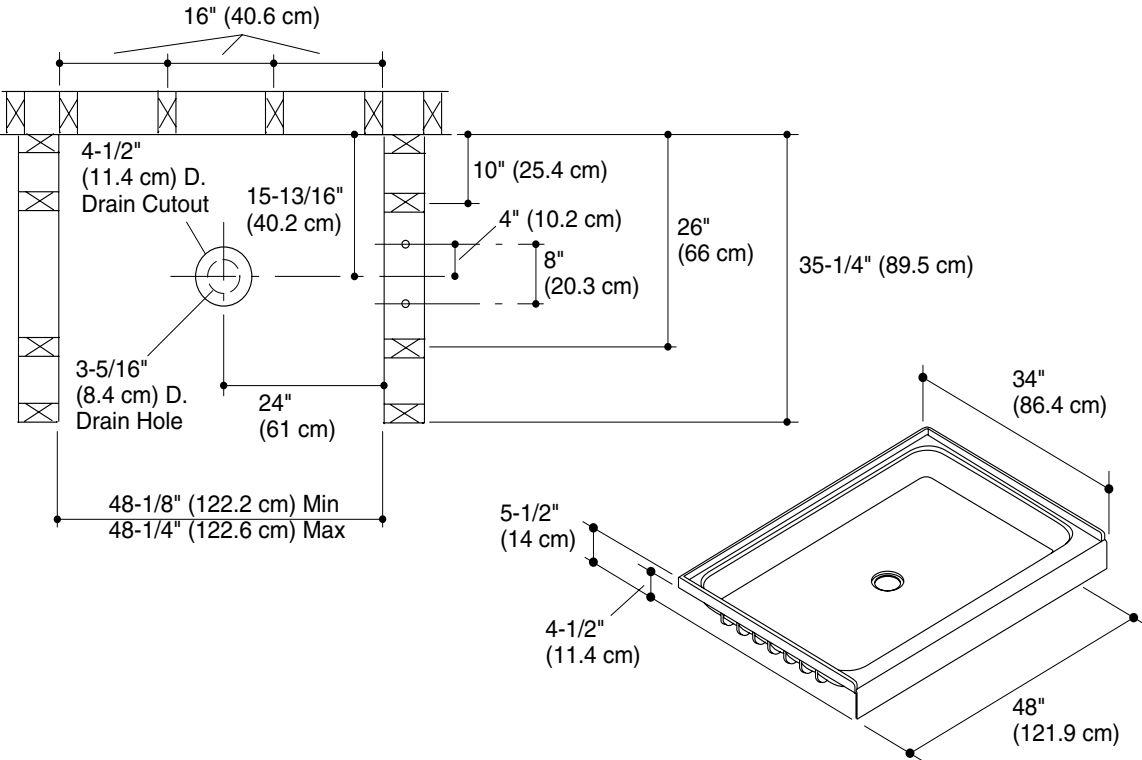
ENSEMBLE™

Technical Information

Model	door maximum width	door maximum height
72121100	*44-5/8" (113.3 cm)	*NA
* Varies with alternative walls.		

Installation Notes

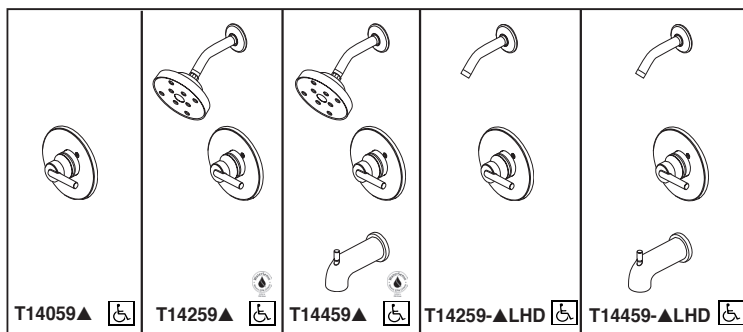
Install this product according to the installation guide.
Size the drain cutout to fit the drain assembly that will be used.
Double studding is recommended for pivot shower door installations.
Studs should be positioned roughly as shown.



Product Diagram

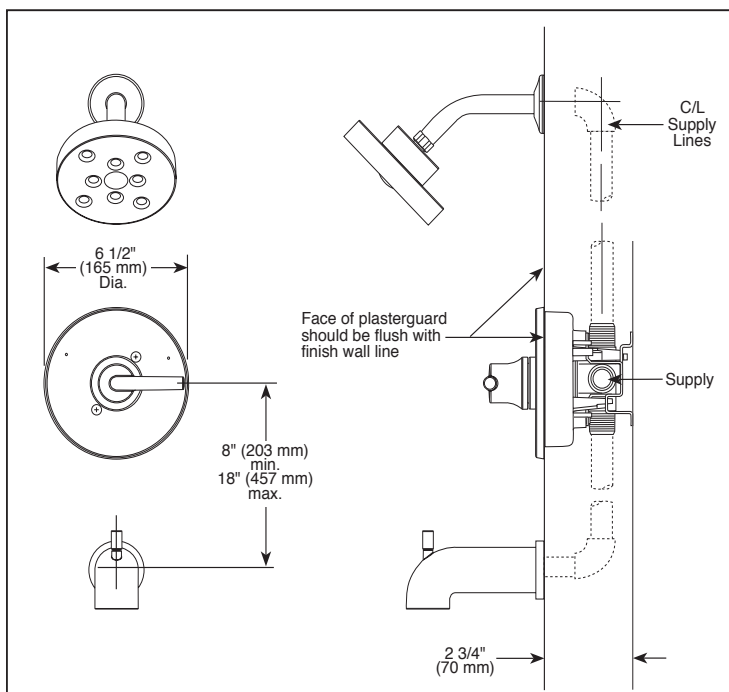
ENSEMBLE™ 48" (121.9 cm) SHOWER RECEPTOR
Page 2 of 2
1032666-4-D



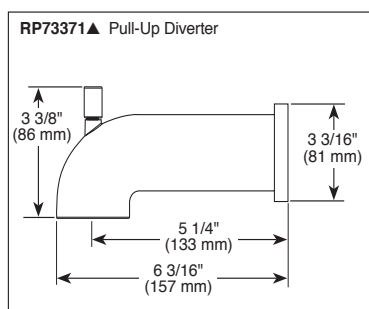
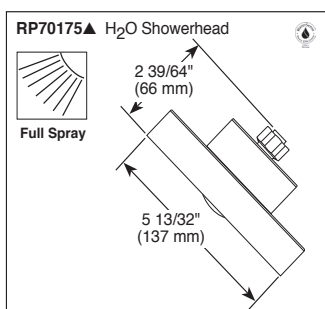


Submitted Model No.: _____

Specific Features: _____



▲ Designate Proper Finish Suffix



TUB AND SHOWER FAUCET TRIM

- Trinsic™ Bath Collection
- Valve Only (T14059)
- Shower Only (T14259)
- Tub/Shower (T14459)

STANDARD SPECIFICATIONS:

- Pressure balanced single handle bath mixing valve trim.
- Temperature only controlled with handle.
- Field adjustable means to limit handle rotation into hot water zone.
- 120° maximum handle rotation.
- All parts replaceable from the front of the valve.
- For use with MultiChoice® Universal rough valve body. (R10000 Series)
- Lever handle.
- Single function H₂Okinetic Technology® showerhead; 2.0 gpm @ 80 PSI.
- Maintains a balanced pressure of hot and cold water even when a valve is turned on or off elsewhere in the system.
- Red/blue pad print temperature indicators on escutcheon.
- "LHD" models indicate less showerhead.

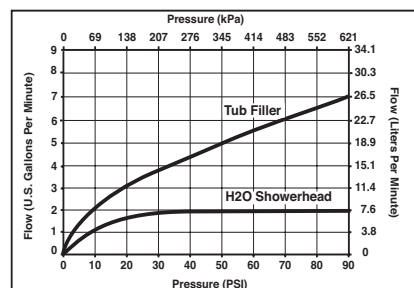
WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes; or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.



COMPLIES WITH:

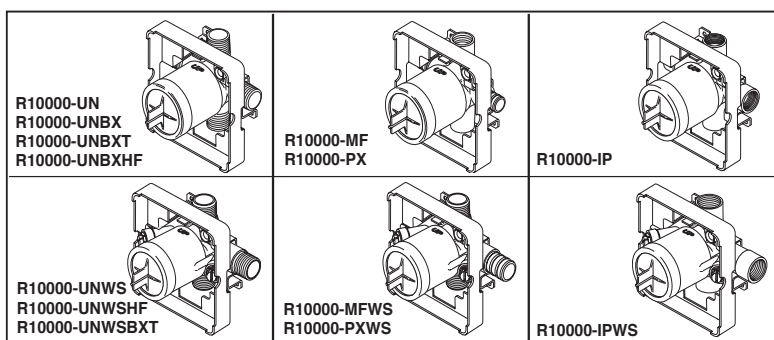
- ASME A112.18.1 / CSA B125.1
- ASSE 1016
- Indicates compliance to ICC/ANSI A117.1
- EPA WaterSense®



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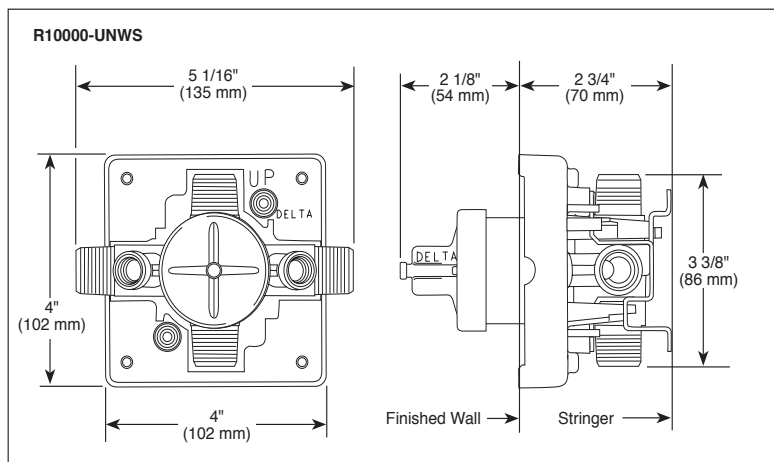
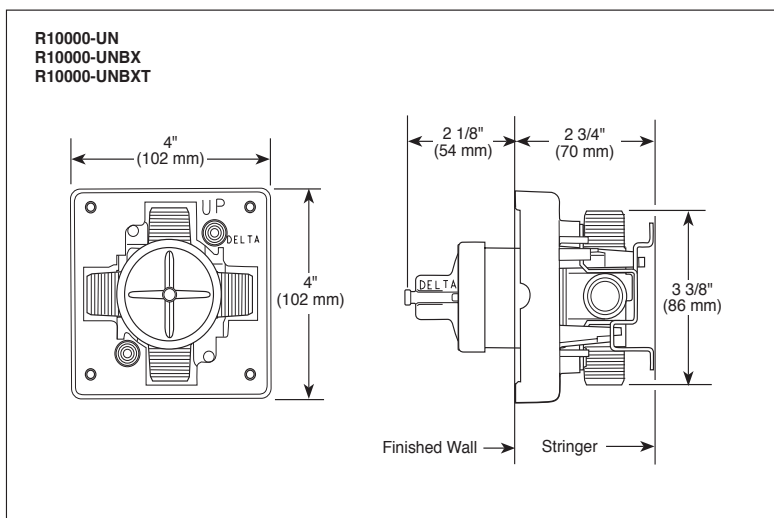
Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-B-T14059 Rev. D



Submitted Model No.: _____

Specific Features: _____



Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability2

DSP-B-R10000 Rev. H

DELTA

MULTICHOICE® UNIVERSAL ROUGH VALVE BODY

- R10000-UN (Universal Inlets/Outlets)
- R10000-UNBX (Universal Single Box Model)
- R10000-UNBXHF (High Flow Shower Only)
- R10000-UNBXT (Thin Wall)
- R10000-UNWS (Universal with Stops)
- R10000-UNWSHF (High Flow with Stops)
- R10000-UNWSBXT (Thin Wall with Stops)
- R10000-PX (Pex Crimp Connections with UN Outlets)
- R10000-PXWS (Pex Crimp Connections with Stop with UN Outlets)
- R10000-IP (IPS Inlets/Outlets)
- R10000-IPWS (IPS with Stops)
- R10000-MF (Pex Cold Expansion Connections with UN Outlets)
- R10000-MFWS (Pex Cold Expansion with Stops with UN Outlets)

STANDARD SPECIFICATIONS:

- Forged brass body.
- Back-to-Back installation capabilities.
- Can be tested with air (200 PSI) or water (300 PSI) without valve using supplied test cap.
- Square plasterguard allows for right angle cuts.
- Thin wall mounting.
- For use with MultiChoice® Universal single or dual function trim. Cartridge ships with trim.
- 1/2" outlets and connections.

Note: No tub outlet in HF model.

Note: Should use proper fitting with each type (copper tubing, iron pipe, and pex fitting).

Note: Should use proper tooling with crimping pex fitting and cold expansion pex models.

Note: IP indicates female 1/2" threaded connections.

Note: UN indicates Universal type fitting and is 1/2" NPT male thread with 1/2" C.W.T. female sweat.

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.

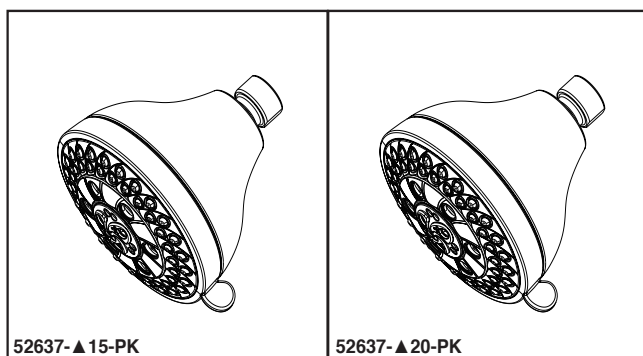


COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1

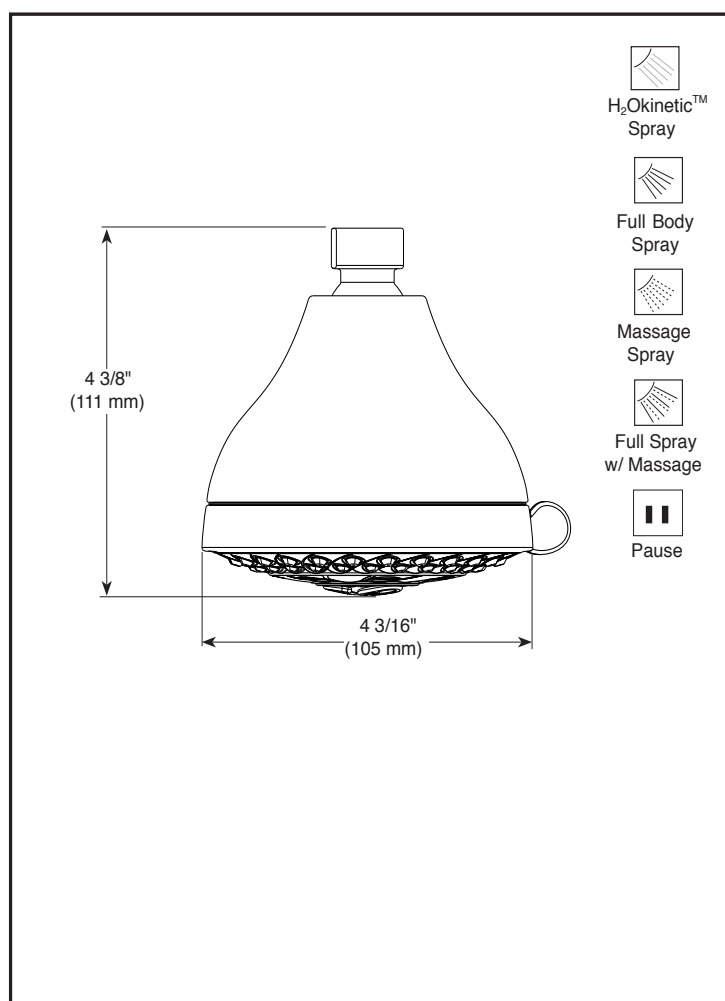


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Submitted Model No.: _____

Specific Features: _____



▲ Designate proper finish suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-B-52637-15-PK Rev. C



SHOWERHEAD

- H₂Okinetic Technology® Showerhead
- 5-Spray Setting Showerhead
- Touch-Clean® Nozzles

STANDARD SPECIFICATIONS:

- ABS showerhead with five settings – not a positive shut-off.
- Standard 1/2" pipe fitting.
- Easy-turn spray dial.
- Metal ball connector for durability. Easy installation.
- Maximum flow rate 2.0 gpm (7.6L/min) @ 80 PSI. (52637-▲20-PK only)
- Maximum flow rate 1.5 gpm (5.7L/min) @ 80 PSI. (52637-▲15-PK only)

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes; or, for commercial users, for 5 years from the date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.



COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- EPA WaterSense®



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SK-1 ADA GUEST ROOM KITCHEN SINK

VENDOR PART	VENDOR	DESCRIPTION	PAGE
ELUHAD211545	ELKAY	GOURMET (LUSTERTONE) STAINLESS STEEL ...	103
1353-AR-DST	DELTA	SINGLE HANDLE KITCHEN FAUCET	105
BADGER5	INSINKERATOR	1/2 HP FOOD WASTE DISPOSER	106
704-1	OATEY MANUFACTU	1-1/2" P-TRAPS WITHOUT CLEANOUT	107
Z8804-XL-LR	ZURN	STANDARD STOP WITH FLEXIBLE LAVATORY ...	108

ELKAY®

SPECIFICATIONS

Gourmet (Lustertone®) Stainless Steel Single Bowl Undermount Sink Model(s) ELUHAD211545

PRODUCT SPECIFICATIONS

Gourmet (Lustertone®) Stainless Steel Single Bowl Undermount Sink. Overall dimensions are 23-1/2" x 18-1/4" x 4-3/8". Sink is manufactured from 18 gauge 304 Stainless Steel with a Lustrous Highlighted Satin finish, Rear Center drain placement and Full spray sides and bottom.

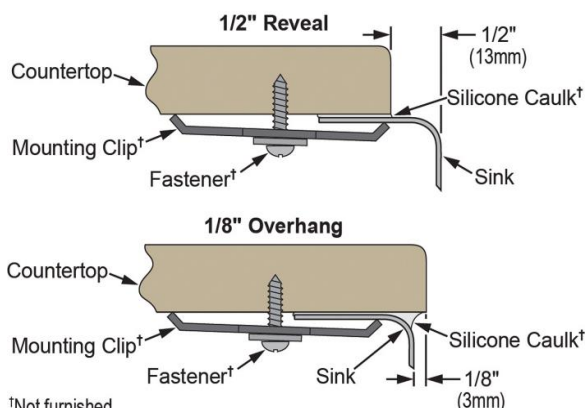
Installation Type:	Undermount
Material:	304 Stainless Steel
Finish:	Lustrous Highlighted Satin
Gauge:	18
Sound Deadening:	Full spray sides and bottom
Number of Bowls:	1
Sink Dimensions:	23-1/2" x 18-1/4" x 4-3/8"
Bowl 1 Dimensions:	21" x 15-3/4" x 4-3/8"
Drain Size:	3-1/2" (89mm)
Drain Location:	Rear Center
Minimum Cabinet Size:	27"
Mounting Hardware:	Undermount brackets sold separately
Template Included:	Yes
Cutout Template #:	1000001400

Template is available for download at elkay.com



This sink is compliant to ADA and ANSI/ICC A117.1 accessibility requirements when installed according to the requirements outlined in these standards.

Installation Profile:



AMERICAN PRIDE. A LIFETIME TRADITION.

Like your family, the Elkay family has values and traditions that endure. For almost a century, Elkay has been a family-owned and operated company, providing thousands of jobs that support our families and communities.

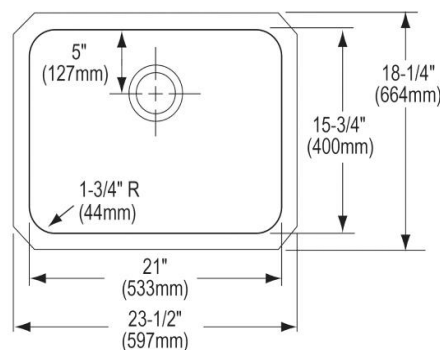


Sinks are listed by IAPMO® as meeting the applicable requirements of the Uniform Plumbing Code®, International Plumbing Code®, and National Plumbing Code of Canada.

Product Compliance: ADA
BUY AMERICAN ACT
ASME A112.19.3/CSA B45.4

[Clean and Care Manual \(PDF\)](#)
[Installation Instructions \(PDF\)](#)
[Limited Lifetime Warranty \(PDF\)](#)

Similar models are available with: additional ADA depths, Perfect Drain



PART: _____ QTY: _____

PROJECT: _____

CONTACT: _____

DATE: _____

NOTES: _____

APPROVAL: _____

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkay.com for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

Elkay REV 11092015
elkay.com/eluhad211545

2222 Camden Court
Oak Brook, IL 60523

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ELUHAD211545_spec.pdf

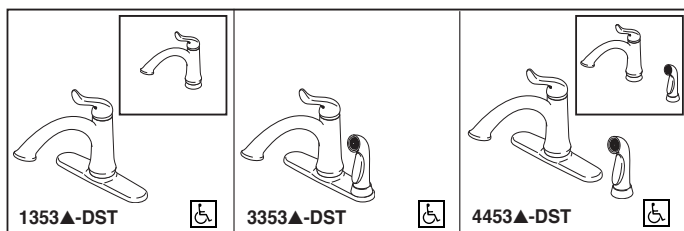
ELKAY®
SPECIFICATIONS

Gourmet (Lustertone®) Stainless Steel
Single Bowl Undermount Sink
Model(s) ELUHAD211545

OPTIONAL ACCESSORIES

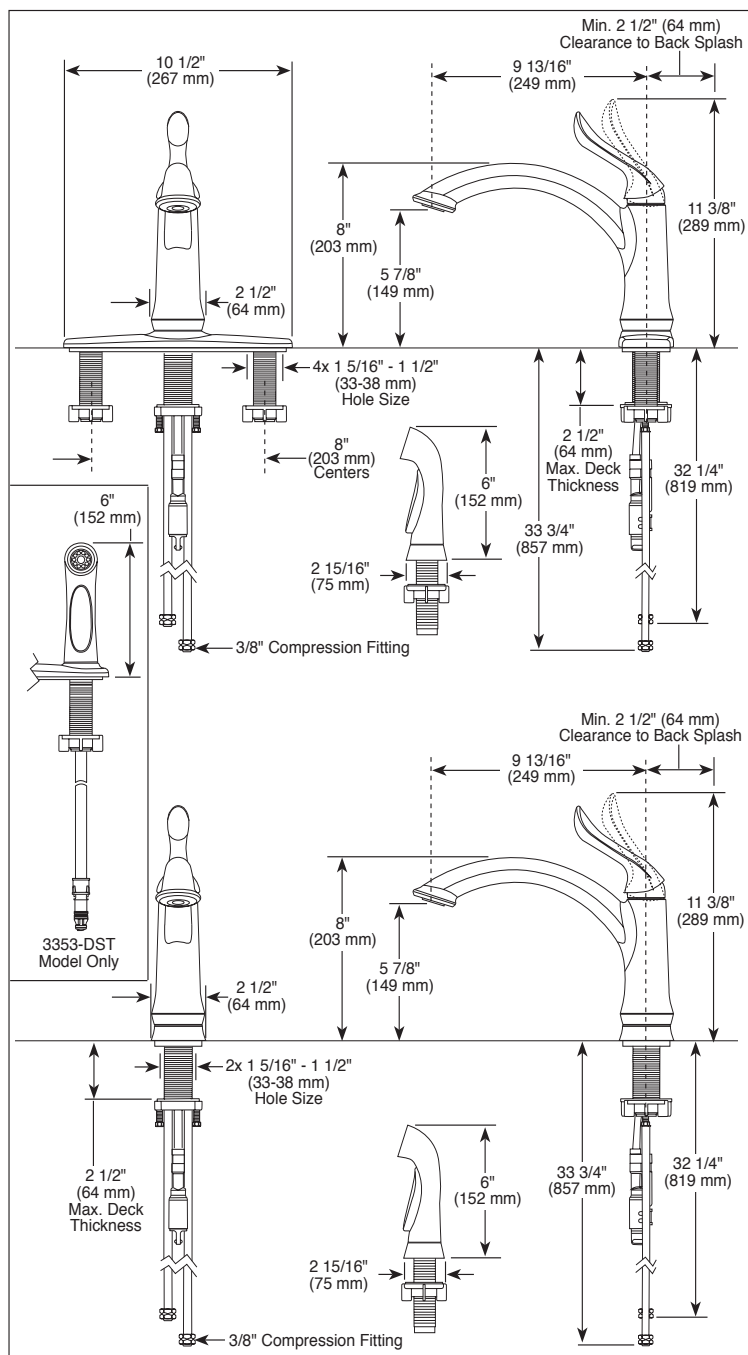
Bottom Grid:	LKWOBG2115SS
Cutting Board:	CB1516*
Drain:	LK99, LKAD35
Faucet:	LKGT1041, LKGT2041
Hardware:	LKUCLIP8
Rinsing Basket:	LKWRB2115SS, LKWERBSS
Sinkmate:	LKSM17, LKSMHOOK, LKSMSPONGE, LKSMHSL
Soap Dispenser:	LKGT1054
* 1/2" sink reveal required for proper fit.	

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkay.com for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.



Submitted Model No.: _____

Specific Features: _____



▲ Designate Proper Finish Suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See full-line price book or www.deltafaucet.com for finish options and product availability.
DSP-K-1353-DST Rev. C



KITCHEN FAUCETS

- Linden™ Series
- Single Handle Deck Mount
- 1, 2, 3 or 4 Hole Sink Applications
- DIAMOND Seal® Technology
- Integrated Supply Tubes

STANDARD SPECIFICATIONS:

- Single handle kitchen faucets for exposed mounting on 1, 2, 3 and 4 hole sinks.
- Centermount or 8" (203 mm) centers with optional 10 1/2" (267 mm) long escutcheon included.
- 8" (203 mm) high, 9 13/16" (249 mm) long spout nestled in metal hub assembly, swings 120.
- Vegetable sprayer hose with matching finish sprayhead - 45" (1143 mm) long hose.
- Lever handle shall return to neutral position when valve is turned off.
- Control mechanism shall be the diamond coated ceramic cartridge.
- Red/blue graphics on handle button to indicate hot/cold temperature.
- 3/8" O.D. straight, staggered pex supply tubes - 32 1/4" (819 mm) and 33 3/4" (857 mm) long.
- Standard 3/8" (10 mm) compression gasket fittings.

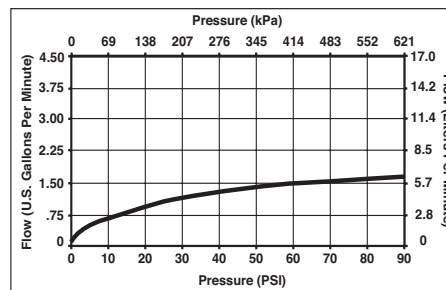
WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.



COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- ASME A112.18.6
- Indicates compliance to ICC/ANSI A117.1
- Verified compliant with .25% weighted average Pb content regulations.



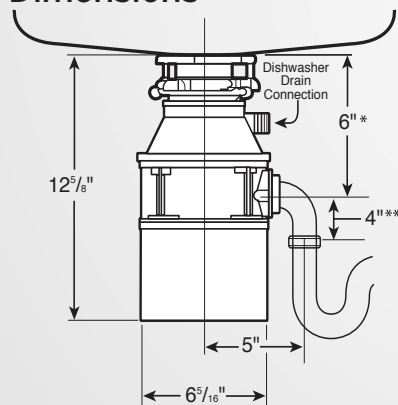
DELTA
FAUCET COMPANY

55 E. 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
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Food Waste Disposers



Dimensions

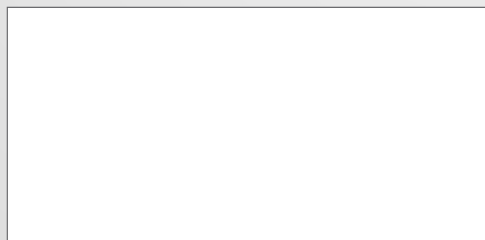


* Distance from bottom of sink to center line of disposer outlet.
Add 1/2" when stainless steel sinks are used.

** Length of tailpipe from center line of disposer outlet to end of tailpipe.

NOTE: Plumb waste line to prevent standing water in disposer motor housing.

Job Specifications



Submittal Sheet

This popular model offers the following features and benefits:

- 1/2 Horsepower Heavy Duty Motor (Quiet Dura-Drive® Induction Motor)
- We Come To You® 2-Year In-Home Limited Warranty
- Rugged Galvanized Steel Construction (For Disposer Durability)
- Space-Saving Compact Design

Sample Specification

Food Waste Disposer(s) shall be InSinkErator Badger® 5, continuous feed, with 1/2 H.P. motor, galvanized steel grinding elements with two stainless steel 360° swivel lugs. Self-service wrench.

Warranty:

2- Year parts and in-home service.

* The complete InSinkErator warranty is included in the Care & Use Booklet packed with each unit.

Specifications

Type of Feed	Continuous
On/Off Control	Wall Switch
Motor	Single Phase
HP	1/2
Volts	120
HZ	60
RPM	1725
Amp. (Avg. Load)	6.3
Time Rating	Intermittent
Lubrication	Permanently Lubricated Upper & Lower Bearings
Shipping Weight (Approx.)	14 lbs.
Unit Finish	Waterborne Grey Enamel
Overall Height	12-5/8"
Grind Chamber Capacity	26 oz.
Motor Protection	Manual Reset Overload
Average Water Usage	Approx. 1 Gallon per Person Per Day
Average Electrical Usage	3-4 KWh per Year
Drain Connection	1-1/2" Cushioned Slip Joint
Dishwasher Drain Connection	Yes



Food waste disposers can provide an environmentally responsible alternative to transporting food waste to landfills. And they can help reduce greenhouse gas emissions. At capable wastewater treatment plants, food waste can be recycled to produce renewable energy. Additionally, capable wastewater treatment plants can process food waste into fertilizer. (Check the plant in your area.)



EMERSON™
Commercial & Residential Solutions

The Emerson logo is a trademark and service mark of Emerson Electric Co. The mounting collar configuration is a trademark of Emerson Electric Co.

InSinkErator may make improvements and/or changes in the specifications at any time, in its sole discretion, without notice or obligation and further reserves the right to change or discontinue models.

1-800-558-5700
www.insinkerator.com



**Dearborn®
Brass**

4675 W. 160th St.
Cleveland, Ohio 44135
Ph: (800) 321-9532
Fax: (800) 321-9535
www.dearbornbrass.com

SUBMITTAL SPECIFICATION

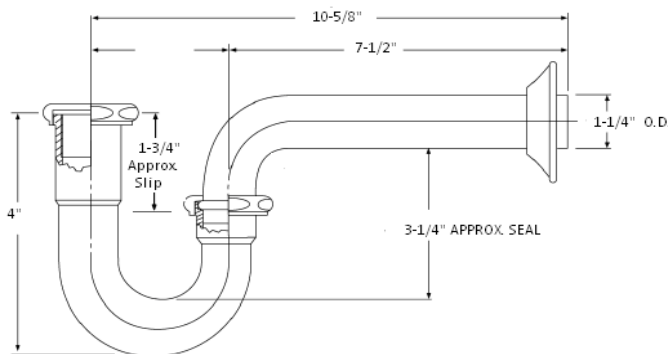
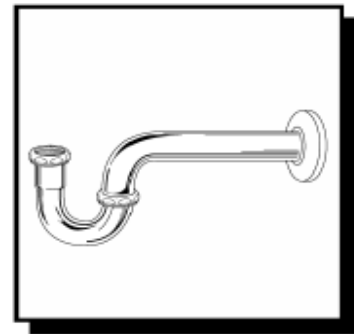
**BRASS TUBULAR
1-½" P-TRAP WITHOUT CLEANOUT**

Engineering Specification: Dearborn Brass 1-½" Brass Tubular P-Trap without Cleanout are designed for use in tubular drain applications. Available in 17, 20 or Budget Gauge Brass. Options include Brass Nuts, Deep Flange, Longer Wall Tube, Ground Joint and Unfinished Brass.

Job Reference

DESCRIPTION

- Chrome Finished
- 1-½" P-Trap Without Cleanout
 - o (1) Metal Flange
 - o (1) Quarter Bend
 - o (1) J-Bend
 - o (2) Rubber Washers
 - o (2) Nuts



✓	Product No.	Description	Carton Quantity	Carton Weight (lbs)
	2702-1	1-½" P-Trap – Budget Ga.	25	23
	2702DF-1	1-½" p-Trap – Budget Ga. w/ Deep Flange	25	25
	702-1	1-½" P-Trap – 20 Ga.	25	28
	702BN-1	1-½" P-Trap – 20 Ga. w/Brass Nuts	25	30
	702DF-1	1-½" P-Trap – 20 Ga. w/ Deep Flange	25	29
	702DFBN-1	1-½" P-Trap – 20 Ga. w/ Deep Flange and Brass Nuts	25	31
	702A-1	1-½" P-Trap – 20 Ga. w/ 11.25" Wall Tube	25	35
	704-1	1-½" P-Trap – 17 Ga.	25	35
	H704-3	1-½" P-Trap – 17 Ga., Unfinished Brass – Display Box	6	8
	704BN-1	1-½" P-Trap – 17 Ga. w/ Brass Nuts	25	36
	704DF-1	1-½" P-Trap – 17 Ga. w/ Deep Flange	25	36
	704DFBN-1	1-½" P-Trap – 17 Ga. w/ Deep Flange and Brass Nuts	25	38
	704A-1	1-½" P-Trap – 17 Ga. w/ 10" Wall Tube	25	39
	704G-1	1-½" P-Trap – 17 Ga. w/ Ground Joint	25	36
	704GBN-1	1-½" P-Trap – 17 Ga. w/ Ground Joint and Brass Nuts	25	37
	704GBN-3	1-½" P-Trap – 17 Ga. w/ Ground Joint and Brass Nuts, Unfinished Brass	25	38
	704GDFBN-1	1-½" P-Trap – 17 Ga. w/ Ground Joint, Deep Flange and Brass Nuts	25	37

Data is subject to manufacturing tolerances.

Visit www.dearbornbrass.com for updates

06/2009

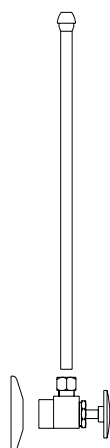


STANDARD STOP WITH FLEXIBLE LAVATORY SUPPLY

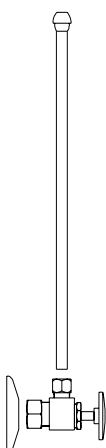
Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC TAG

Engineering Specification: Zurn Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC Two Zurn chrome plated, solid brass angle stops with round wheel handles or loose key as specified, two 12"[305mm] flexible chrome plated copper lavatory risers complete with two chrome plated steel flanges. Z8808-XL-LR-PC and Z8808-XL-LRLK-PC include 5"[127mm] chrome plated copper extension tubes and deep bell steel flanges.

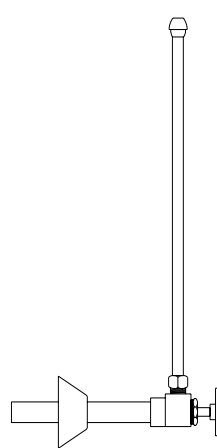
Zurn Lead Free products (-XL), is the line of durable, high quality brass faucets and fixtures that are designed and manufactured to comply with state laws and local codes that mandate lead content levels. Zurn Lead Free products (-XL) are manufactured with less than one quarter of one percent (0.25%) total lead content by weighted average.



Z8802



Z8804



Z8808

PRODUCT NUMBER	CONNECTIONS	EXT.	MASTER CARTON	WEIGHT CARTON	
				LR	LRLK
Z8802-XL-LR-PC	1/2 [13] IPS x 3/8 [10] OD	-	25	24	
Z8802-XL-LRLK-PC	1/2 [13] IPS x 3/8 [10] OD	-	25		25
Z8804-XL-LR-PC	1/2 [13] NOM x 3/8 [10] OD	-	25	24	
Z8804-XL-LRLK-PC	1/2 [13] NOM x 3/8 [10] OD	-	25		25
Z8808-XL-LR-PC	1/2 [13] SWT x 3/8 [10] OD	5	25	28	
Z8808-XL-LRLK-PC	1/2 [13] SWT x 3/8 [10] OD	5	25		33

SUFFIXES

- ___ - **A** Single supply option
- ___ - **C1** Standard Line Lock Shield Cap
- ___ - **CE** Chrome Plated, Cast Brass, Flange with setscrew
- ___ - **D** Chrome Plated Steel, Deep Bell Flange (Bell Type)
- ___ - **WD** Wrought Brass, Deep Flange, (Bell Type)
- ___ - **XP** Cross Handle
- ___ - **15** 15[381] Supply Tube
- ___ - **20** 20[508] Supply Tube
- ___ - **30** 30[762] Supply Tube
- ___ - **36** 36[914] Supply Tube

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

ZURN INDUSTRIES, LLC ♦ COMMERCIAL BRASS OPERATION ♦ 2640 SOUTH WORK STREET ♦ FALCONER NY 14733

Phone: 1-800-997-3876 ♦ Fax: 1-919-775-3541 ♦ www.zurn.com

In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905/405-8272 Fax: 905/405-1292

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Rev. Date: 9/11/09 C.N. No. 125288
Dwg. No. 93347 Product No. Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

SK-2 GUEST ROOM KITCHEN SINK

VENDOR PART	VENDOR	DESCRIPTION	PAGE
DXUH1318	ELKAY	DAYTON STAINLESS STEEL SINGLE BOWL UN...	110
1353-AR-DST	DELTA	SINGLE HANDLE KITCHEN FAUCET	111
BADGER5	INSINKERATOR	1/2 HP FOOD WASTE DISPOSER	112
704-1	OATEY MANUFACTU	1-1/2" P-TRAPS WITHOUT CLEANOUT	113
Z8804-XL-LR	ZURN	STANDARD STOP WITH FLEXIBLE LAVATORY ...	114

DAYTON® SPECIFICATIONS

Dayton® Undermount Single Bowl Sink Model DXUH1318

GENERAL

Sink is formed of #18 (1.2mm) gauge, 300 series nickel bearing stainless steel. Undermount.

DESIGN FEATURES

Bowl Depth: 8" (203mm).

Finish: Exposed surfaces are polished to a Radiant Satin finish.

Underside: Sound dampening pad with spray undercoating to dampen sound and reduce condensation.

OTHER

Drain Opening: 3-1/2" (89mm).

NOTE: All Dayton undermount sinks are designed to affix easily to the underside of any solid surface countertop.

Sink complies with ASME A112.19.3/ CSA B45.4



Sinks are listed by IAPMO® as meeting the applicable requirements of the Uniform Plumbing Code®, International Plumbing Code®, and National Plumbing Code of Canada.

OPTIONAL ACCESSORIES

Bottom Gird: GBG1318SS

Cutting Board: CBR1316 (sink must be installed with a 1/2" reveal for cutting board to fit properly)

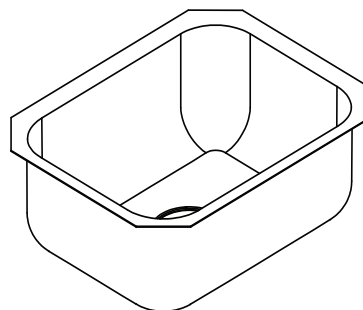
Drain: D1125

Rinsing Basket: LKWRB1318SS, LKWERBSS

Utensil Caddy: LKWUCSS

Mounting Clip: LKUCLIP8

Template: 74180747



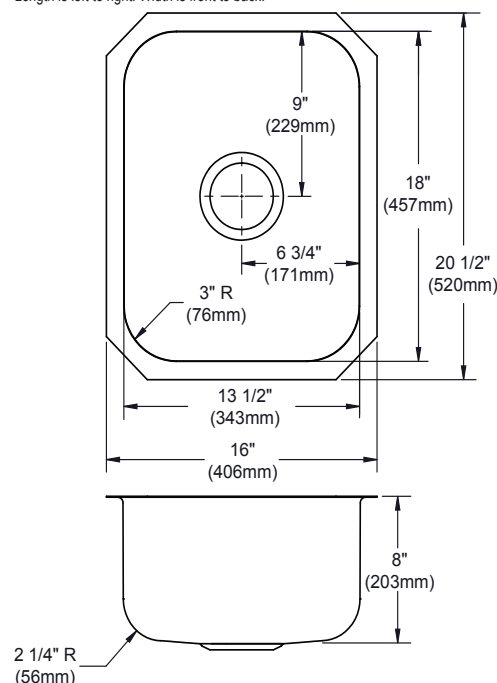
Model DXUH1318



SINK DIMENSIONS (INCHES)*

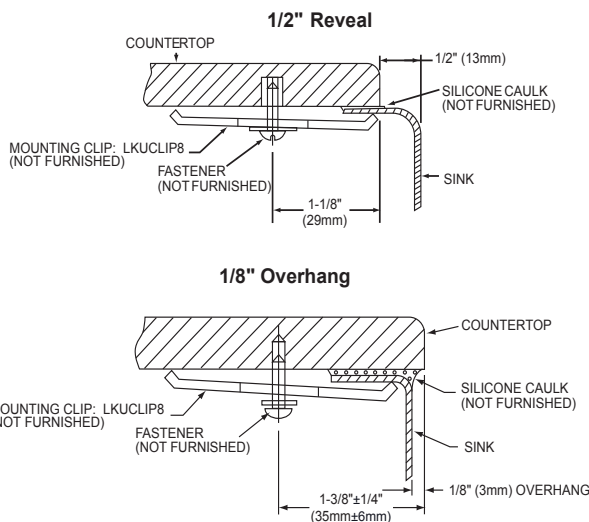
Model Number	Overall		Inside Bowl			Minimum Cabinet Size
	L	W	L	W	D	
DXUH1318	16 (406mm)	20 1/2 (520mm)	13 1/2 (343mm)	18 (457mm)	8 (203mm)	24 (610mm)

*Length is left to right. Width is front to back.



In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkayusa.com for most current version of Elkay product specification sheets.

Electronic Dual Template Mounting Option (Download DXF File from www.elkaypro.com)



This specification describes an Elkay product with design, quality and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

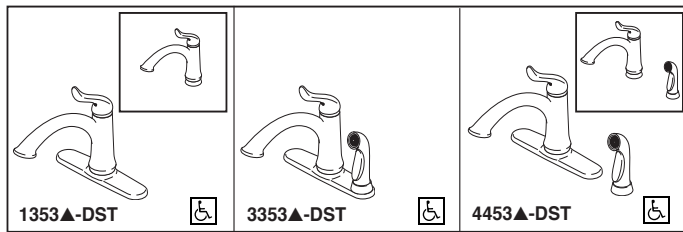
Elkay

elkaypro.com

2222 Camden Court
Oak Brook, IL 60523

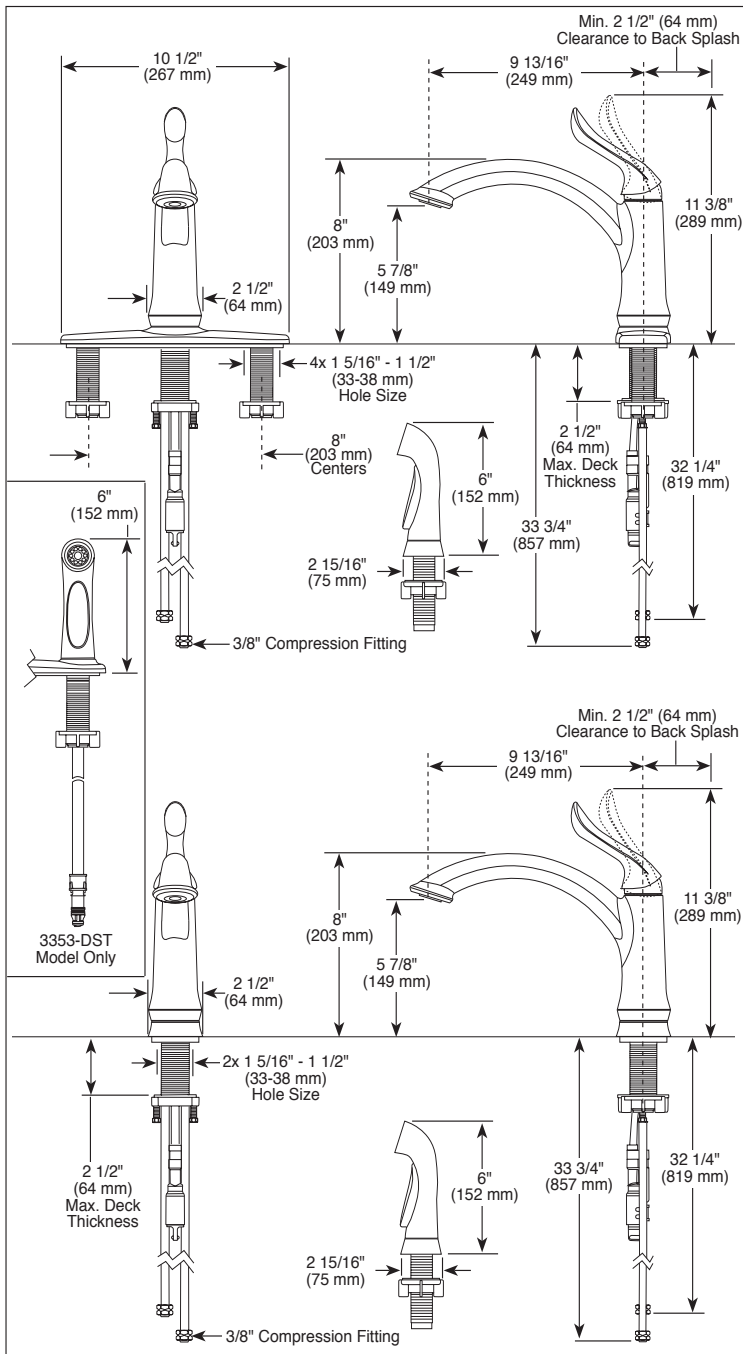
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(Rev. 12/13) 02-82B



Submitted Model No.: _____

Specific Features: _____



▲ Designate Proper Finish Suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See full-line price book or www.deltafaucet.com for finish options and product availability.
DSP-K-1353-DST Rev. C



KITCHEN FAUCETS

- Linden™ Series
- Single Handle Deck Mount
- 1, 2, 3 or 4 Hole Sink Applications
- DIAMOND Seal® Technology
- Integrated Supply Tubes

STANDARD SPECIFICATIONS:

- Single handle kitchen faucets for exposed mounting on 1, 2, 3 and 4 hole sinks.
- Centermount or 8" (203 mm) centers with optional 10 1/2" (267 mm) long escutcheon included.
- 8" (203 mm) high, 9 13/16" (249 mm) long spout nestled in metal hub assembly, swings 120°.
- Vegetable sprayer hose with matching finish sprayhead - 45" (1143 mm) long hose.
- Lever handle shall return to neutral position when valve is turned off.
- Control mechanism shall be the diamond coated ceramic cartridge.
- Red/blue graphics on handle button to indicate hot/cold temperature.
- 3/8" O.D. straight, staggered pex supply tubes - 32 1/4" (819 mm) and 33 3/4" (857 mm) long.
- Standard 3/8" (10 mm) compression gasket fittings.

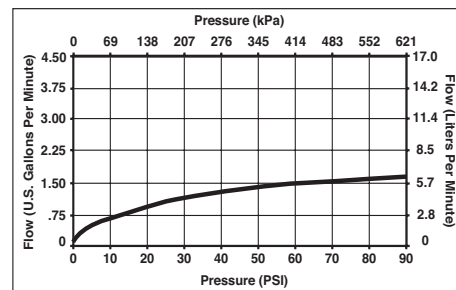
WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.



COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- ASME A112.18.6
- Indicates compliance to ICC/ANSI A117.1
- Verified compliant with .25% weighted average Pb content regulations.

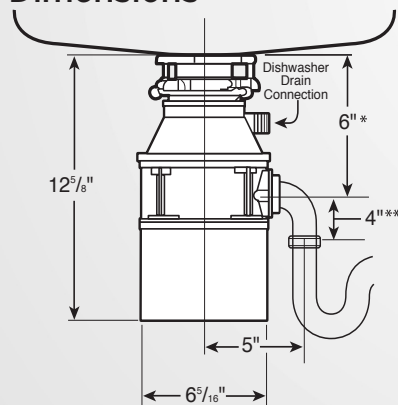


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Food Waste Disposers



Dimensions

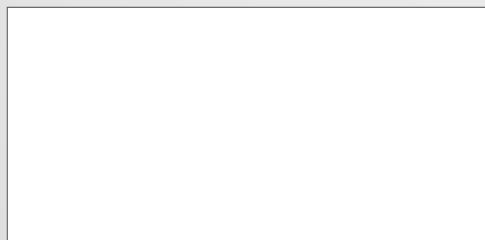


* Distance from bottom of sink to center line of disposer outlet.
Add 1/2" when stainless steel sinks are used.

** Length of tailpipe from center line of disposer outlet to end of tailpipe.

NOTE: Plumb waste line to prevent standing water in disposer motor housing.

Job Specifications



Submittal Sheet

This popular model offers the following features and benefits:

- 1/2 Horsepower Heavy Duty Motor (Quiet Dura-Drive® Induction Motor)
- We Come To You® 2-Year In-Home Limited Warranty
- Rugged Galvanized Steel Construction (For Disposer Durability)
- Space-Saving Compact Design

Sample Specification

Food Waste Disposer(s) shall be InSinkErator Badger® 5, continuous feed, with 1/2 H.P. motor, galvanized steel grinding elements with two stainless steel 360° swivel lugs. Self-service wrench.

Warranty:

2- Year parts and in-home service.

* The complete InSinkErator warranty is included in the Care & Use Booklet packed with each unit.

Specifications

Type of Feed	Continuous
On/Off Control	Wall Switch
Motor	Single Phase
HP	1/2
Volts	120
HZ	60
RPM	1725
Amp. (Avg. Load)	6.3
Time Rating	Intermittent
Lubrication	Permanently Lubricated Upper & Lower Bearings
Shipping Weight (Approx.)	14 lbs.
Unit Finish	Waterborne Grey Enamel
Overall Height	12-5/8"
Grind Chamber Capacity	26 oz.
Motor Protection	Manual Reset Overload
Average Water Usage	Approx. 1 Gallon per Person Per Day
Average Electrical Usage	3-4 KWh per Year
Drain Connection	1-1/2" Cushioned Slip Joint
Dishwasher Drain Connection	Yes



Food waste disposers can provide an environmentally responsible alternative to transporting food waste to landfills. And they can help reduce greenhouse gas emissions. At capable wastewater treatment plants, food waste can be recycled to produce renewable energy. Additionally, capable wastewater treatment plants can process food waste into fertilizer. (Check the plant in your area.)



1-800-558-5700
www.insinkerator.com



EMERSON™
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The Emerson logo is a trademark and service mark of Emerson Electric Co. The mounting collar configuration is a trademark of Emerson Electric Co.

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Brass**

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SUBMITTAL SPECIFICATION

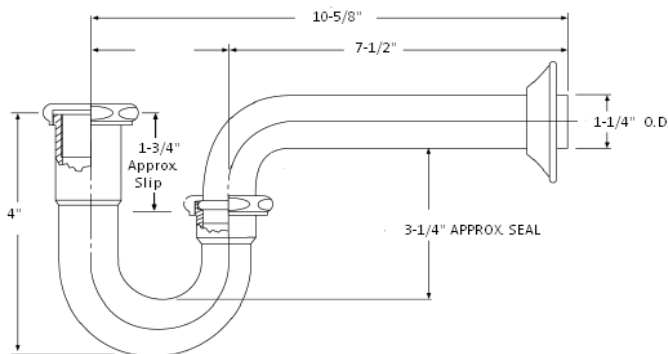
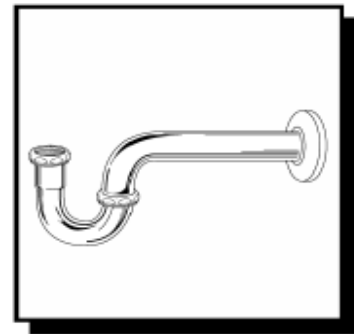
BRASS TUBULAR 1-½" P-TRAP WITHOUT CLEANOUT

Engineering Specification: Dearborn Brass 1-½" Brass Tubular P-Trap without Cleanout are designed for use in tubular drain applications. Available in 17, 20 or Budget Gauge Brass. Options include Brass Nuts, Deep Flange, Longer Wall Tube, Ground Joint and Unfinished Brass.

Job Reference

DESCRIPTION

- Chrome Finished
- 1-½" P-Trap Without Cleanout
 - o (1) Metal Flange
 - o (1) Quarter Bend
 - o (1) J-Bend
 - o (2) Rubber Washers
 - o (2) Nuts



✓	Product No.	Description	Carton Quantity	Carton Weight (lbs)
	2702-1	1-½" P-Trap – Budget Ga.	25	23
	2702DF-1	1-½" p-Trap – Budget Ga. w/ Deep Flange	25	25
	702-1	1-½" P-Trap – 20 Ga.	25	28
	702BN-1	1-½" P-Trap – 20 Ga. w/Brass Nuts	25	30
	702DF-1	1-½" P-Trap – 20 Ga. w/ Deep Flange	25	29
	702DFBN-1	1-½" P-Trap – 20 Ga. w/ Deep Flange and Brass Nuts	25	31
	702A-1	1-½" P-Trap – 20 Ga. w/ 11.25" Wall Tube	25	35
	704-1	1-½" P-Trap – 17 Ga.	25	35
	H704-3	1-½" P-Trap – 17 Ga., Unfinished Brass – Display Box	6	8
	704BN-1	1-½" P-Trap – 17 Ga. w/ Brass Nuts	25	36
	704DF-1	1-½" P-Trap – 17 Ga. w/ Deep Flange	25	36
	704DFBN-1	1-½" P-Trap – 17 Ga. w/ Deep Flange and Brass Nuts	25	38
	704A-1	1-½" P-Trap – 17 Ga. w/ 10" Wall Tube	25	39
	704G-1	1-½" P-Trap – 17 Ga. w/ Ground Joint	25	36
	704GBN-1	1-½" P-Trap – 17 Ga. w/ Ground Joint and Brass Nuts	25	37
	704GBN-3	1-½" P-Trap – 17 Ga. w/ Ground Joint and Brass Nuts, Unfinished Brass	25	38
	704GDFBN-1	1-½" P-Trap – 17 Ga. w/ Ground Joint, Deep Flange and Brass Nuts	25	37

Data is subject to manufacturing tolerances.

Visit www.dearbornbrass.com for updates

06/2009



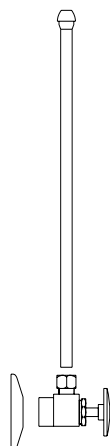
STANDARD STOP WITH FLEXIBLE LAVATORY SUPPLY

Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

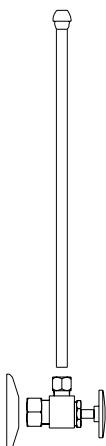
TAG

Engineering Specification: Zurn Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC Two Zurn chrome plated, solid brass angle stops with round wheel handles or loose key as specified, two 12"[305mm] flexible chrome plated copper lavatory risers complete with two chrome plated steel flanges. Z8808-XL-LR-PC and Z8808-XL-LRLK-PC include 5"[127mm] chrome plated copper extension tubes and deep bell steel flanges.

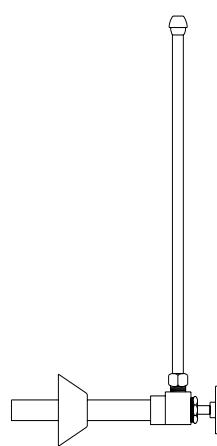
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Z8802



Z8804



Z8808

PRODUCT NUMBER	CONNECTIONS	EXT.	MASTER CARTON	WEIGHT CARTON	
				LR	LRLK
Z8802-XL-LR-PC	1/2 [13] IPS x 3/8 [10]OD	-	25	24	
Z8802-XL-LRLK-PC	1/2 [13] IPS x 3/8 [10] OD	-	25		25
Z8804-XL-LR-PC	1/2 [13] NOM x 3/8 [10] OD	-	25	24	
Z8804-XL-LRLK-PC	1/2 [13] NOM x 3/8 [10] OD	-	25		25
Z8808-XL-LR-PC	1/2 [13] SWT x 3/8 [10] OD	5	25	28	
Z8808-XL-LRLK-PC	1/2 [13] SWT x 3/8 [10] OD	5	25		33

SUFFIXES

- ___ - **A** Single supply option
- ___ - **C1** Standard Line Lock Shield Cap
- ___ - **CE** Chrome Plated, Cast Brass, Flange with setscrew
- ___ - **D** Chrome Plated Steel, Deep Bell Flange (Bell Type)
- ___ - **WD** Wrought Brass, Deep Flange, (Bell Type)
- ___ - **XP** Cross Handle
- ___ - **15** 15[381] Supply Tube
- ___ - **20** 20[508] Supply Tube
- ___ - **30** 30[762] Supply Tube
- ___ - **36** 36[914] Supply Tube

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

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Phone: 1-800-997-3876 ♦ Fax: 1-919-775-3541 ♦ www.zurn.com

In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905/405-8272 Fax: 905/405-1292

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Rev. Date: 9/11/09 C.N. No. 125288
Dwg. No. 93347 Product No. Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

SK-3 BREAKROOM SINK

VENDOR PART	VENDOR	DESCRIPTION	PAGE
DXUH1210	ELKAY	DAYTON STAINLESS STEEL SINGLE BOWL UN...	116
400-DST	DELTA	SINGLE HANDLE KITCHEN FAUCET WITH SPRAY	117
704-1	OATEY MANUFACTU	1-1/2" P-TRAPS WITHOUT CLEANOUT	118
Z8804-XL-LR	ZURN	STANDARD STOP WITH FLEXIBLE LAVATORY ...	119
BADGER5	INSINKERATOR	1/2 HP FOOD WASTE DISPOSER	120

DAYTON® SPECIFICATIONS

Dayton® Undermount Single Bowl Sink Model DXUH1210

GENERAL

Sink is formed of #18 gauge, 300 series nickel bearing stainless steel. Undermount.

DESIGN FEATURES

Bowl Depth: 6-1/2" (165mm)

Finish: Exposed surfaces are polished to a Radiant Satin finish.

Underside: Sound dampening pads with spray undercoating to dampen sound and reduce condensation.

OTHER

Drain Opening: 3-1/2" (89mm)

NOTE: All Dayton undermount sinks are designed to affix easily to the underside of any solid surface countertop.

Sink complies with ASME A112.19.3/ CSA B45.4

 Sinks are listed by IAPMO® as meeting the applicable requirements of the Uniform Plumbing Code®, International Plumbing Code®, and National Plumbing Code of Canada.

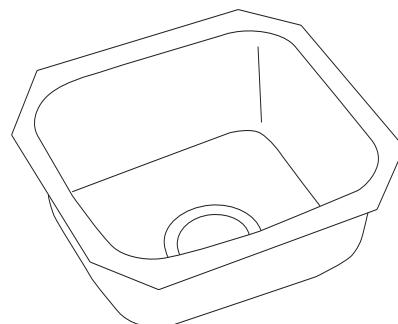
OPTIONAL ACCESSORIES

Cutting Board: CB912 (Sink must be installed with a 1/2" reveal for cutting board to fit properly)

Drain: D1125

Mounting Clip: LKUCLIP8

Template: 64180275

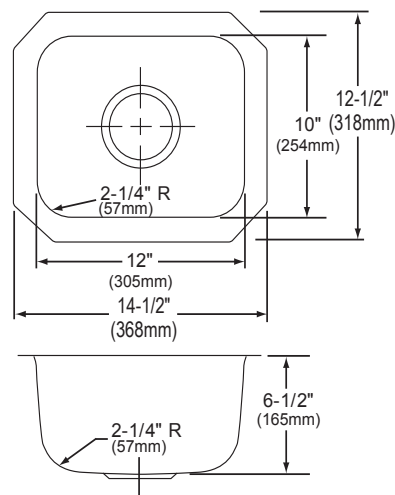


Model DXUH1210

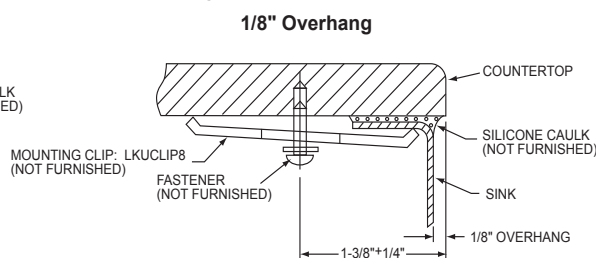
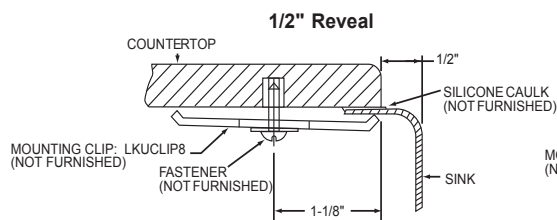
SINK DIMENSIONS (INCHES)*

Model Number	Overall		Inside Bowl			Minimum Cabinet Size
	L	W	L	W	D	
DXUH1210	14-1/2 (368mm)	12-1/2 (318mm)	12 (305mm)	10 (254mm)	6 1/2 (165mm)	18 (457mm)

*Length is left to right. Width is front to back.



Electronic Dual Template Mounting Option (Download DXF File from www.elkay.com)



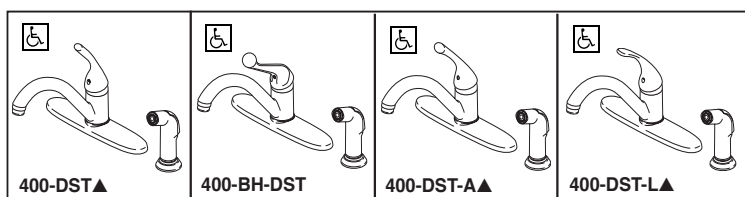
In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkayusa.com for most current version of Elkay product specification sheets.

This specification describes an Elkay product with design, quality and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

Elkay
elkay.com

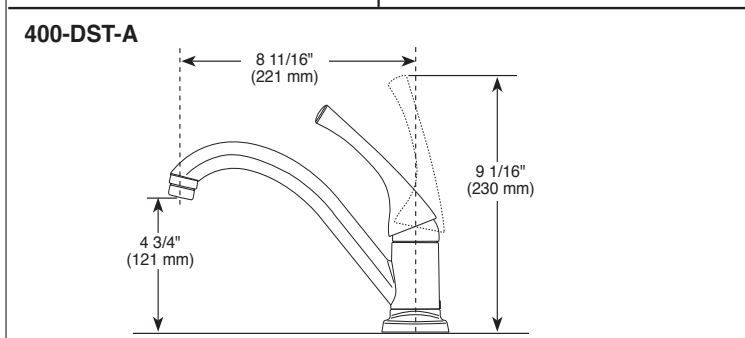
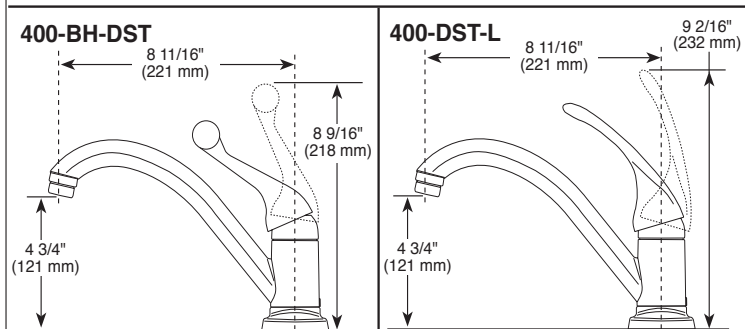
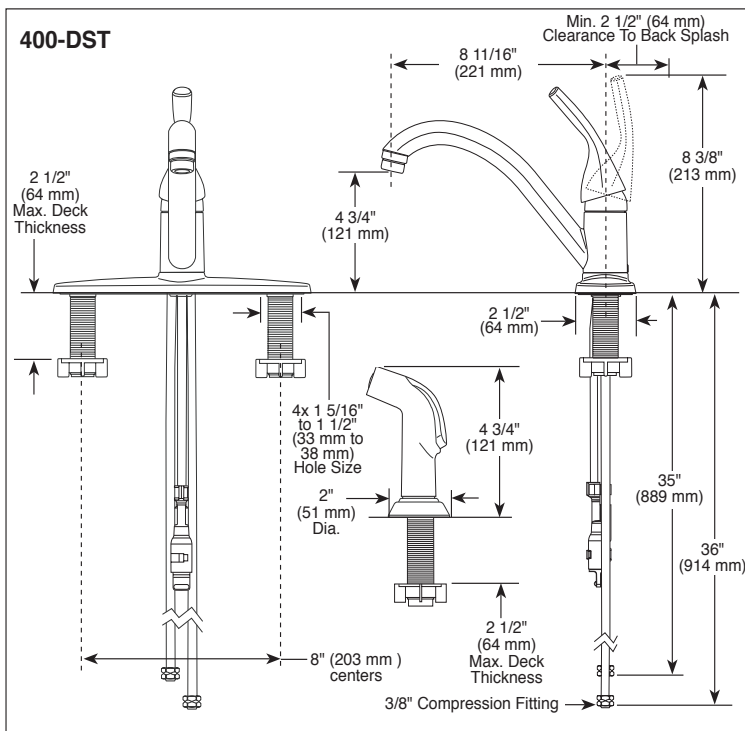
2222 Camden Court
Oak Brook, IL 60523

©2013 Elkay
(Rev. 12/13) 02-61E



Submitted Model No.: _____

Specific Features: _____



▲ Designate Proper Finish Suffix

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.deltafaucet.com for finish options and product availability.

DSP-K-400-DST Rev. E



KITCHEN FAUCETS

- Single Handle Deck Mount
- 3 and 4 Hole Sink Applications
- DIAMOND Seal® Technology
- Integrated Supply Tubes

STANDARD SPECIFICATIONS:

- 8 11/16" (221 mm) long spout swings 180°.
- Lever handle shall return to neutral position when faucet is turned off.
- Control mechanism shall be the diamond coated ceramic cartridge.
- Model 400 series with spray attachment have anti-siphon device as integral part of faucet.
- Vegetable sprayer hose with matching finish sprayhead - 45" (1143mm) long hose.
- 3/8" O.D. straight, staggered pex supply tubes- 35" (889 mm) and 36" (914 mm) long.
- Standard 3/8" (10 mm) compression gasket fittings.
- Includes cartridge limit switch to allow a maximum hot water mix of 50%.

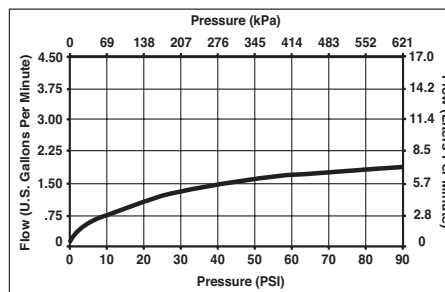
WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.



COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- ASME A112.18.6
- Indicates compliance to ICC/ANSI A117.1
- Verified compliant with .25% weighted average Pb content regulations.



55 E. 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
© 2013 Masco Corporation of Indiana



**Dearborn®
Brass**

4675 W. 160th St.
Cleveland, Ohio 44135
Ph: (800) 321-9532
Fax: (800) 321-9535
www.dearbornbrass.com

SUBMITTAL SPECIFICATION

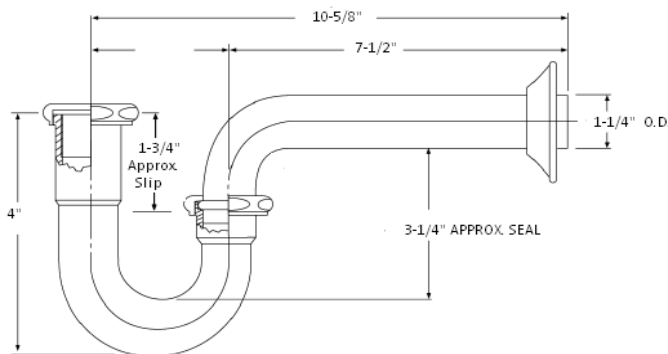
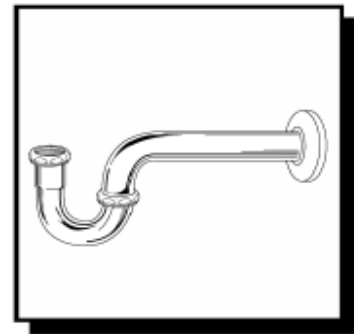
**BRASS TUBULAR
1-½" P-TRAP WITHOUT CLEANOUT**

Engineering Specification: Dearborn Brass 1-½" Brass Tubular P-Trap without Cleanout are designed for use in tubular drain applications. Available in 17, 20 or Budget Gauge Brass. Options include Brass Nuts, Deep Flange, Longer Wall Tube, Ground Joint and Unfinished Brass.

Job Reference

DESCRIPTION

- Chrome Finished
- 1-½" P-Trap Without Cleanout
 - o (1) Metal Flange
 - o (1) Quarter Bend
 - o (1) J-Bend
 - o (2) Rubber Washers
 - o (2) Nuts



✓	Product No.	Description	Carton Quantity	Carton Weight (lbs)
	2702-1	1-½" P-Trap – Budget Ga.	25	23
	2702DF-1	1-½" p-Trap – Budget Ga. w/ Deep Flange	25	25
	702-1	1-½" P-Trap – 20 Ga.	25	28
	702BN-1	1-½" P-Trap – 20 Ga. w/Brass Nuts	25	30
	702DF-1	1-½" P-Trap – 20 Ga. w/ Deep Flange	25	29
	702DFBN-1	1-½" P-Trap – 20 Ga. w/ Deep Flange and Brass Nuts	25	31
	702A-1	1-½" P-Trap – 20 Ga. w/ 11.25" Wall Tube	25	35
	704-1	1-½" P-Trap – 17 Ga.	25	35
	H704-3	1-½" P-Trap – 17 Ga., Unfinished Brass – Display Box	6	8
	704BN-1	1-½" P-Trap – 17 Ga. w/ Brass Nuts	25	36
	704DF-1	1-½" P-Trap – 17 Ga. w/ Deep Flange	25	36
	704DFBN-1	1-½" P-Trap – 17 Ga. w/ Deep Flange and Brass Nuts	25	38
	704A-1	1-½" P-Trap – 17 Ga. w/ 10" Wall Tube	25	39
	704G-1	1-½" P-Trap – 17 Ga. w/ Ground Joint	25	36
	704GBN-1	1-½" P-Trap – 17 Ga. w/ Ground Joint and Brass Nuts	25	37
	704GBN-3	1-½" P-Trap – 17 Ga. w/ Ground Joint and Brass Nuts, Unfinished Brass	25	38
	704GDFBN-1	1-½" P-Trap – 17 Ga. w/ Ground Joint, Deep Flange and Brass Nuts	25	37

Data is subject to manufacturing tolerances.

Visit www.dearbornbrass.com for updates

06/2009



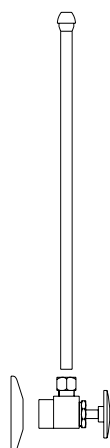
STANDARD STOP WITH FLEXIBLE LAVATORY SUPPLY

Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

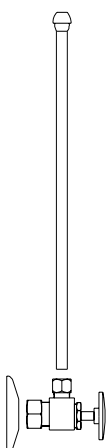
TAG

Engineering Specification: Zurn Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC Two Zurn chrome plated, solid brass angle stops with round wheel handles or loose key as specified, two 12"[305mm] flexible chrome plated copper lavatory risers complete with two chrome plated steel flanges. Z8808-XL-LR-PC and Z8808-XL-LRLK-PC include 5"[127mm] chrome plated copper extension tubes and deep bell steel flanges.

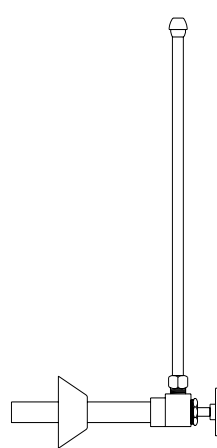
Zurn Lead Free products (-XL), is the line of durable, high quality brass faucets and fixtures that are designed and manufactured to comply with state laws and local codes that mandate lead content levels. Zurn Lead Free products (-XL) are manufactured with less than one quarter of one percent (0.25%) total lead content by weighted average.



Z8802



Z8804



Z8808

PRODUCT NUMBER	CONNECTIONS	EXT.	MASTER CARTON	WEIGHT CARTON	
				LR	LRLK
Z8802-XL-LR-PC	1/2 [13] IPS x 3/8 [10] OD	-	25	24	
Z8802-XL-LRLK-PC	1/2 [13] IPS x 3/8 [10] OD	-	25		25
Z8804-XL-LR-PC	1/2 [13] NOM x 3/8 [10] OD	-	25	24	
Z8804-XL-LRLK-PC	1/2 [13] NOM x 3/8 [10] OD	-	25		25
Z8808-XL-LR-PC	1/2 [13] SWT x 3/8 [10] OD	5	25	28	
Z8808-XL-LRLK-PC	1/2 [13] SWT x 3/8 [10] OD	5	25		33

SUFFIXES

- ___ - **A** Single supply option
- ___ - **C1** Standard Line Lock Shield Cap
- ___ - **CE** Chrome Plated, Cast Brass, Flange with setscrew
- ___ - **D** Chrome Plated Steel, Deep Bell Flange (Bell Type)
- ___ - **WD** Wrought Brass, Deep Flange, (Bell Type)
- ___ - **XP** Cross Handle
- ___ - **15** 15[381] Supply Tube
- ___ - **20** 20[508] Supply Tube
- ___ - **30** 30[762] Supply Tube
- ___ - **36** 36[914] Supply Tube

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

ZURN INDUSTRIES, LLC ♦ COMMERCIAL BRASS OPERATION ♦ 2640 SOUTH WORK STREET ♦ FALCONER NY 14733

Phone: 1-800-997-3876 ♦ Fax: 1-919-775-3541 ♦ www.zurn.com

In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905/405-8272 Fax: 905/405-1292

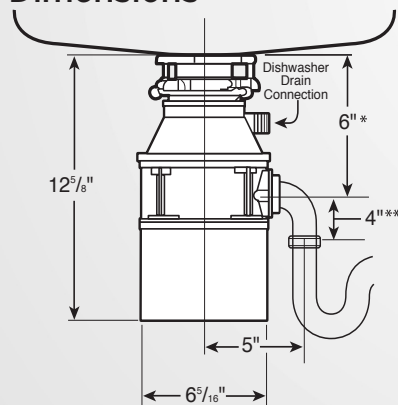
AquaSpec® is a registered trademark of Zurn Industries, LLC
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Rev. Date: 9/11/09 C.N. No. 125288
Dwg. No. 93347 Product No. Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

Food Waste Disposers



Dimensions

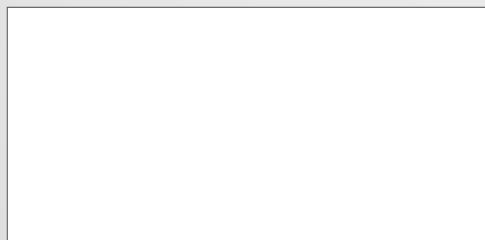


* Distance from bottom of sink to center line of disposer outlet.
Add 1/2" when stainless steel sinks are used.

** Length of tailpipe from center line of disposer outlet to end of tailpipe.

NOTE: Plumb waste line to prevent standing water in disposer motor housing.

Job Specifications



Submittal Sheet

This popular model offers the following features and benefits:

- 1/2 Horsepower Heavy Duty Motor (Quiet Dura-Drive® Induction Motor)
- We Come To You® 2-Year In-Home Limited Warranty
- Rugged Galvanized Steel Construction (For Disposer Durability)
- Space-Saving Compact Design

Sample Specification

Food Waste Disposer(s) shall be InSinkErator Badger® 5, continuous feed, with 1/2 H.P. motor, galvanized steel grinding elements with two stainless steel 360° swivel lugs. Self-service wrench.

Warranty:

2- Year parts and in-home service.

* The complete InSinkErator warranty is included in the Care & Use Booklet packed with each unit.

Specifications

Type of Feed	Continuous
On/Off Control	Wall Switch
Motor	Single Phase
HP	1/2
Volts	120
HZ	60
RPM	1725
Amp. (Avg. Load)	6.3
Time Rating	Intermittent
Lubrication	Permanently Lubricated Upper & Lower Bearings
Shipping Weight (Approx.)	14 lbs.
Unit Finish	Waterborne Grey Enamel
Overall Height	12-5/8"
Grind Chamber Capacity	26 oz.
Motor Protection	Manual Reset Overload
Average Water Usage	Approx. 1 Gallon per Person Per Day
Average Electrical Usage	3-4 KWh per Year
Drain Connection	1-1/2" Cushioned Slip Joint
Dishwasher Drain Connection	Yes



Food waste disposers can provide an environmentally responsible alternative to transporting food waste to landfills. And they can help reduce greenhouse gas emissions. At capable wastewater treatment plants, food waste can be recycled to produce renewable energy. Additionally, capable wastewater treatment plants can process food waste into fertilizer. (Check the plant in your area.)



EMERSON™
Commercial & Residential Solutions

The Emerson logo is a trademark and service mark of Emerson Electric Co. The mounting collar configuration is a trademark of Emerson Electric Co.

InSinkErator may make improvements and/or changes in the specifications at any time, in its sole discretion, without notice or obligation and further reserves the right to change or discontinue models.

1-800-558-5700
www.insinkerator.com

SK-6 WALL HUNG HANDSINK

VENDOR PART	VENDOR	DESCRIPTION	PAGE
AMTDH17	AMTEKCO	AMTEKCO STAINLESS HAND SINK W/ FAUCET	122
704-1	OATEY MANUFACTU	1-1/2" P-TRAPS WITHOUT CLEANOUT	124
Z8804-XL-LR	ZURN	STANDARD STOP WITH FLEXIBLE LAVATORY ...	125



DH-17 & DH-17-LL



DH-18 & DH-18-LL



DH-19 & DH-19-LL

HAND SINKS **DH-17, DH-18, DH-19** **(Including Low-Lead Option)**

PROJECT#: _____

ITEM# _____

MODEL# _____

Low Cost Solutions for Back Room Operations:

- ♦ Supermarkets
- ♦ Convenience Stores
- ♦ Hospitals
- ♦ Factories

Features:

- ♦ Constructed from Heavy Gauge Type 304 Series Stainless Steel
- ♦ Available through the Amtekco Quick Ship Program
- ♦ All Sinks are N.S.F. Listed
- ♦ Multiple Designs for Multiple Applications

Mechanical Specifications:

- ♦ "LL" Model Number Indicates Plumbing Meets "Low Lead" or "Lead-Free" Faucet Specifications
- ♦ Sink Bowl is 13-3/4" x 10" x 5-1/2"
- ♦ Crumb Cup Drain 1-1/2" NPS
- ♦ Faucets 1/2" NPS
- ♦ Foot Valves & Knee Valves 1/2" NPS

MODEL#	SHIPPING WEIGHT
DH-17	13 lbs.
DH-17-LL	13 lbs.
DH-18	16 lbs.
DH-18-LL	16 lbs.
DH-19	17 lbs.
DH-19-LL	17 lbs.

All Models Can Be Shipped U.P.S.

Amtekco offers a full line of standard hand washing sinks to satisfy every requirement and the most rigorous local sanitation requirements. These superior products feature type 304 stainless steel throughout for long life, ease in cleaning and low maintenance. Rugged, heavy gauge, die stamped and welded construction provides for rigid wall mounting for years of trouble free use. All faucets are N.S.F. listed.

Models are in stock for immediate shipments

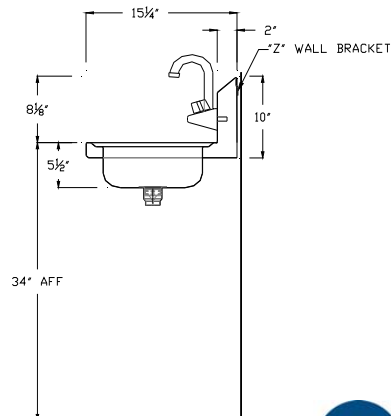
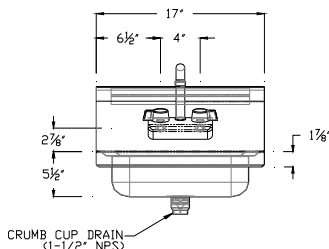
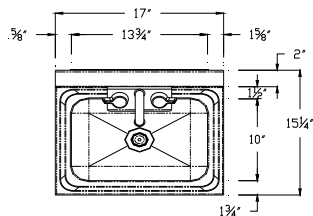


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE 01/09

amtekco

A Wasserstrom Company
Manufacturers of Quality Products for the Food Marketing Industry

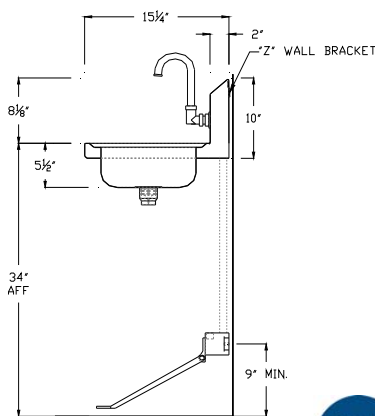
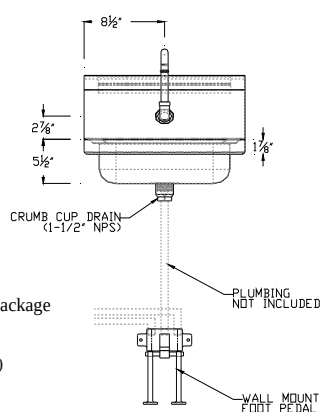
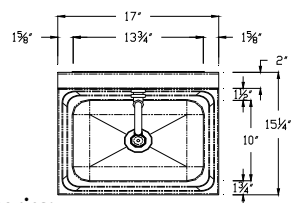
HAND SINKS
DH-17, DH-18, DH-19
(Including Low-Lead Option)



Accessories:

- ◆ Faucet—#BKF-W-3G w/ Gooseneck Spout (1/2" NPS)
- ◆ Low-Lead Faucet (Option)—#B-1146-01A w/ Gooseneck Spout (1/2" NPS)
- ◆ Crumb Cup Drain (1-1/2" NPS)
- ◆ Wall Mounting Bracket

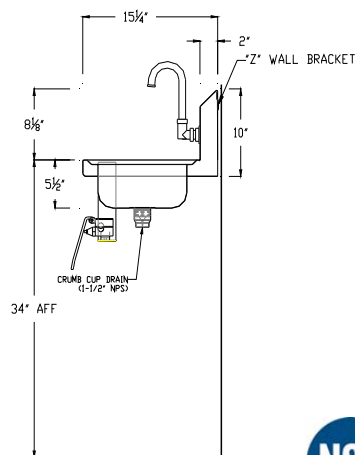
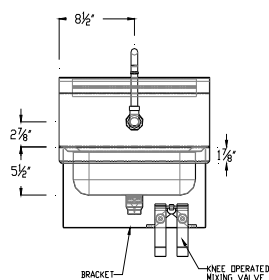
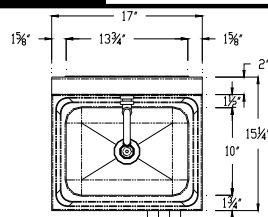
DH-17



Accessories:

- ◆ #9127 Combination Package
 - ◆ #3176 Wall Mount Foot Pedal (1/2" NPS)
 - ◆ #3916 Gooseneck Faucet (1/2" NPS)
- ◆ Low-Lead Option: #B-0504-537K Combination Package
 - ◆ #B-0504 Wall Mount Foot Pedal (1/2" NPS)
 - ◆ #KL72-9000 Swivel Gooseneck Faucet (1/2" NPS)
- ◆ Crumb Cup Drain (1-1/2" NPS)
- ◆ Wall Mounting Bracket

DH-18



Accessories:

- ◆ #BKKVSGS Combination Package
 - ◆ #BKKV Knee Operated Mixing Valve (1/2" NPS)
 - ◆ #BKF-WMB-3G Gooseneck Faucet (1/2" NPS)
- ◆ Low-Lead Option: #B-0509-537K Combination Package
 - ◆ #B-0509 Wall Mount Foot Pedal (1/2" NPS)
 - ◆ #KL72-9000 Swivel Gooseneck Faucet (1/2" NPS)
- ◆ Crumb Cup Drain (1-1/2" NPS)
- ◆ Wall Mounting Bracket

DH-19



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE 01/09



**Dearborn®
Brass**

4675 W. 160th St.
Cleveland, Ohio 44135
Ph: (800) 321-9532
Fax: (800) 321-9535
www.dearbornbrass.com

SUBMITTAL SPECIFICATION

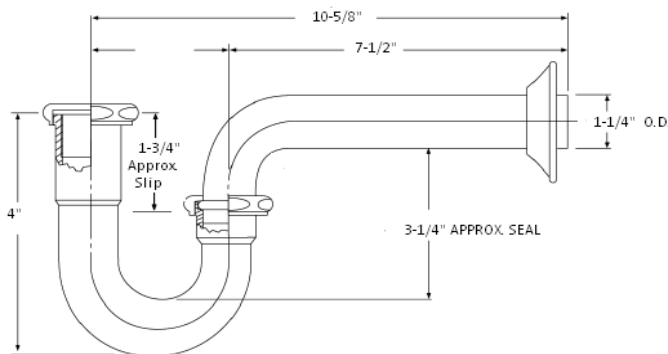
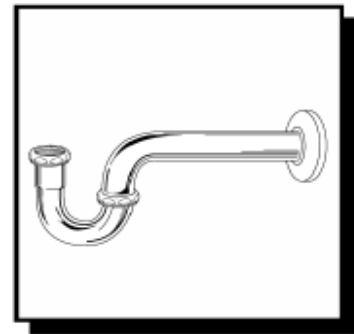
**BRASS TUBULAR
1-½" P-TRAP WITHOUT CLEANOUT**

Engineering Specification: Dearborn Brass 1-½" Brass Tubular P-Trap without Cleanout are designed for use in tubular drain applications. Available in 17, 20 or Budget Gauge Brass. Options include Brass Nuts, Deep Flange, Longer Wall Tube, Ground Joint and Unfinished Brass.

Job Reference

DESCRIPTION

- Chrome Finished
- 1-½" P-Trap Without Cleanout
 - o (1) Metal Flange
 - o (1) Quarter Bend
 - o (1) J-Bend
 - o (2) Rubber Washers
 - o (2) Nuts



✓	Product No.	Description	Carton Quantity	Carton Weight (lbs)
	2702-1	1-½" P-Trap – Budget Ga.	25	23
	2702DF-1	1-½" p-Trap – Budget Ga. w/ Deep Flange	25	25
	702-1	1-½" P-Trap – 20 Ga.	25	28
	702BN-1	1-½" P-Trap – 20 Ga. w/Brass Nuts	25	30
	702DF-1	1-½" P-Trap – 20 Ga. w/ Deep Flange	25	29
	702DFBN-1	1-½" P-Trap – 20 Ga. w/ Deep Flange and Brass Nuts	25	31
	702A-1	1-½" P-Trap – 20 Ga. w/ 11.25" Wall Tube	25	35
	704-1	1-½" P-Trap – 17 Ga.	25	35
	H704-3	1-½" P-Trap – 17 Ga., Unfinished Brass – Display Box	6	8
	704BN-1	1-½" P-Trap – 17 Ga. w/ Brass Nuts	25	36
	704DF-1	1-½" P-Trap – 17 Ga. w/ Deep Flange	25	36
	704DFBN-1	1-½" P-Trap – 17 Ga. w/ Deep Flange and Brass Nuts	25	38
	704A-1	1-½" P-Trap – 17 Ga. w/ 10" Wall Tube	25	39
	704G-1	1-½" P-Trap – 17 Ga. w/ Ground Joint	25	36
	704GBN-1	1-½" P-Trap – 17 Ga. w/ Ground Joint and Brass Nuts	25	37
	704GBN-3	1-½" P-Trap – 17 Ga. w/ Ground Joint and Brass Nuts, Unfinished Brass	25	38
	704GDFBN-1	1-½" P-Trap – 17 Ga. w/ Ground Joint, Deep Flange and Brass Nuts	25	37

Data is subject to manufacturing tolerances.

Visit www.dearbornbrass.com for updates

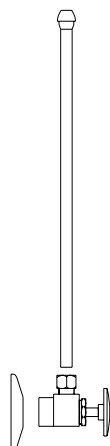
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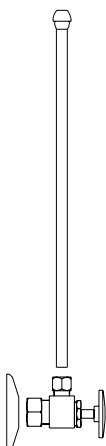
**STANDARD STOP WITH FLEXIBLE
LAVATORY SUPPLY**
Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC
TAG

Engineering Specification: Zurn Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC Two Zurn chrome plated, solid brass angle stops with round wheel handles or loose key as specified, two 12"[305mm] flexible chrome plated copper lavatory risers complete with two chrome plated steel flanges. Z8808-XL-LR-PC and Z8808-XL-LRLK-PC include 5"[127mm] chrome plated copper extension tubes and deep bell steel flanges.

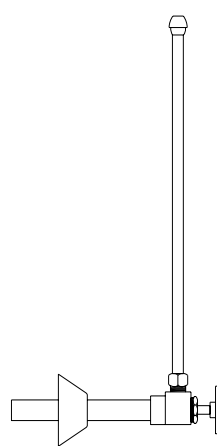
Zurn Lead Free products (-XL), is the line of durable, high quality brass faucets and fixtures that are designed and manufactured to comply with state laws and local codes that mandate lead content levels. Zurn Lead Free products (-XL) are manufactured with less than one quarter of one percent (0.25%) total lead content by weighted average.



Z8802



Z8804



Z8808

PRODUCT NUMBER	CONNECTIONS	EXT.	MASTER CARTON	WEIGHT CARTON	
				LR	LRLK
Z8802-XL-LR-PC	1/2 [13] IPS x 3/8 [10] OD	-	25	24	
Z8802-XL-LRLK-PC	1/2 [13] IPS x 3/8 [10] OD	-	25		25
Z8804-XL-LR-PC	1/2 [13] NOM x 3/8 [10] OD	-	25	24	
Z8804-XL-LRLK-PC	1/2 [13] NOM x 3/8 [10] OD	-	25		25
Z8808-XL-LR-PC	1/2 [13] SWT x 3/8 [10] OD	5	25	28	
Z8808-XL-LRLK-PC	1/2 [13] SWT x 3/8 [10] OD	5	25		33

SUFFIXES

- ___ - **A** Single supply option
- ___ - **C1** Standard Line Lock Shield Cap
- ___ - **CE** Chrome Plated, Cast Brass, Flange with setscrew
- ___ - **D** Chrome Plated Steel, Deep Bell Flange (Bell Type)
- ___ - **WD** Wrought Brass, Deep Flange, (Bell Type)
- ___ - **XP** Cross Handle
- ___ - **15** 15[381] Supply Tube
- ___ - **20** 20[508] Supply Tube
- ___ - **30** 30[762] Supply Tube
- ___ - **36** 36[914] Supply Tube

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

ZURN INDUSTRIES, LLC ♦ COMMERCIAL BRASS OPERATION ♦ 2640 SOUTH WORK STREET ♦ FALCONER NY 14733

Phone: 1-800-997-3876 ♦ Fax: 1-919-775-3541 ♦ www.zurn.com

In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905/405-8272 Fax: 905/405-1292

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Rev. Date: 9/11/09 C.N. No. 125288
Dwg. No. 93347 Product No. Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

LT DOUBLE BOWL LAUNDRY SINK

VENDOR PART	VENDOR	DESCRIPTION	PAGE
27F	MUSTEE	UTILATWIN LAUNDRY/UTILITY TUB PREMIE...	127
2131LF	DELTA	TWO HANDLE LAUNDRY FAUCET	129
704-1	OATEY MANUFACTU	1-1/2" P-TRAPS WITHOUT CLEANOUT	130
Z8804-XL-LR	ZURN	STANDARD STOP WITH FLEXIBLE LAVATORY ...	131



MUSTEE
Preferred by the "Pros"

27F and 27W UTILATWIN® Laundry/Utility Tubs — Premier

SEE PAGE 2 FOR A LIST OF ACCESSORIES!



Design features:

- High strength, one piece molded construction
- Produced with Mustee's proprietary structural thermoplastic resins and innovative cellular molding process creating extreme strength & durability
- Includes Twin-Drain Waste connector which joins drain assemblies to assure rapid and uniform waste water discharge...includes washers, slip nuts and stoppers.
- Divider wall between tubs is recessed one inch, permitting water to overflow from one tub to other, prevents water spilling onto floor.
- Large, self-draining back shelf with retainer curb that prohibits water run-off except into tub.
- 19 Gallon capacity per tub, extra deep 13" tubs with smooth surfaces
- Connects to standard 1½" P or S trap
- Accommodates single or dual-handle faucets. 4" or 8" centers
- Floor model includes heavy gauge steel legs with adjustable levelers
- Wall model includes wall mounting bracket, side supports and mounting hardware for securing tub to concrete or stud wall
- Mold and mildew-resistant components
- Easy to assemble and install
- Color-fast white finish

Code Accepted:

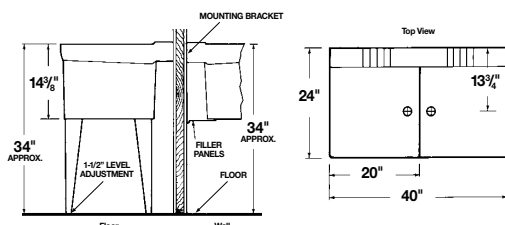
UTILATUB® and UTILATWIN® Laundry/Utility Tubs meet or exceed performance requirements as listed:

- International Association of Plumbing and Mechanical Officials (IAPMO)® Listed
- Warnock Hersey® (Canada) Listed—CSA test standards: Laundry Tray - #B45.0 and #B45.5; Drain - #B125
- American National Standards Institute (ANSI)—Specification Z 124.6



Specifications

Colors & Models:	Model	Mounting	H x W x D	UPC
White	27F	Floor	34" x 40" x 24"	6 71031 00057 6
White	27W	Wall	34" x 40" x 24"	6 71031 00058 3



General: Furnish and install as shown on plans. UTILATWIN® Twin Laundry/Utility Tub model____(27F, 27W), as manufactured by E.L. Mustee & Sons, Inc. Tub shall be one-piece molded construction using structural thermoplastics with matched metal molds under extreme heat and pressure. Tub to include integrally molded drains, twin drain waste coupling, recessed divider wall between tubs and twin drain assembly for connection to standard 1-1/2" P or S-trap, stoppers and wall mounting hardware or heavy gauge steel legs with built-in levelers. 19 gallon capacity per tub, each tub 13" deep. Shall meet ANSI Specification Z 124.6. Color: White. Weight: 27F 40 lbs.; 27W 40 lbs.



MUSTEE

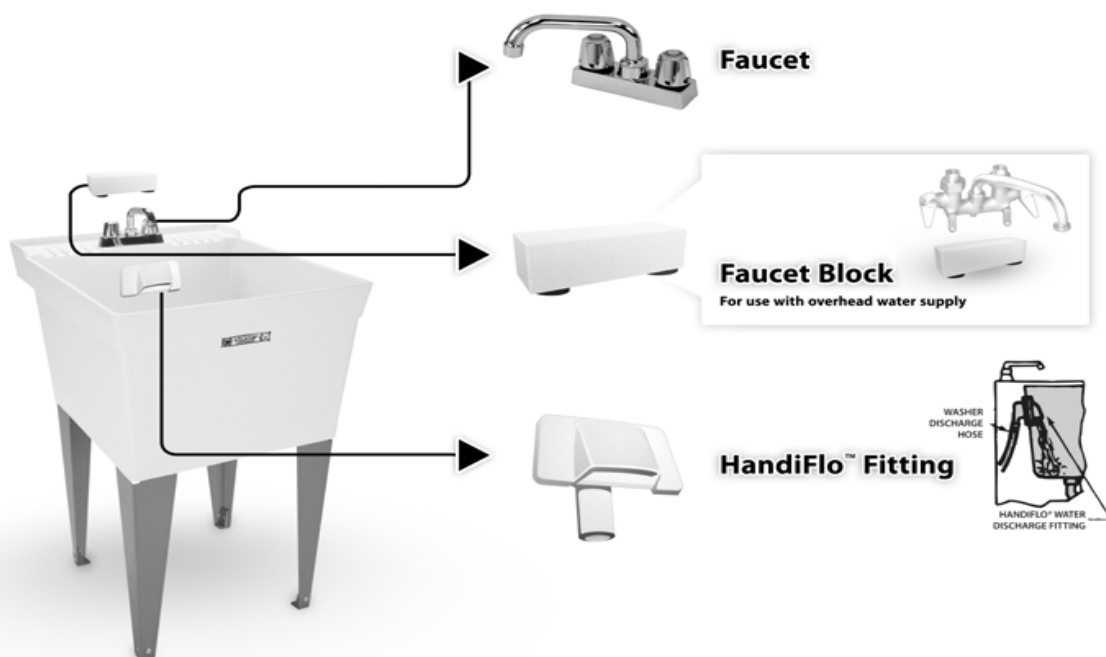
E.L. Mustee & Sons, Inc. • 5431 West 164th Street • Brook Park, OH 44142 • Phone: 216.267.3100 • Fax: 216.267.9997
E-mail: info@mustee.com • Web: www.mustee.com • Proudly made in the USA

Notice: Our continuous commitment to product improvement may result in changes to product specifications without notice.
Patents pending. Made and Printed in U.S.A.



MUSTEE
Preferred by the "Pros"

27F and 27W UTILATWIN® Laundry/Utility Tub Accessories



► Faucet



Model No.

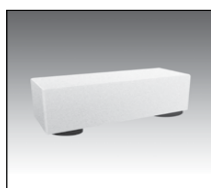
UPC

93.600

6 71031 00232 7

Chrome finish, 4" center set brass faucet. 7" swing spout with aerator, level handles, replaceable seats and stems. Aerator or hose end.

► Faucet Block



Model No.

UPC

20.600

6 71031 00031 6

Used when water supply lines are above the tub. Mounts to tub shelf when using a clamp-on faucet.

► HandiFlo™ Fitting



Model No.

UPC

94.700

6 71031 00287 7

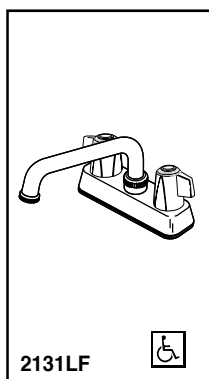
Dispenses water from washing machine discharge hose into laundry tub. Eliminates draping washer machine hose over back/side wall of laundry tub and conceals discharge hose. Mounts to back or side wall of laundry tub, includes mounting hardware.



MUSTEE

E.L. Mustee & Sons, Inc. • 5431 West 164th Street • Brook Park, OH 44142 • Phone: 216.267.3100 • Fax: 216.267.9997
E-mail: info@mustee.com • Web: www.mustee.com • Proudly made in the USA

Notice: Our continuous commitment to product improvement may result in changes to product specifications without notice.
Patents pending. Made and Printed in U.S.A.



SPECIALTY FAUCETS

- Two Handle Laundry Faucet
- Deck Mount
- 2 or 3 Hole Sink Applications
- 4" (102 mm) Centerset

STANDARD SPECIFICATIONS:

- Two handle deck faucets for exposed mounting on 2 or 3 hole sinks.
- Solid brass cast body.
- 4" (102 mm) Centerset.
- 7" (178 mm) long, 4 5/8" (117 mm) high spout swings 360°.
- Hot and cold stems are interchangeable.
- Control mechanism shall be of the rotating cylinder type with stainless steel plate and 90° rotation, with replaceable non-metallic seats.
- 1/2"-14 NPSM threaded male shanks.
- Spout has hose thread.

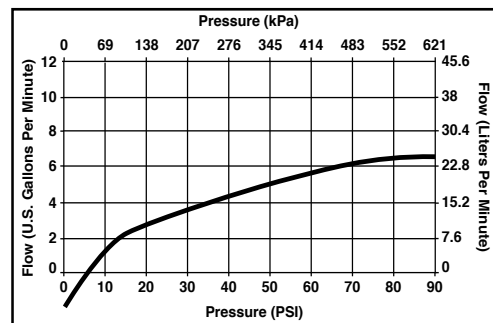
WARRANTY

- Lifetime Faucet and Finish Limited Warranty to the original consumer purchaser to be free from defects in material and workmanship.
- 5 Year Limited Warranty for usage in all industrial, commercial and business applications.



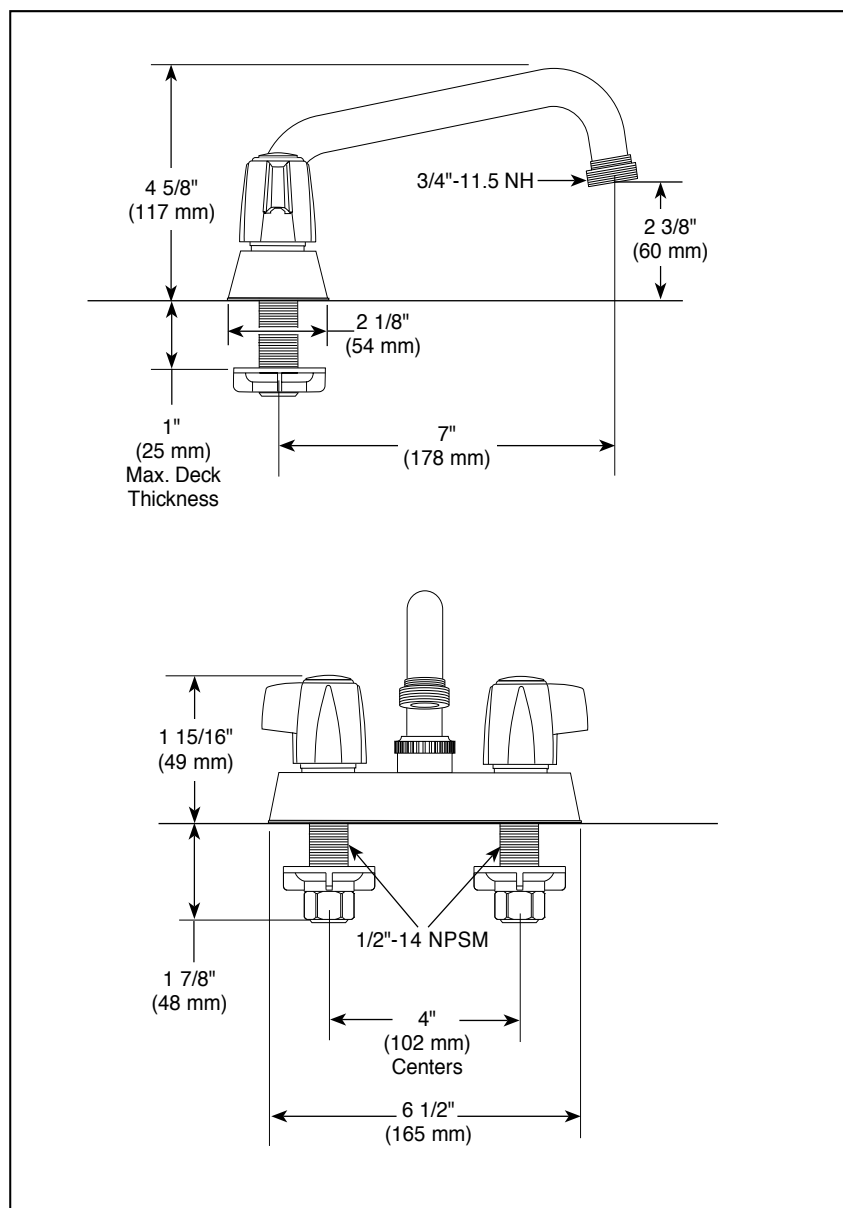
COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- Indicates compliance to ICC/ANSI A117.1
- Verified compliant with .25% weighted average Pb content regulations.



55 E. 111th Street, Indianapolis, Indiana 46280
 350 South Edgware Road, St. Thomas, ON N5P 4L1
 © 2012 Masco Corporation of Indiana

Submitted Model No.: _____
 Specific Features: _____



Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See full-line price book or www.specselect.com for finish options and product availability.

DSP-S-2131LF Rev. A



**Dearborn®
Brass**

4675 W. 160th St.
Cleveland, Ohio 44135
Ph: (800) 321-9532
Fax: (800) 321-9535
www.dearbornbrass.com

SUBMITTAL SPECIFICATION

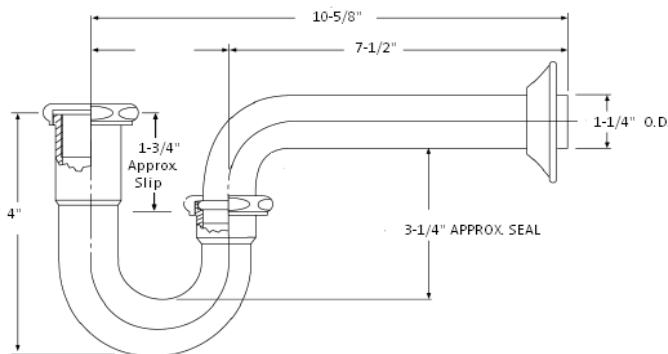
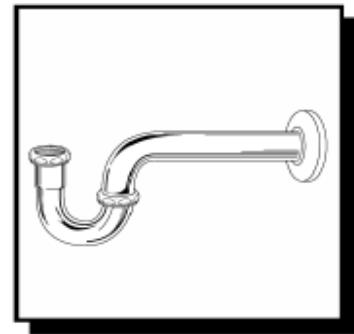
BRASS TUBULAR 1-½" P-TRAP WITHOUT CLEANOUT

Engineering Specification: Dearborn Brass 1-½" Brass Tubular P-Trap without Cleanout are designed for use in tubular drain applications. Available in 17, 20 or Budget Gauge Brass. Options include Brass Nuts, Deep Flange, Longer Wall Tube, Ground Joint and Unfinished Brass.

Job Reference

DESCRIPTION

- Chrome Finished
- 1-½" P-Trap Without Cleanout
 - o (1) Metal Flange
 - o (1) Quarter Bend
 - o (1) J-Bend
 - o (2) Rubber Washers
 - o (2) Nuts



✓	Product No.	Description	Carton Quantity	Carton Weight (lbs)
	2702-1	1-½" P-Trap – Budget Ga.	25	23
	2702DF-1	1-½" p-Trap – Budget Ga. w/ Deep Flange	25	25
	702-1	1-½" P-Trap – 20 Ga.	25	28
	702BN-1	1-½" P-Trap – 20 Ga. w/Brass Nuts	25	30
	702DF-1	1-½" P-Trap – 20 Ga. w/ Deep Flange	25	29
	702DFBN-1	1-½" P-Trap – 20 Ga. w/ Deep Flange and Brass Nuts	25	31
	702A-1	1-½" P-Trap – 20 Ga. w/ 11.25" Wall Tube	25	35
	704-1	1-½" P-Trap – 17 Ga.	25	35
	H704-3	1-½" P-Trap – 17 Ga., Unfinished Brass – Display Box	6	8
	704BN-1	1-½" P-Trap – 17 Ga. w/ Brass Nuts	25	36
	704DF-1	1-½" P-Trap – 17 Ga. w/ Deep Flange	25	36
	704DFBN-1	1-½" P-Trap – 17 Ga. w/ Deep Flange and Brass Nuts	25	38
	704A-1	1-½" P-Trap – 17 Ga. w/ 10" Wall Tube	25	39
	704G-1	1-½" P-Trap – 17 Ga. w/ Ground Joint	25	36
	704GBN-1	1-½" P-Trap – 17 Ga. w/ Ground Joint and Brass Nuts	25	37
	704GBN-3	1-½" P-Trap – 17 Ga. w/ Ground Joint and Brass Nuts, Unfinished Brass	25	38
	704GDFBN-1	1-½" P-Trap – 17 Ga. w/ Ground Joint, Deep Flange and Brass Nuts	25	37

Data is subject to manufacturing tolerances.

Visit www.dearbornbrass.com for updates

06/2009



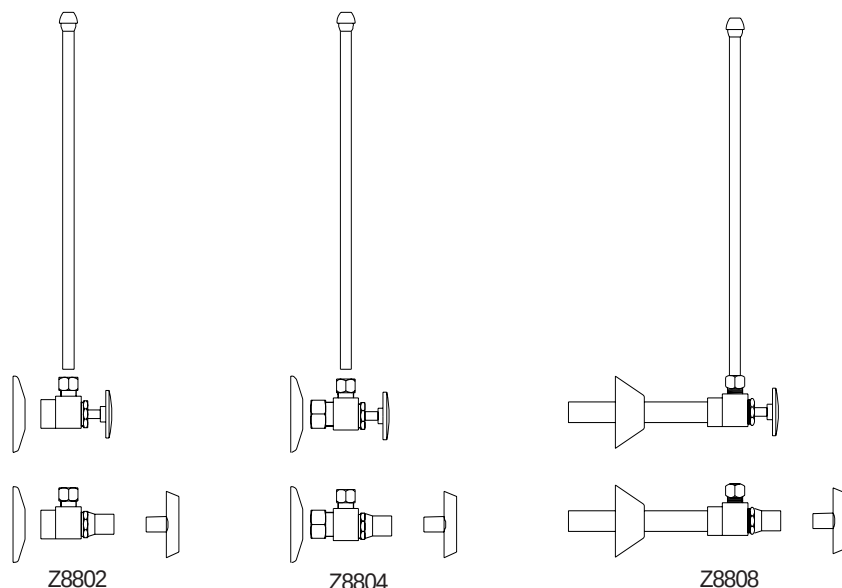
STANDARD STOP WITH FLEXIBLE LAVATORY SUPPLY

Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

TAG

Engineering Specification: Zurn Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC Two Zurn chrome plated, solid brass angle stops with round wheel handles or loose key as specified, two 12"[305mm] flexible chrome plated copper lavatory risers complete with two chrome plated steel flanges. Z8808-XL-LR-PC and Z8808-XL-LRLK-PC include 5"[127mm] chrome plated copper extension tubes and deep bell steel flanges.

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PRODUCT NUMBER	CONNECTIONS	EXT.	MASTER CARTON	WEIGHT CARTON	
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Z8804-XL-LR-PC	1/2 [13] NOM x 3/8 [10] OD	-	25	24	
Z8804-XL-LRLK-PC	1/2 [13] NOM x 3/8 [10] OD	-	25		25
Z8808-XL-LR-PC	1/2 [13] SWT x 3/8 [10] OD	5	25	28	
Z8808-XL-LRLK-PC	1/2 [13] SWT x 3/8 [10] OD	5	25		33

SUFFIXES

- ___ - **A** Single supply option
- ___ - **C1** Standard Line Lock Shield Cap
- ___ - **CE** Chrome Plated, Cast Brass, Flange with setscrew
- ___ - **D** Chrome Plated Steel, Deep Bell Flange (Bell Type)
- ___ - **WD** Wrought Brass, Deep Flange, (Bell Type)
- ___ - **XP** Cross Handle
- ___ - **15** 15[381] Supply Tube
- ___ - **20** 20[508] Supply Tube
- ___ - **30** 30[762] Supply Tube
- ___ - **36** 36[914] Supply Tube

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

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Phone: 1-800-997-3876 ♦ Fax: 1-919-775-3541 ♦ www.zurn.com

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Rev. Date: 9/11/09 C.N. No. 125288
Dwg. No. 93347 Product No. Z8802-XL-LR-PC TO Z8808-XL-LRLK-PC

DF-1 DRINKING FOUNTAIN

VENDOR PART	VENDOR	DESCRIPTION	PAGE
EZSTL8LC	ELKAY	VERSATILE WALL MOUNT BI-LEVEL ADA COOLER	133

ELKAY®

SPECIFICATIONS

Versatile Bi-Level Water Cooler Pushbar Activated Models EZ(S)TL8 and Model EZ(S)TLDD

RATED FOR INDOOR USE ONLY

PRODUCT SPECIFICATION

Self-contained wall mount electric two-level water cooler. Models EZ(S)TL8 and EZTL8 shall deliver 8 GPH of 50°F drinking water at 90°F ambient and 80°F inlet water. Models EZ(S)TLDD shall deliver non-chilled drinking water. Unit shall meet ADA guidelines. Unit shall be lead-free design which is certified to NSF/ANSI 61 and 372 and meets Federal and State low-lead requirements. Unit shall be certified to UL399 and CAN/CSA 22.2 No. 120.

Models EZSTL have self-closing Easy-Touch pushbar controls on front & sides. Models EZTL have self-closing Easy-Touch pushbar controls on front only. Models EZ(S)TLDD are non-refrigerated. Requires outlet for power cord.

NOTE: Minimum 40 psi supply line pressure required in special circumstances where both sides of two-level are in use simultaneously to ensure adequate stream height.

STANDARD FEATURES

- Easy-Touch pushbar activation
- Extra deep basin minimizes splashing; with integral drain
- Available with Flexi-Guard® Safety bubbler or Vandal-resistant[†] bubbler
- Vandal-resistant[†] bubbler (includes "VR" code in model no.)
- Valve with built-in flow regulator to provide constant stream from 20 to 105 psi water pressure
- *Versatile cooler design allows units to be installed either left-hand high and right-hand low or left-low and right high
- Cooler panel finishes: Light Gray Granite Vinyl Clad Steel or Stainless Steel
- Rated for Indoor Use

COOLING SYSTEM (Models EZ(S)TL(VR)8 only)

- Compressor: Hermetically-sealed, reciprocating type, single phase. Sealed-in lifetime lubrication.
- Condenser: Fan cooled, copper tube with aluminum fins. Fan motor is permanently lubricated.
- Cooling Unit: Tube type. Self-cleansing. Continuous Copper tubing which is fully insulated with EPS foam that meets UL requirements for self-extinguishing material.
- Refrigerant Control: Refrigerant R134a is controlled by accurately calibrated capillary tube.
- Temperature Control: Easily accessible enclosed adjustable thermostat is factory preset. Requires no adjustment other than for altitude requirements.



*Versatile cooler configuration as shipped



*Versatile cooler configuration alternate installation



CONSTRUCTION

- Stainless Steel basin with integral drain
- Galvanized structural steel cooler chassis provides structural integrity
- Cooler cabinet available as Light Gray Granite Vinyl Clad Steel or Stainless Steel (additional cost) construction
- Exclusive Flexi-Guard® Safety bubbler (option) utilizes an infused anti-microbial pliable polyester elastomer to prevent accidental mouth injuries. Flexes on impact.
- Vandal-resistant[†] bubbler (option) is one-piece, heavy duty construction

Warranty: 5 year limited warranty on the unit's refrigeration system. Electrical components and water system are warranted for 12 months from date of installation or 18 months from factory shipment, whichever date falls first.

CAPACITIES CHART								
Model	Voltage / Hertz	Chilling** Capacity	F.L. Amps	Rated Watts	Approx. Ship Wt.	UL399 and CAN/CSA 22.2 No. 120 Certified	ADA Compliant	ANSI/NSF 61 and 372 Certified
† EZ(S)TL8*(F)C	115V / 60Hz	8 GPH	4.0	370	72 lbs.	•	•	•
EZ(S)TLVR8*C	115V / 60Hz	8 GPH	4.0	370	72 lbs.	•	•	•
EZ(S)TL(VR)8*2JOC	220V / 50Hz	6.7 GPH	2.0	370	72 lbs.	++	•	•
† EZ(S)TLDD*C	115V / 60Hz	—	1.0	15	46 lbs.	•	•	•
EZ(S)TLVRDD*C	115V / 60Hz	—	1.0	15	46 lbs.	•	•	•

*Color code of (L) Light Gray Granite or (S) Stainless Steel cooler panels.

**Based on 80°F inlet water & 90°F ambient air temp for 50°F chilled drinking water.

++Complies; not third party certified.

† Glass filler available at extra cost, add code (F). Requires factory preparation to receive glass filler.

This specification describes an Elkay product with design, quality and functional benefits to the user. When making a comparison of other producer's offerings, be certain these features are not overlooked.

In keeping with our policy of continuing product improvement, Elkay reserves the right to change specification without notice. Please visit elkay.com for the most current version.

2222 Camden Court
Oak Brook, IL 60523
630-572-3192
elkay.com

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SPEC12-24 (09/2015)

Versatile Bi-Level Water Cooler
Pushbar Activated
Models EZ(S)TL8 and Model EZ(S)TLDD

ELKAY®
ROUGH-IN DIMENSIONS

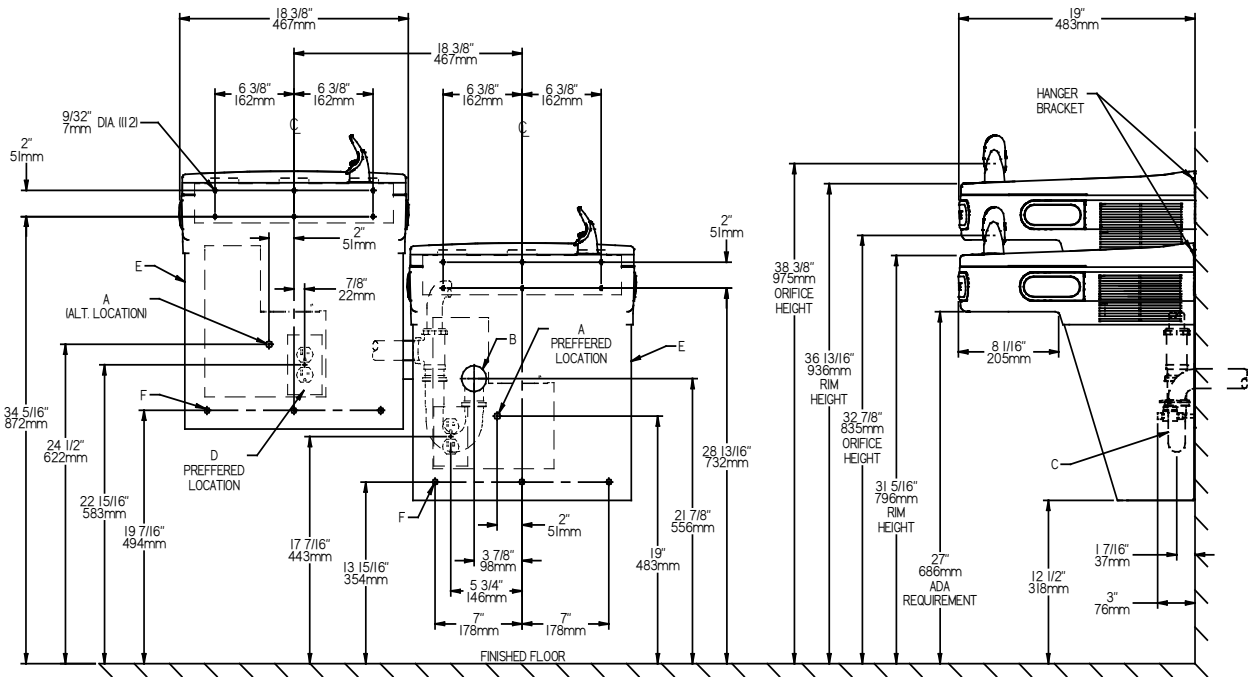
RATED FOR INDOOR USE ONLY

IMPORTANT! INSTALLER PLEASE NOTE:
These units are designed and built to provide water to the user which has not been altered by materials in the cooler waterway. The grounding of electrical equipment such as telephone, computers, etc. to water lines is a common procedure. This grounding may be in the building but may also occur away from the building. This grounding can cause electrical feedback into a water cooler creating an electrolysis which results in a metallic taste or an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as shown.

NOTICE
This water cooler must be connected to the water supply using a dielectric coupling. The cooler is furnished with a non-metallic strainer which meets this requirement. The drain trap which is provided by the installer should also be plastic to completely isolate the cooler from the building plumbing system.

Model shown with Flexi-Guard® bubbler.

ROUGH-IN FOR LEFT-HAND HIGH SIDE MODELS



REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDRENS ADA COOLER

LEGEND:
A = Recommended Water Supply location. Shut-off Valve (not furnished) to accept 3/8" O.D. unplated copper tube. Up to 3" (76mm) maximum out from wall.
B = Recommended Waste Outlet location. To accommodate 1-1/2" nominal drain. Drain stub 2" (51mm) out from wall.
C = 1-1/2" Trap (not furnished).
D = Electrical Supply (3) Wire Recessed Box Duplex Outlet.
E = Insure proper ventilation by maintaining 6" (152mm) minimum clearance from cabinet louvers to wall.
F = 7/16" (11mm) Bolt Holes for fastening to wall.
NOTE: New Installations Must Use Ground Fault Circuit Interrupter (GFCI)

Job Name:	_____
Model:	_____ Qty. _____
Contact:	_____
Approval Signature:	_____
Notes:	_____

Versatile Bi-Level Water Cooler
Pushbar Activated
Models EZ(S)TL8 and Model EZ(S)TLDD

ELKAY®
ROUGH-IN DIMENSIONS

RATED FOR INDOOR USE ONLY

IMPORTANT! INSTALLER PLEASE NOTE:

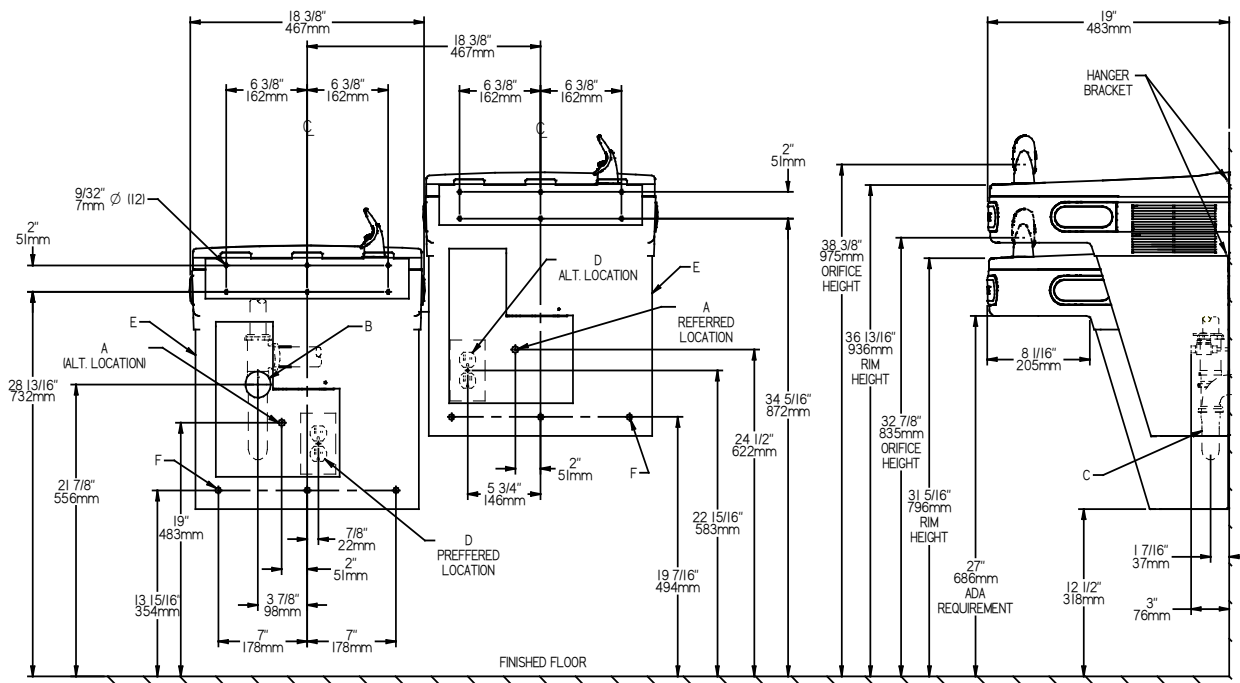
These units are designed and built to provide water to the user which has not been altered by materials in the cooler waterway. The grounding of electrical equipment such as telephone, computers, etc. to water lines is a common procedure. This grounding may be in the building but may also occur away from the building. This grounding can cause electrical feedback into a water cooler creating an electrolysis which results in a metallic taste or an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as shown.

NOTICE

This water cooler must be connected to the water supply using a dielectric coupling. The cooler is furnished with a non-metallic strainer which meets this requirement. The drain trap which is provided by the installer should also be plastic to completely isolate the cooler from the building plumbing system.

Model shown with Flexi-Guard® bubbler.

ROUGH-IN FOR RIGHT-HAND HIGH SIDE MODELS



REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDRENS ADA COOLER

LEGEND:

- A = Recommended Water Supply location. Shut-off Valve (not furnished) to accept 3/8" O.D. unplated copper tube. Up to 3" (76mm) maximum out from wall.
- B = Recommended Waste Outlet location. To accommodate 1-1/2" nominal drain. Drain stub 2" (51mm) out from wall.
- C = 1-1/2" Trap (not furnished).
- D = Electrical Supply (3) Wire Recessed Box Duplex Outlet.
- E = Insure proper ventilation by maintaining 6" (152mm) minimum clearance from cabinet louvers to wall.
- F = 7/16" (11mm) Bolt Holes for fastening to wall.

NOTE: New Installations Must Use Ground Fault Circuit Interrupter (GFCI)

Job Name: _____
Model: _____ Qty. _____
Contact: _____
Approval Signature: _____
Notes: _____

DF-2 DRINKING FOUNTAIN

VENDOR PART	VENDOR	DESCRIPTION	PAGE
OAF120	OASIS	OASIS BRACKET MOUNTED DRINKING FOUNTAIN	137



BRACKET MOUNTED DRINKING
FOUNTAIN

F120

Suggested Specification

Model F120 is a non-refrigerated stainless steel drinking fountain for direct connection to a cold water supply or for use with remote water chillers. Basin shall be brushed stainless steel. Shall be listed by Underwriter's Laboratories to U.S and Canadian standards and conform to European Union Directives.

Models

F120 is a non-refrigerated stainless steel drinking fountain for direct connection to a cold water supply or for use with remote water chillers.

Standard Features

- > Waterways are Lead-Free in Materials & Construction
- > Dial-A-Drink® Bubbler
- > Stainless Steel Basin
- > Chrome-Plated Brass Strainer and Tailpiece
- > Satin Finish Stainless Steel
- > Limited 1-Year Warranty

Finishes

- > Standard Basin Finish: Stainless Steel

Installation

- > Prior to roughing-in, consult local, state and federal codes for proper mounting height.
- > Shipped with complete instructions and wall mounting bracket.



Limited 1-Year Warranty (Continental limits of the United States and Canada): One year from date of installation on parts only.

Export Warranty: One year on component parts.

Models covered by this specification comply with all known Plumbing Codes. Listed by Underwriters' Laboratories to U.S. and Canadian standards and conform to European Union Directives.

Components in this fountain are lead free as defined by the Safe Drinking Water Act Amendments of 1986, and the Lead Contamination Control Act of 1988.

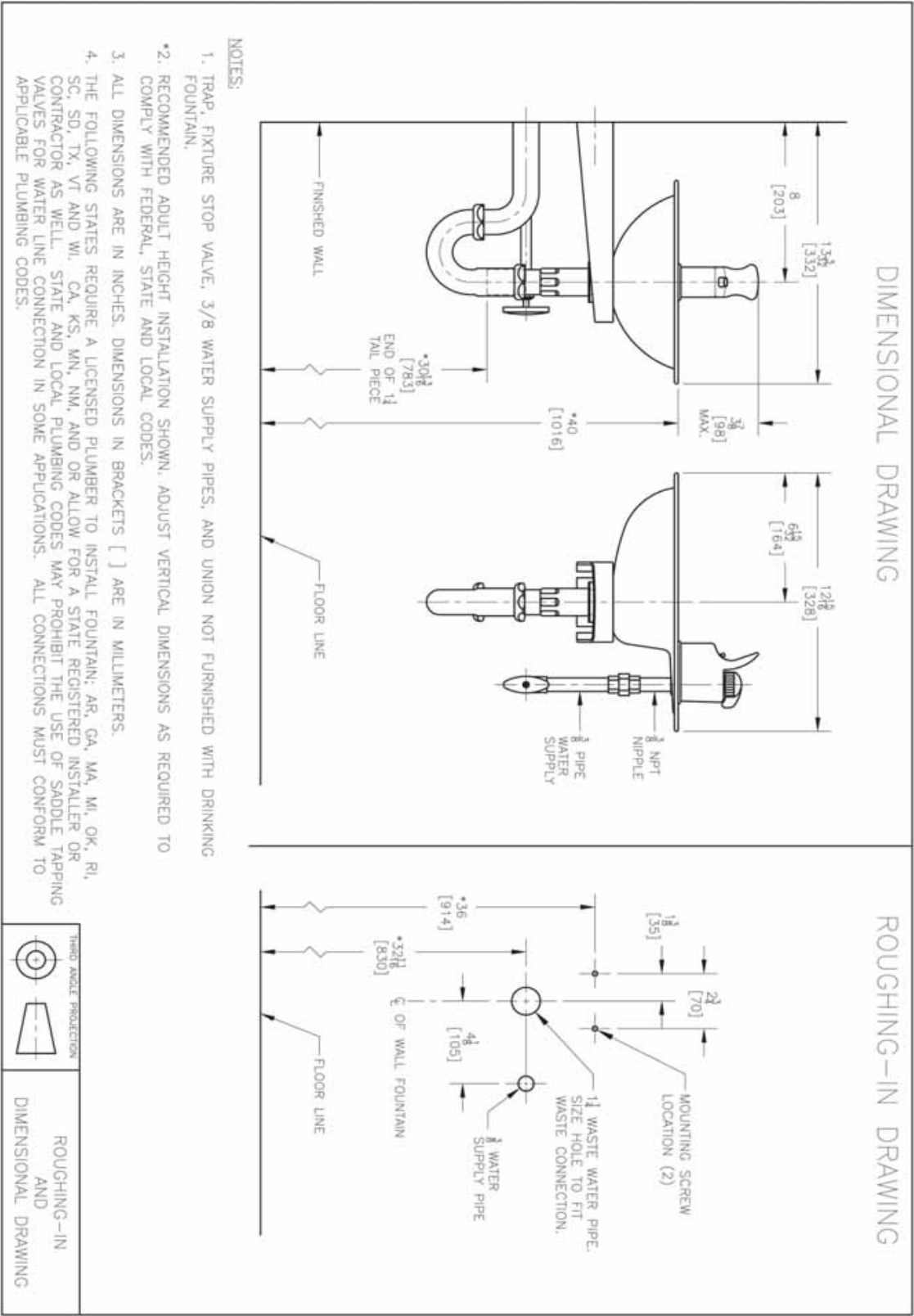
Product Certified to NSF/ANSI Standard 61, Annex G and is in compliance with California's Health & Safety Code Section 116875 (commonly known as AB1953) weighted average lead content <=0.25%.



Physical Dimensions in Inches						
Model	Style	Height	Width	Depth	Extended From Wall	Net Weight Approx.
F120	Bracket Mounted	9 3/16"	13"	13 3/32"	13 3/32"	6 lbs.

Specifications subject to change without notice

OASIS™ BRACKET MOUNTED ON-A-WALL DRINKING FOUNTAIN MODEL F120



Form 3978 | Rev. 06/11
Oasis International • 222 East Campus View Blvd. • Columbus, OH 43235
For Customer Service and Technical HelpLine assistance call: 800.950.3226



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PS POOL SHOWER

VENDOR PART	VENDOR	DESCRIPTION	PAGE
T13H163	DELTA	UNIVERSAL SHOWER TRIM	140
R10000-MFWS	DELTA	MULTICHOICE UNIVERSAL TUB AND SHOWER...	142

MultiChoice™ Universal Pressure Balance Tub and Shower

TECK®
COMMERCIAL

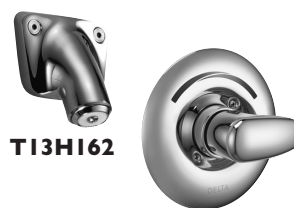


Specification: (example)

- ☐ **R10000-UNWS** ROUGH-IN only
 - Concealed in-wall MultiChoice™ universal valve
 - Back-to-back capability, Integral screwdriver stops
 - **Heavy Duty forged brass** valve body
 - 1/2" Universal inlets to accept 1/2" copper, 1/2" iron pipe, PEX or CPVC adaptors
 - 1/2" Male thread inlets/outlets
 - ☐ **FINISH TRIM ONLY:**
 - Pressure Balancing cartridge with checks
 - Polished chrome plated finish
 - Non-removeable red/blue temperature markings
- and ... with ... (add product variation)
with ... (add shower)
with ... (add valve handle)



T13H153



T13H162

Engineer/Architect Approval

Model Specified:

Approval:

Date:

TUB AND SHOWER DESCRIPTION	PRODUCT NO.
ROUGH-IN Valve	R10000-UNWS
FINISH TRIM only	T13H



PRODUCT VARIATION	SHOWER	HANDLE
0 ☐	0 Specify "0" When No Shower Outlet Required ☐	0 ☐
1 Shower Valve Only  ☐	1 Standard Brass Fixed Spray Showerhead Arm & Flange 2.2 USGPM (8.4 L/min.)  ☐	1 ☐
2 Tub and Shower  ☐	2 3-Function Touch-Clean Showerhead, Arm & Flange 2.5 USGPM (9.5 L/min.)  ☐	2 85mm (3.33") Metal Lever Handle  ☐
3 ☐	3 Showerhead Arm & Flange 1.5 USGPM (5.7 L/min.)  ☐	3 57mm (2.24") Lever Blade Handle  ☐
4 ☐	4 ☐	4 ☐
5 ☐	5 Handshower, 610mm (24") S/S Grab Bar with ADA Slide 1.5 USGPM (5.7 L/min.) (1)  ☐	5 ☐
6 ☐	6 30° Vandal Resistant Cast Wallmount Showerhead 1.5 USGPM (5.7 L/min.)  ☐	6 ☐
7 ☐	7 ☐	7 ☐
8 ☐	8 H ₂ Okinetic Technology® Showerhead, Arm & Flange, 1.5 USGPM (5.7 L/min.)  ☐	8 ☐
9 ☐	9 ☐	9 ☐

Set screw shower arm flange supplied on Shower Option No. 1, 2, 3 and 8. (1) Two check valves in handshower. Refer to www.specselect.com for individual models.

See Page DSP-B-R10000-HDF for additional Rough-In options.

Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

Flowrates are at 80 PSI. See Page DSP-SHWA Rev. C for Add-On options available. Note: Use this page front and back as a product submittal sheet.

DSP- T13H1 Rev. C



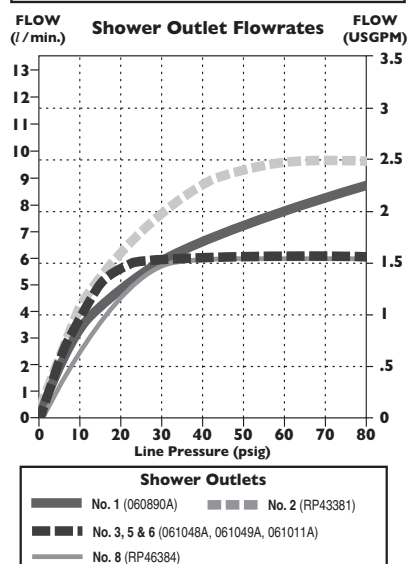
TECK®
COMMERCIAL

MultiChoice™ Universal Pressure Balance Tub and Shower

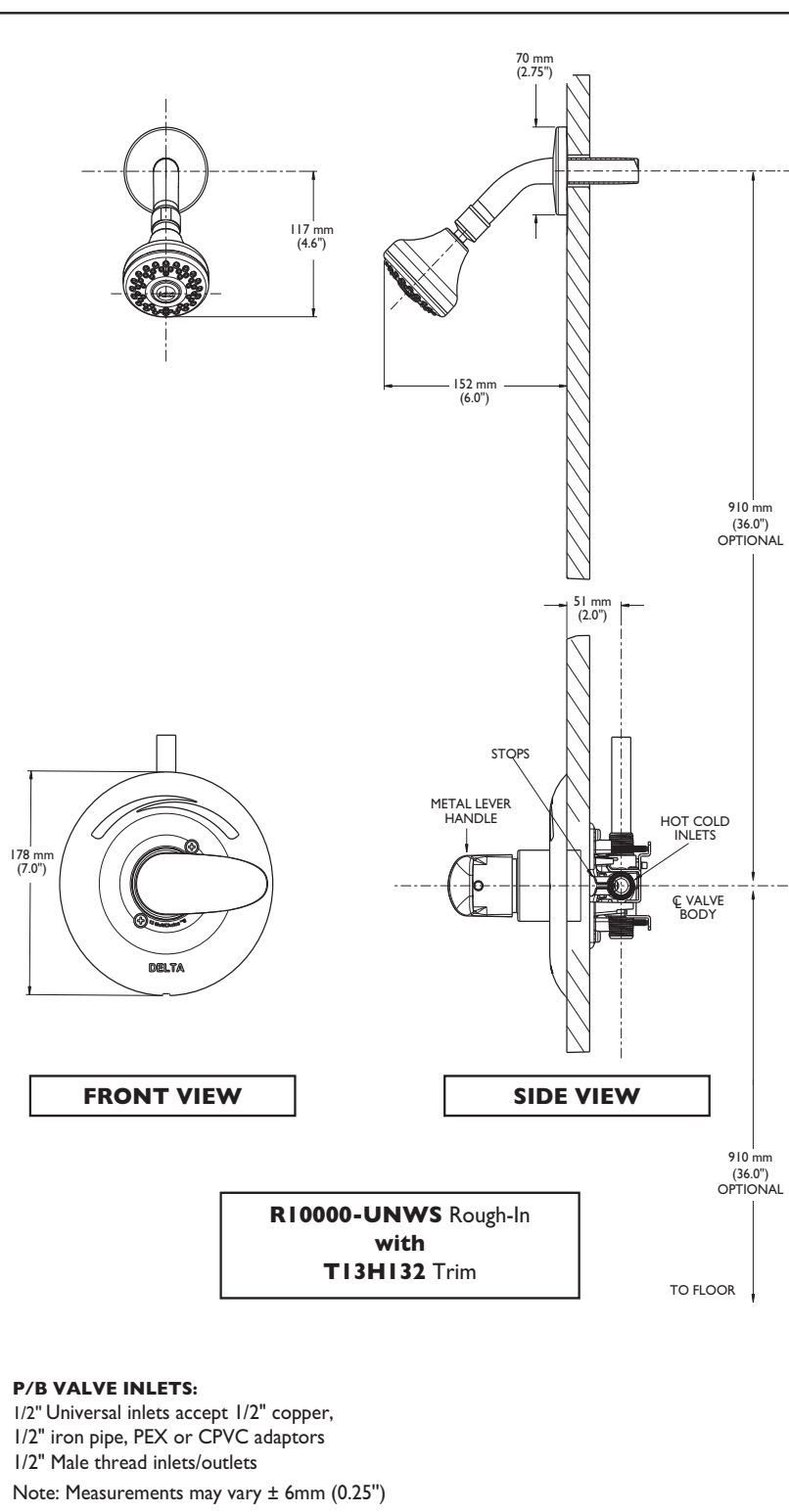
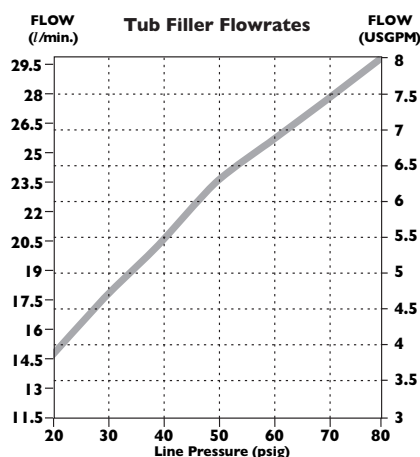
Approvals:

- CSA certified
 - Complies to ASME A112.18.1
 - Pressure Balance Handle ADA Compliant and meet Handicapped Accessibility Standard ASME A117.1 of less than 5 lbs. operating force.
 - Pressure Balance Valve ASSE 1016
 - Handshower back flow protection provided by two integral certified check valves in series, which operate independently, ASME A112.18.3 and ASME A112.18.1 / CSA B125.1.
 - IAPMO listed
- (Contact Delta Representative for State and/or Local Approvals.)

FLOWRATE vs PRESSURE



FLOWRATE vs PRESSURE

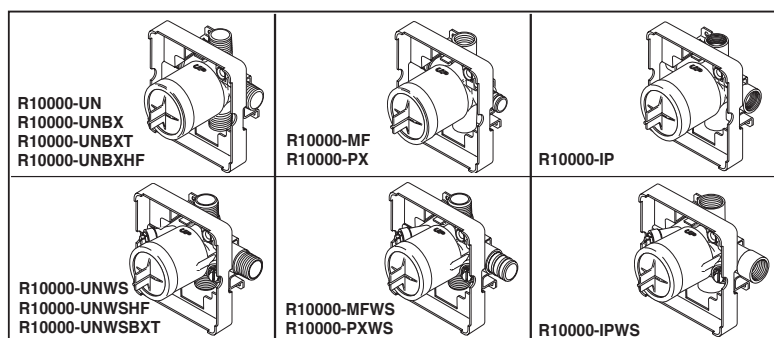


Refer to www.specselect.com for individual models.

Note: Use this page front and back as a product submittal sheet.

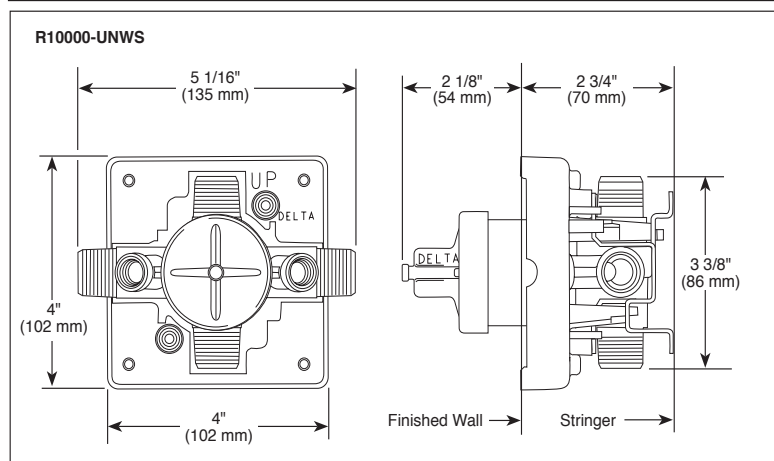
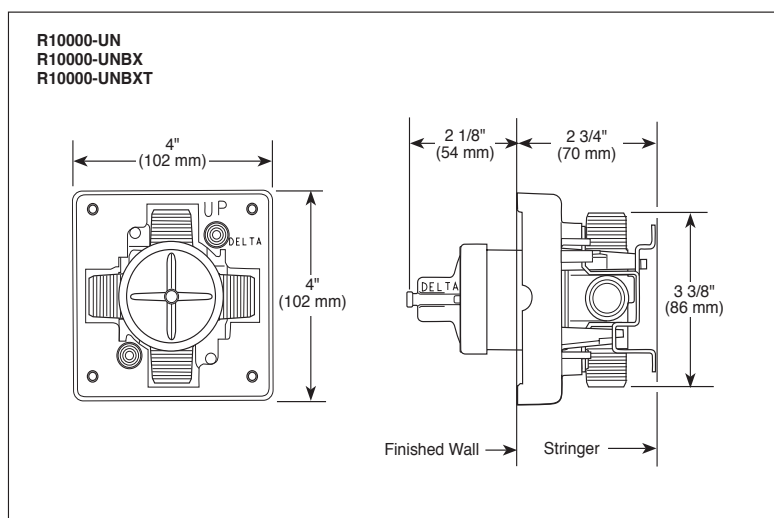
DSP-T13H1 Rev. C

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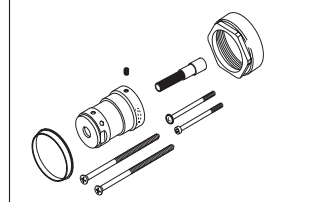


Submitted Model No.:

Specific Features:



RP75136 Available Extension Kit



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DSP-B-R10000 Rev. H

DELTA

MULTICHOICE® UNIVERSAL ROUGH VALVE BODY

- R10000-UN (Universal Inlets/Outlets)
- R10000-UNBX (Universal Single Box Model)
- R10000-UNBXHF (High Flow Shower Only)
- R10000-UNBXT (Thin Wall)
- R10000-UNWS (Universal with Stops)
- R10000-UNWSHF (High Flow with Stops)
- R10000-UNWSBXT (Thin Wall with Stops)
- R10000-PX (Pex Crimp Connections with UN Outlets)
- R10000-PXWS (Pex Crimp Connections with Stop with UN Outlets)
- R10000-IP (IPS Inlets/Outlets)
- R10000-IPWS (IPS with Stops)
- R10000-MF (Pex Cold Expansion Connections with UN Outlets)
- R10000-MFWS (Pex Cold Expansion with Stops with UN Outlets)

STANDARD SPECIFICATIONS:

- Forged brass body.
- Back-to-Back installation capabilities.
- Can be tested with air (200 PSI) or water (300 PSI) without valve using supplied test cap.
- Square plasterguard allows for right angle cuts.
- Thin wall mounting.
- For use with MultiChoice® Universal single or dual function trim. Cartridge ships with trim.
- 1/2" outlets and connections.

Note: No tub outlet in HF model.

Note: Should use proper fitting with each type (copper tubing, iron pipe, and pex fitting).

Note: Should use proper tooling with crimping pex fitting and cold expansion pex models.

Note: IP indicates female 1/2" threaded connections.

Note: UN indicates Universal type fitting and is 1/2" NPT male thread with 1/2" C.W.T. female sweat.

WARRANTY

- Lifetime limited warranty on parts (other than electronic parts and batteries) and finishes: or, for commercial users, for 5 years from date of purchase.
- 5 year limited warranty on electronic parts (other than batteries); or, for commercial users, for 1 year from the date of purchase. No warranty is provided on batteries.



COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1

DELTA
FAUCET COMPANY

55 E. 111th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
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JC MOP SINK

VENDOR PART	VENDOR	DESCRIPTION	PAGE
63M	MUSTEE	MOP SERVICE BASIN	144
28T9	DELTA	TWO HANDLE 8 WALL-MOUNT SERVICE SINK ...	146
28T910	DELTA	STAINLESS STEEL MOP HANGER	148
28T911	DELTA	HEAVY DUTY 48" LONG REINFORCED HOSE A...	150

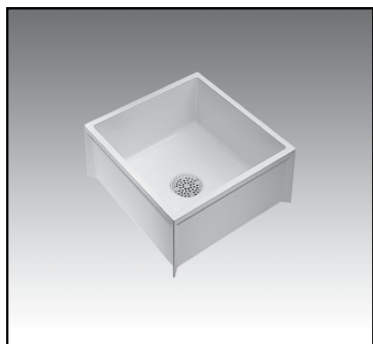


MUSTEE

Preferred by the "Pros"

Mop Service Basin — Model 63M

SEE PAGE 2 FOR A LIST OF ACCESSORIES!



Design features:

- All Mustee basins are one-piece molded from high impact resistant DURASTONE® structural fiberglass (24" x 24")
- Integral, molded-in drain for connection to 3" ABS, PVC (Sch. 80) or cast iron
- Available drain seals for connection to 2" pipe or 3" soil pipe
- Complete range of accessories to meet specific application needs
- Colorfast marbled white finish
- Easy to install

Code Accepted

Mustee Mop Service Basins meet or exceed performance requirements as listed:

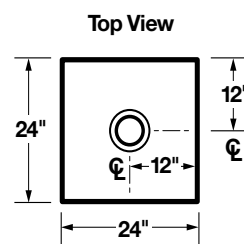
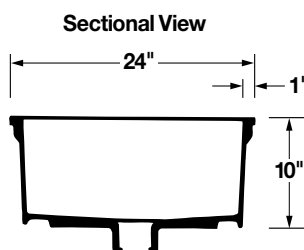
- International Association of Plumbing and Mechanical Officials (IAPMO)® Listed
- Warnock Hersey® (Canada) Listed—CSA test standards: Mop Basins - #B45.0
- American National Standards Institute (ANSI)-Specification Z124.6
- American Society of Testing and Materials (ASTM) D 635 E 84 and E 162
- CAN/ULC S102-07 Burn and Smoke Test



Specifications

Model Number	Model	H x W x D	UPC
63M	White	10" x 24" x 24"	6 71031 00189 4

General: Furnish and install as shown on plans, Mop Service Basin model 63M, as manufactured by E.L. Mustee & Sons, Inc. Unit to be one-piece molded fiberglass made with matched metal molds using extreme heat and pressure. Height shall be 10" with not less than 1" wide shoulder. Size 24" x 24". Drain shall be integrally molded, complete with drain seal for installation of 3" ABS, PVC (Sch. #80) and iron pipe. Removable stainless steel strainer. Performance tested to meet or exceed ANSI Specifications Z 124.1.2, Z 124.6 and FHA/ HUD UM-73. Weight 45 lbs., cubic feet 4.2. Install in compliance with local codes.



MUSTEE

E.L. Mustee & Sons, Inc. • 5431 West 164th Street • Brook Park, OH 44142 • Phone: 216.267.3100 • Fax: 216.267.9997
E-mail: info@mustee.com • Web: www.mustee.com • Proudly made in the USA

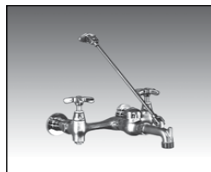
Notice: Our continuous commitment to product improvement may result in changes to product specifications without notice.
Patents pending. Made and Printed in U.S.A.



Mop Service Basin — Model 63M

Accessories

▶ Service Faucet



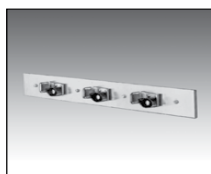
Model No.	UPC
63.600A	6 71031 00277 8
Heavy duty, chrome plated brass dual handle sink faucet with top reinforcing bar and pail hook on spout.	

▶ Hose and Hose Holder



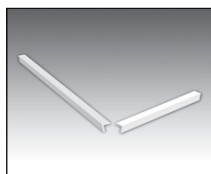
Model No.	UPC
65.700	6 71031 00196 2
Heavy duty 5/8" dia. reinforced 31" rubber hose with brass couplings on one end. Spring loaded, molded rubber hose holder mounts on stainless steel wall plate.	

▶ Mop Hanger



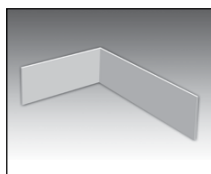
Model No.	UPC
65.600	6 71031 00195 5
Three spring-loaded rubber holders mounted to a 3" x 24" stainless steel wall plate. Click here for more information.	

▶ Bumper Guards



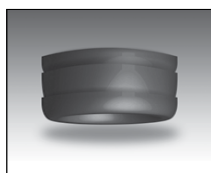
Available in high impact resistant molded vinyl (3 versions) or stainless steel (2 versions).	
Model No.	UPC
High Impact-resistant vinyl	
63.401 20-3/4" Long	6 71031 00290 7
Stainless steel	
63.403 20-3/4" Long	6 71031 00409 3

▶ DURAGUARD™ Wall Guards



Protects wall surfaces from splashing and damage from impacts, 12" height, 20 gauge #304 stainless steel.	
Model No.	UPC
67.2424 Two panels & bracket for 24" x 24" corner	6 71031 00293 8
67.24C One panel & corner bracket	6 71031 00295 2

▶ Optional Seals



For installations with the following pipe connections:	
Model No.	UPC
65.308 For 2" PVC, ABS and iron	6 71031 00303 4
65.309 For 3" PVC, ABS and iron,(Included w/mop basin)	6 71031 00304 1
65.311 For 3" soil pipe (No-Hub)	6 71031 00305 8



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Sink Faucet Wallmount

Rough chrome plated cast brass wallmount service
sink faucet
color indexed metal cross handles
pail hook

Model No: 28T9

COMPLIES WITH:

- CSA certified
- Complies to ASME Standard A112.18.1/CSA B125.1 including integral back siphonage protection
- (Contact Delta Representative for State and/or Local Approvals)



SPECIFICATION:

- 203mm (8") centers
- Centers adjustable from 7.75" to 8.25" unless AC option selected
- Two handles
- Heavy duty cast brass wallmount service sink faucet with integral stops
- Rough chrome plated finish
- Pail hook
- Inline vacuum breaker
- Hose end spout
- Wall brace
- Compression structures
- Color indexed metal cross handles

OPERATION:

- Not Available

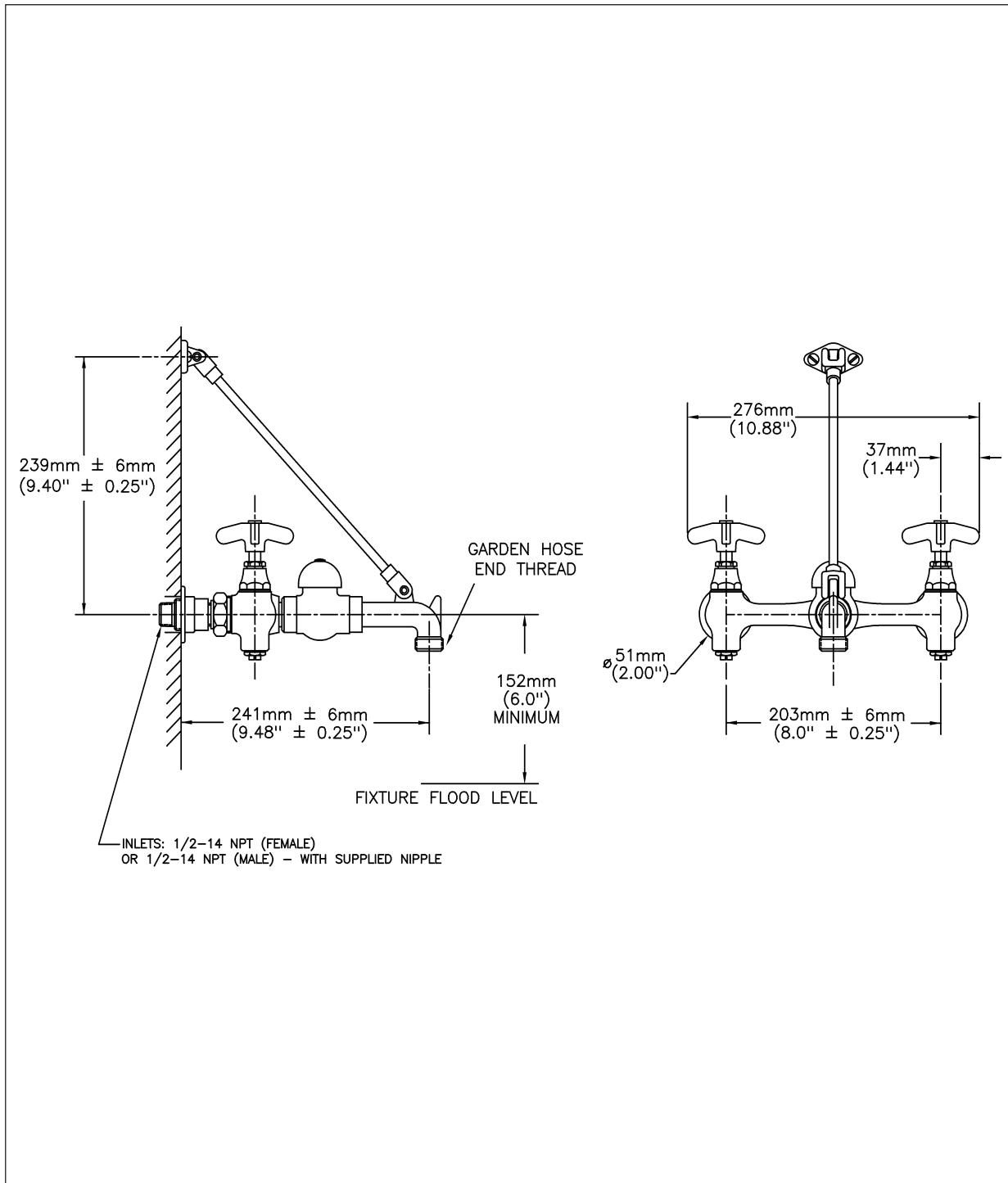
(Dimensional drawing on following page)

Delta reserves the right (1) to make changes to specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference. Measurement may vary plus or minus 6mm(0.25"). Mounting locations are suggested only. Check with local codes for requirements in your area. This spec was produced October 01, 2013.

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Delta Faucet Canada - 395 Matheson Blvd E - Mississauga, Ontario, Canada L4Z 2H2 - (905) 712-3030



Model No: 28T9



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Sink Faucet Wallmount

Stainless steel mop hanger
76mm x 660mm(3" X 26")
3 spring loaded rubber grip holders.

Model No: 28T910

COMPLIES WITH:

- (Contact Delta Representative for State and/or Local Approvals)

SPECIFICATION:

- Stainless steel mop hanger,
- 76mm x 660mm(3" X 26"),
- 3 spring loaded rubber grip holders.

OPERATION:

- Not Available

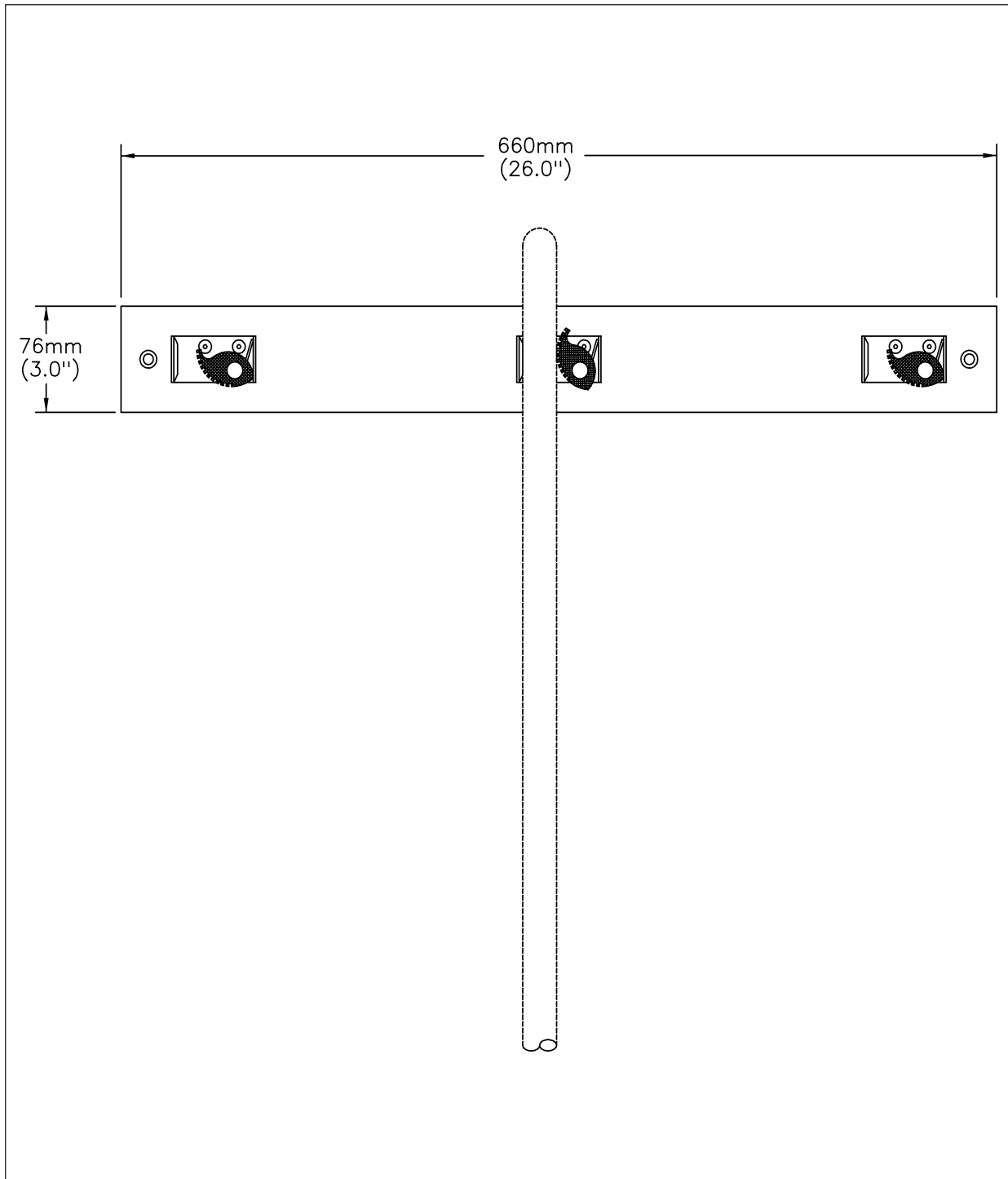
(Dimensional drawing on following page)

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Model No: 28T910



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Sink Faucet Wallmount

Heavy duty 1219mm(48") long reinforced hose
brass coupling
stainless steel hanger bracket
76mm x 102mm(3" x 5")
with rubber grip

Model No: 28T911

COMPLIES WITH:

- (Contact Delta Representative for State and/or Local Approvals)

SPECIFICATION:

- Heavy duty 1219mm(48") long reinforced hose,
- Brass coupling,
- Stainless steel hanger bracket,
- 76mm x 127mm(3" x 5") with rubber grip

OPERATION:

- Not Available

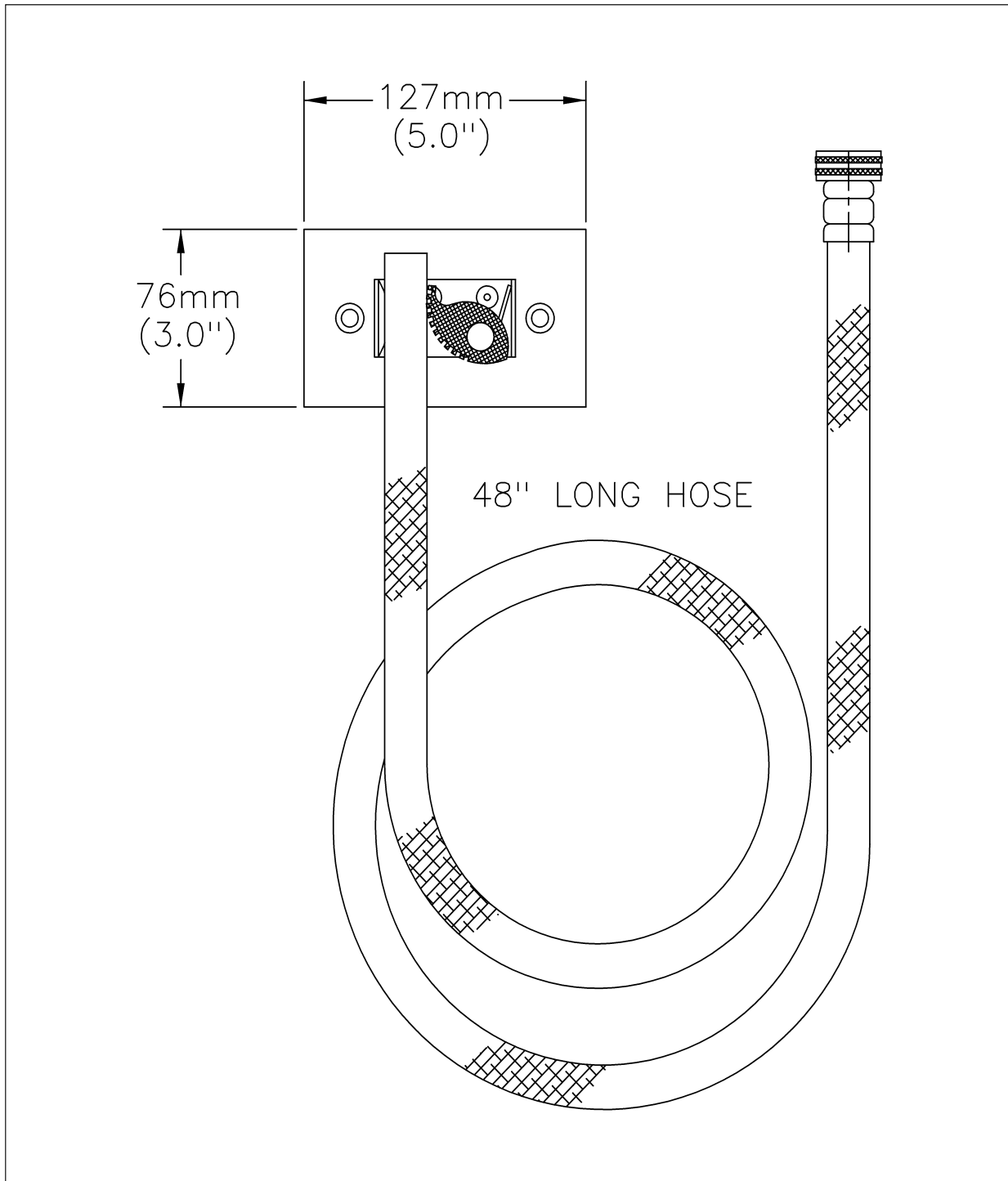
(Dimensional drawing on following page)

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Model No: 28T911



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Delta Faucet Canada - 395 Matheson Blvd E - Mississauga, Ontario, Canada L4Z 2H2 - (905) 712-3030

EW EYE WASH

VENDOR PART	VENDOR	DESCRIPTION	PAGE
G1814P	GUARDIAN	EYEWASH STATION, WALL MNT, PLASTIC, 1...	153
G3600	GUARDIAN	TEMPERING VALVE 6 GALLON	155



Guardian

Eyewashes

☐ **G1814P** Eyewash, Wall Mounted, Plastic Bowl



Application: Eyewash for wall mounting. Two GS-Plus™ spray-type spray heads deliver a flood of water for rinsing eyes.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a “flip top” dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and Teflon® seals.

Bowl: 11-1/2" diameter orange ABS plastic.

Mounting: Heavy duty cast aluminum wall bracket with corrosion resistant powder coated finish.

Supply: 1/2" NPT female inlet.

Waste: 1-1/4" NPT female outlet.

Sign: ANSI-compliant identification sign.

Quality Assurance: Unit is completely assembled and water tested prior to shipment.

Available Options

- ☐ **DC** Stainless steel dust cover for each spray head.
- ☐ **GRN** Green ABS plastic bowl.
- ☐ **YEL** Yellow ABS plastic bowl.
- ☐ **HS** Auxiliary hand-held drench hose for rinsing eyes, face or body.
- ☐ **SC** Self-closing ball valve. *Note: Eyewashes with self-closing valves do not comply with ANSI Z358.1-2014.*
- ☐ **T** Chrome plated brass tailpiece and trap with 1-1/2" IPS waste connection.
- ☐ **TP** 1-1/2" OD Chrome plated brass tailpiece.
- ☐ **TMV** G3600LF thermostatic mixing valve precisely blends hot and cold water to deliver warm (tepid) water as required by ANSI Z358.1-2014. Refer to “Tempering Units” section for complete technical and product selection information.

Guardian Equipment 312 447 8100 TELEPHONE
1140 N North Branch St 312 447 8101 FACSIMILE
Chicago, IL 60642 gesafety.com

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.



ETL Listed 101496. Units have been tested to and comply with ANSI Z358.1-2014.

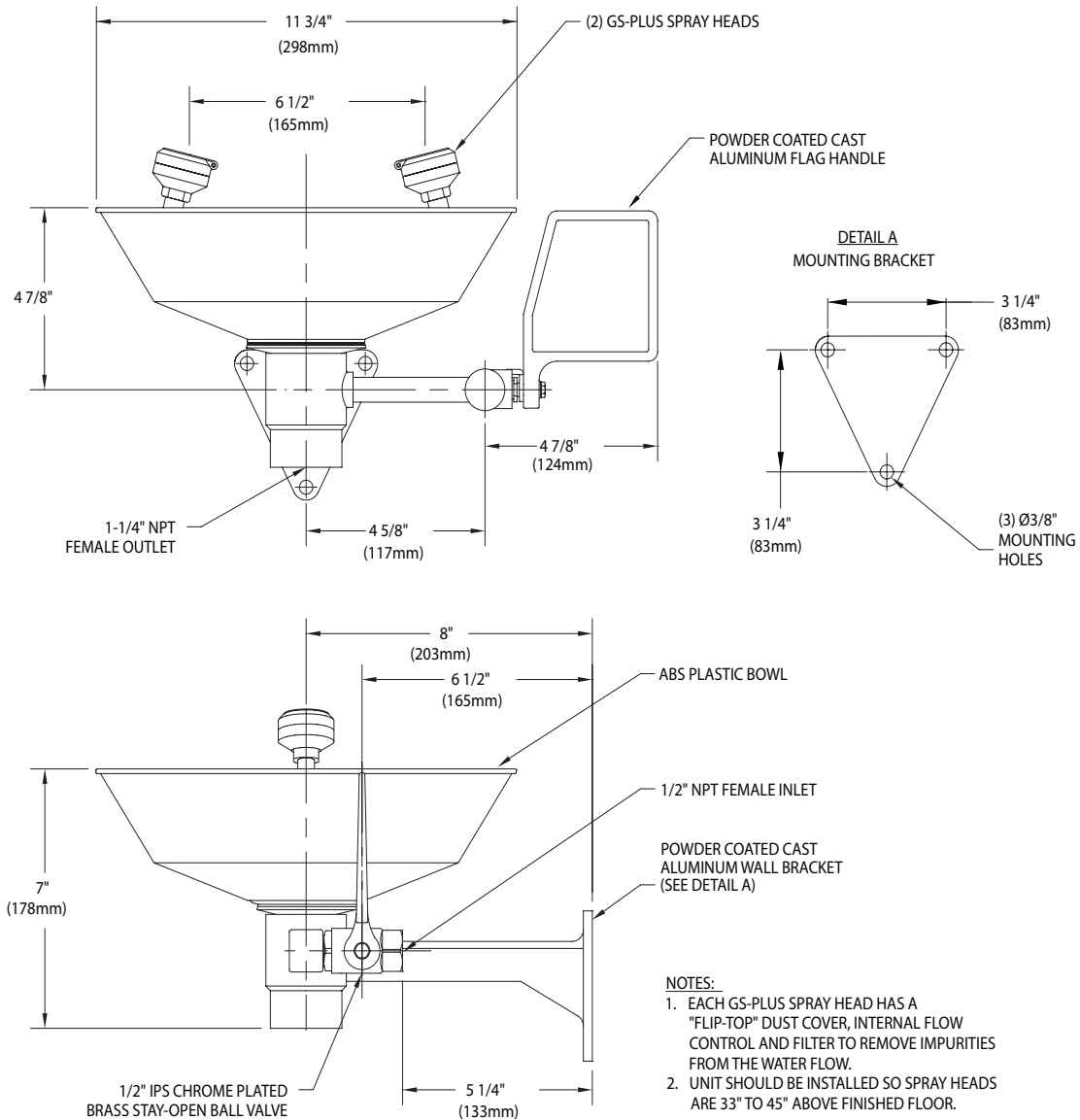




Guardian

Eyewashes

□ **G1814P** Eyewash, Wall Mounted, Plastic Bowl



THIS SPACE FOR ARCHITECT/ENGINEER APPROVAL

Due to continuing product improvement, the information contained in this document is subject to change without notice. All dimensions are $\pm 1/4"$ (6mm). rev. 0115

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Chicago, IL 60642 gesafety.com

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.



ETL Listed 101496. Units have been tested to and comply with ANSI Z358.1-2014.



Sign Included





Guardian

Tempering Valves

- ☐ **G3600** Tempering Valve, 6 Gallon Capacity
- ☐ **G3600LF** Same as Above Except with Lead-free Valve Body in Order to Meet Low Lead Requirements

Application: Tempering valve to blend hot and cold water to deliver tepid water. Valve has flow capacity of 0.5 to 6 gallons per minute (GPM). Valve can be used with eyewash, eye/face wash, dual purpose eyewash/drench hose and drench hose units.

Temperature Control: Valve has bimetallic thermostat that senses incoming water temperature and automatically blends water to 85°F (29°C). High temperature limit stop is set to 90°F (32°C). Valve has dial thermometer on outlet to monitor temperature of delivered water. *Note: Valve may need to be adjusted when installed based on incoming water temperature. Refer to "Installation Instructions" for further information.*

Fail Safe: In event of restriction or failure of hot water supply, internal bypass allows valve to deliver cold water to emergency unit. In bypass mode, valve will deliver 4 GPM of cold water at 30 PSI flow pressure. In event of loss of cold water supply, valve will close and not deliver water.

Flow Capacity: Refer to chart below for flow capacity of valve at specified pressure drops:

System Pressure Drop (PSI)	5	10	15	20	25	30	35	40
Flow Rate (GPM)	2.5	4	5	6	7	8	8.5	9.5

System Pressure Drop (Bar)	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8
Flow Rate (Liters per Minute)	9.5	15	19	23	27	30	32	36

Supply Temperature: Minimum hot water supply temperature is 140° F (60° C).

Supply Pressure: 30 PSI minimum supply pressure is required for proper operation of valve. Maximum supply pressure is 125 PSI.

Mounting: Furnished with heavy duty mounting bracket for securing valve to panel or wall.

Inlets: 1/2" nominal sweat female hot and cold water inlets. Each inlet has check valve and supply stop.

Outlet: 1/2" NPT female outlet.

Quality Assurance: Valve is completely assembled and water tested prior to shipment. Valve is certified to ASSE 1071.

Additional Models

- ☐ **G3602** Same as above except valve is installed in surface mounted stainless steel cabinet.
- ☐ **G3607** Same as above except valve is installed in recess mounted stainless steel cabinet.



IMPORTANT: Pursuant to ANSI Z358.1-2009, the water delivered by emergency equipment should be "tepid". Tepid is defined as moderately warm or lukewarm, and is generally considered to be between 60°F (15°C) and 90°F (32°C). However, in certain circumstances, a chemical reaction may be accelerated or otherwise affected by the water temperature. Please consult with a medical advisor to determine the optimum delivered water temperature prior to specifying, installing or using a tempering valve.

Tempering valves will not deliver the appropriate water temperature if the system has not been sized correctly. Please refer to the flow capacities and supply pressure requirements listed above when designing the tempered water system and selecting tempering valves.

Tempering valves, like all emergency eyewash and shower equipment, must be installed in accordance with the manufacturer's instructions and maintained on a regular basis. Under ANSI Z358.1-2009, all emergency equipment should be activated weekly and inspected at least annually. Tempering valves should be treated the same and, in addition, must be regularly cleaned and cycled.

Guardian Equipment 312 447 8100 TELEPHONE
1140 N North Branch St 312 447 8101 FACSIMILE
Chicago, IL 60642 gesafety.com

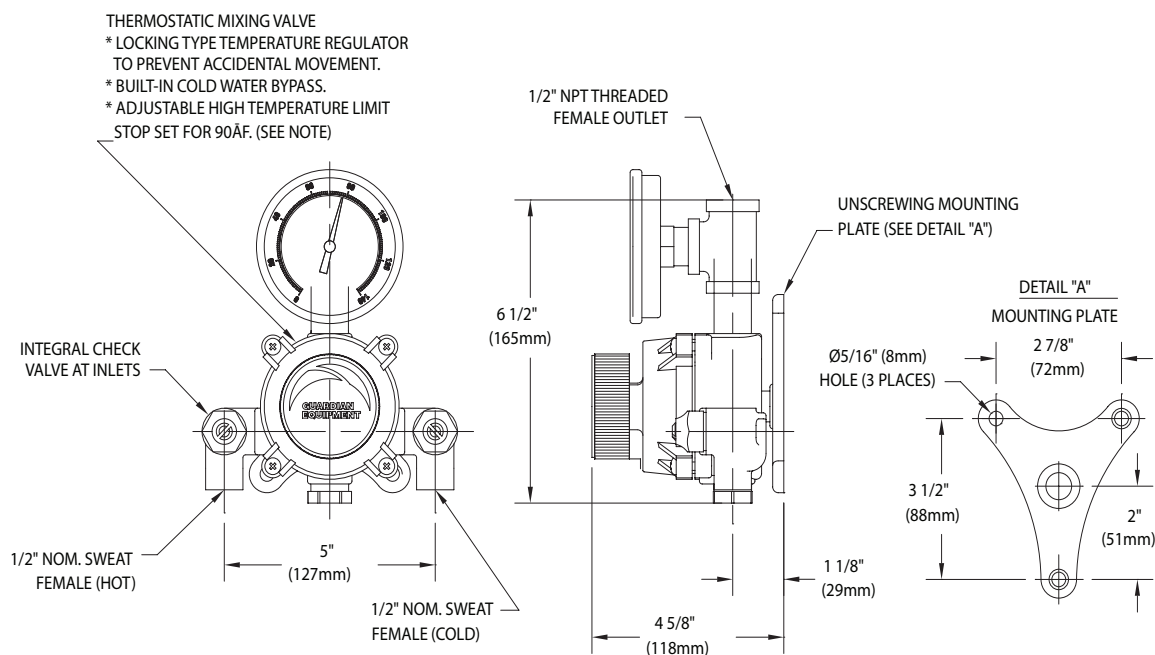
ASSE 1071 Certified





Tempering Valves

- **G3600** Tempering Valve, 6 Gallon Capacity
- **G3600LF** Same as Above Except with Lead-free Valve Body in Order to Meet Low Lead Requirements



- As with all plumbing devices and emergency equipment, thoroughly flush supply lines prior to and after installation.
- Install mounting bracket on panel or wall. Thread tempering valve securely onto mounting bracket. Valve must be installed in location where it is readily accessible for inspection, cleaning and maintenance.
- Connect hot and cold water supply lines to valve. Connect outlet line to valve and then to inlet of emergency equipment.
- Activate the water flow and check the temperature of the water delivered from the tempering valve and emergency equipment. Note that the temperature control knob on the tempering valve has been factory preset to deliver 85°F (29°C) tepid water and the high temperature limit stop has been factory preset at 90°F (32°C). These temperatures are based upon an incoming hot water supply at 140°F (60°C). If the incoming hot water temperature is higher than 140°F (60°C), the valve will deliver water that is warmer than 90°F (32°C). **In this case, the high temperature limit stop must be reset by the installer.**
- To reset the high temperature limit stop:
 - While the water is running, turn the adjusting knob counterclockwise to the maximum hot water position.
 - Remove the knob and retaining ring, loosen the set screw and remove the limit stop.
 - Replace the handle on the valve stem and rotate the valve stem until the desired outlet water temperature is reached. Confirm the outlet water temperature on the outlet thermometer.
 - Replace the limit stop on the valve stem, positioned so that the limit stop is against the web on the LEFT side of the valve cover (i.e. the valve stem cannot be turned any further counterclockwise).
 - Replace the retaining ring, tighten set screw and replace knob.

THIS SPACE FOR ARCHITECT/ENGINEER APPROVAL

Due to continuing product improvement, the information contained in this document is subject to change without notice. All dimensions are $\pm 1/4"$ (6mm). rev. 0714

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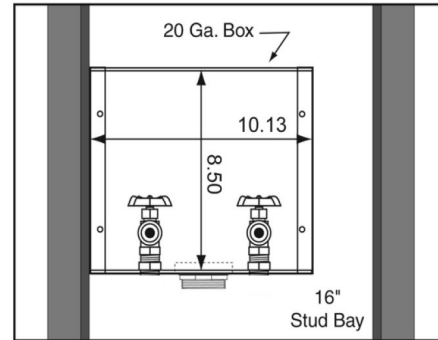
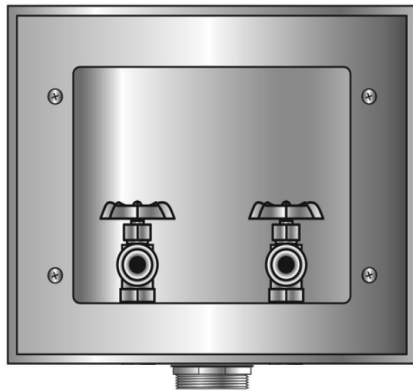
WCB WASHING MACHINE BOX

VENDOR PART	VENDOR	DESCRIPTION	PAGE
B200	IPS CORPORATION	CENTER DRAIN OUTLET BOXES	158

SPECIFICATION SUBMITTAL SHEET



CENTER DRAIN GALVANIZED WMOB
with Domestic Valves



Specifications:

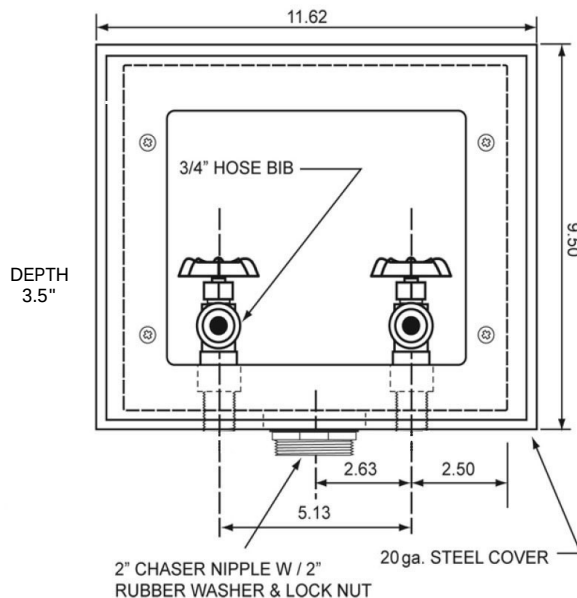
Furnish and install galvanized center drain washing machine outlet box with domestic valves. Unit shall be Guy Gray product code checked below as manufactured by IPS Corporation

Box Material:

G90 Hot Dipped Galvanized Steel (unpainted)
20 gauge box with 20 gauge faceplate

Valve & Drain Options:

Domestic Valve with 1/2" MIP/Sweat, PEX or CPVC connection furnished. 1-1/2" Threaded or 2" Threaded Drain. Valves comply with ASME A112.18.1



Item #	Product Description	Model #	Quantity
82026	Domestic Valve w/ 1/2" MIP/Sweat Conn. Valve, 1-1/2" Threaded Drain Fitting	B150	6
82032	Domestic Valve w/ 1/2" MIP/Sweat Conn. Valve, 2" Threaded Drain Fitting	B200	6
82036	Top Mount 1/2" MIP/Sweat Conn. Valves, 2" Threaded Drain Fitting	BB200TS	6
81974	Domestic Valve w/ 1/2" Pex conn., 2" Threaded Drain	B200X	6
81975	Domestic Valve w/ 1/2" CPVC conn., 2" Threaded Drain	B200C	6

IPS
CORPORATION

500 Distribution Parkway, Collierville, TN 38017, USA ■ TEL: 800-888-8321 ■ Fax: 901-853-8312 ■ www.ipscorp.com

GWH GAS WATER HEATER

VENDOR PART	VENDOR	DESCRIPTION	PAGE
GHE100ES200	RHEEM	SPIDERFIRE GAS WATER HEATER	160



The new degree of comfort.™



Commercial Gas
SPIDER^{fire} Water Heaters

SPIDER^{fire}® is a family of ultra high efficiency commercial gas water heaters with up to a 97 percent thermal efficiency

Features & Benefits

The advanced line of 80 and 100-gallon Rheem SPIDER^{fire} condensing water heaters offers breakthrough technology. It provides up to 97% thermal efficiency. The patented heat transfer system dramatically cuts fuel costs and is built to last. Models are available that range from 130,000-399,900 Btu/h, with a maximum temperature setting of 185 degrees.

Faster, Less Costly Venting

All models vent with standard -2", -3", -4", or -6" diameter PVC plastic pipe. SPIDER^{fire}'s built-in exhaust riser vents at the top and eliminates the need to construct a side riser.

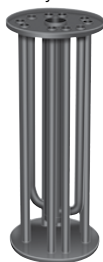
Smart LCD Control System

The new diagnostic system is standard on all SPIDER^{fire} models. It enables installers and service technicians to monitor key functions and components. It includes a scrollable, operational history.



Innovative Technology

The heart of the SPIDER^{fire} is its patented multi-leg, triple pass heat exchanger. The system is engineered as a 'wet base' design wherein the entire heat exchanger is submerged. That eliminates hot spots found in some other fully condensing water heaters. When hot spots are eliminated, the life of the product is extended and efficiency is maximized. These products are built to last.



Power or Power Direct Vent

It can be installed as a power-vented product; or as a power direct-vented product – the latter for negative air pressure or if indoor air quality is a concern.

Corrosion Protection

Three-pass heat exchanger tubes are coated inside and out with a specially formulated porcelain enamel designed to protect against condensation.

Multiple Water Connections

Hot and cold water inlets and outlets on both sides of the unit; 2" NPT high-flow connections.

Full-port, Full-flow Drain Valve

Factory installed brass drain valve allows for faster draining and servicing.

Advanced Burner Design

Latest models have increased burner surface area for ultra smooth ignition and quiet operation

Direct Spark Ignition System

Energy saving ignition that ignites pilot only when there is a call for heat.

Altitude Certification

Certified up to 8,999 feet

CSA/ASME Rated T&P Valve

Factory installed relief valve

Warranty

3-Year limited tank warranty, upgradeable to 5 years

See Commercial Warranty Certificate for complete information.

Efficiency | All models tested according to ANSI test procedures, and meet or exceed the thermal efficiency and standby loss requirements of ASHRAE standard (EPact). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).

Safety and Construction | Design certified by CSA: For operation at 185 degrees; meets all safety and construction requirement of ANSI Z21.10.3; as an automatic storage or instantaneous water heater; as an automatic circulating tank water heater; and for operation on combustible floors and in alcove installations. **Certified for 150 PSI maximum working pressure (160 PSI for ASME models).**

Optional Construction | ASME construction is available on designated models. UL Sanitation (NSF5) compliant models are available when equipped with optional seal kit (Part No. AS42690).



80 & 100
GALLON MODELS
NOW AVAILABLE

Rheem SPIDER^{fire}
80 and 100-Gallon Capacities
130,000-399,900 Btu/h
Sealed Combustion System
Ultra Low NOx
Natural and LP Gas



With
Optional Kit



Low Lead
Compliant



INTEGRATED AIR & WATER

PRINTED IN U.S.A. 05/15 WP FORM NO. RR102C-18 Rev. 9

SPIDER^{fire} Gas Water Heaters

RECOVERY CAPACITIES														
Recovery in U.S. Gallons/Hr. (GPH) and Liters/Hr. (LPH) at Various Temperature Rises														
MODEL NUMBER	INPUT (BTU/H) NAT. & LP	THERMAL EFFICIENCY	UNITS	40°F (22°C)	50°F (28°C)	60°F (33°C)	70°F (39°C)	80°F (45°C)	90°F (50°C)	100°F (56°C)	110°F (61°C)	120°F (67°C)	130°F (72°C)	140°F (78°C)
GHE80ES-130(A)	130,000	97%	GPH	382	306	255	218	191	170	153	139	127	118	109
			LPH	1448	1160	966	826	724	644	580	527	481	447	413
GHE80ES-150(A)	150,000	94%	GPH	427	342	285	244	214	190	171	155	142	131	122
			LPH	1618	1296	1080	925	811	720	648	587	538	496	462
GHE80ES-200(A)	199,000	94%	GPH	569	456	380	325	285	253	228	207	190	175	163
			LPH	2157	1728	1440	1232	1080	959	864	785	720	663	618
GHE80ES-250(A)	250,000	95%	GPH	720	576	480	411	360	320	288	262	240	221	206
			LPH	2725	2180	1816	1555	1363	1211	1090	992	908	837	780
GHE80ES-300(A)	300,000	94%	GPH	855	684	570	488	427	380	342	311	285	263	244
			LPH	3237	2589	2158	1847	1616	1438	1295	1177	1079	996	924
GHE100ES-130(A)	130,000	95%	GPH	374	299	249	214	187	166	150	136	125	115	107
			LPH	1418	1135	946	811	709	630	567	516	473	446	405
GHE100ES-160(A)	160,000	95%	GPH	461	368	307	263	230	205	184	167	154	142	132
			LPH	1746	1397	1164	998	873	776	698	635	582	537	499
GHE100ES-200(A)	199,000	95%	GPH	573	458	382	327	286	255	229	208	191	176	164
			LPH	2171	1737	1447	1241	1086	965	868	790	724	668	620
GHE100ES-250(A)	250,000	95%	GPH	713	569	475	407	356	317	285	259	238	219	204
			LPH	2699	2154	1798	1541	1348	1200	1079	980	901	829	772
GHE100ES-300(A)	300,000	94%	GPH	845	676	564	483	423	376	338	307	282	260	242
			LPH	3204	2563	2136	1831	1602	1424	1282	1165	1068	986	916
GHE100ES-350(A)	350,000	94%	GPH	997	798	665	570	498	443	399	363	332	307	285
			LPH	3774	3021	2517	2158	1885	1677	1510	1374	1256	1162	1079
GHE100ES-400(A)	399,900	94%	GPH	1139	912	760	651	570	506	456	414	380	351	326
			LPH	4312	3452	2877	2464	2158	1915	1726	1567	1438	1329	1234

MAXIMUM DELIVERY																
In U.S. Gallons and Liters (Includes useable storage and recovery for indicated times)																
MODEL NUMBER	GAL.	LITERS	INPUT (BTU/H) NAT. & LP	TEMP. RISE	UNITS	5 MIN.	10 MIN.	15 MIN.	20 MIN.	30 MIN.	45 MIN.	1 HR.	2 HR.	3 HR.	MIN. TO RECOVER CONTENTS	
GHE80ES-130(A)	80	303	130,000	100 F	GAL.	69	82	94	107	132	171	209	362	515	31	
				56°C	LTR.	262	311	356	406	500	648	792	1372	1952		
GHE80ES-150(A)	80	303	150,000	100°F	GAL.	70	85	99	113	142	184	227	398	569	28	
				56°C	LTR.	265	322	375	428	538	697	860	1508	2157		
GHE80ES-200(A)	80	303	199,000	100°F	GAL.	75	94	113	132	170	227	284	512	739	21	
				56°C	LTR.	284	356	428	500	644	860	1076	1940	2801		
GHE80ES-250(A)	80	303	250,000	100°F	GAL.	80	104	128	152	200	272	344	632	920	17	
				56 C	LTR.	303	394	485	575	757	1030	1302	2392	3482		
GHE80ES-300(A)	80	303	300,000	100°F	GAL.	85	113	142	170	227	312	398	740	1082	14	
				56 C	LTR.	322	428	538	644	859	1181	1507	2801	4096		
GHE100ES-130(A)	100	379	130,000	100°F	GAL.	83	95	107	120	145	185	220	369	519	39	
				56°C	LTR.	313	360	407	454	549	700	833	1400	1967		
GHE100ES-160(A)	100	379	160,000	100°F	GAL.	85	101	116	131	162	208	254	438	623	33	
				56°C	LTR.	323	382	440	498	614	789	964	1662	2360		
GHE100ES-200(A)	100	379	199,000	100°F	GAL.	89	108	127	146	185	242	299	528	757	26	
				56°C	LTR.	338	410	482	555	700	917	1134	2002	2871		
GHE100ES-250(A)	100	379	250,000	100°F	GAL.	95	118	142	166	214	286	358	646	934	21	
				56°C	LTR.	360	447	538	628	810	1083	1355	2445	3535		
GHE100ES-300(A)	100	379	300,000	100°F	GAL.	99	127	156	184	241	326	412	754	1096	18	
				56°C	LTR.	375	481	591	697	912	1234	1560	2854	4149		
GHE100ES-350(A)	100	379	350,000	100°F	GAL.	103	137	170	203	269	369	469	868	1266	15	
				56°C	LTR.	389	518	644	768	1018	1397	1775	3286	4792		
GHE100ES-400(A)	100	379	399,900	100°F	GAL.	108	146	184	222	298	412	526	982	1437	13	
				56°C	LTR.	409	553	696	840	1128	1560	1991	3717	5440		
All models have a maximum setpoint of 185°F.																

SPIDER^{fire} Gas Water Heaters

VENTING OPTIONS

Power Direct Vent

MODEL NUMBER	PIPE DIAMETER			
	2"	3"	4"	6"
	MAX. VENT LENGTH FOR INLET OR OUTLET (FT.)			
GHE80ES-130 GHE100ES-130	20	60	120	–
GHE80ES-160 GHE100ES-160	20	60	120	–
GHE80ES-200 GHE100ES-200	20	60	120	–
GHE80ES-250 GHE100ES-250	–	50	120	–
GHE80ES-300 GHE100ES-300	–	50	120	120
GHE100ES-350	–	50	70	120
GHE100ES-400	–	50	70	120

For each 90° elbow, reduce pipe length by five (5) feet.

For each 45° elbow, reduce pipe length by two and a half (2.5) feet.

Note: Vent pipe size should not be mixed for venting these units.

Use same diameter pipe for all venting of the unit.

Example of Venting for 2" Power Direct Vent Setup:

Refer to the chart above, "Power Direct Vent", for actual length allowed on each model.

NUMBER OF 90° ELBOWS EXCLUDING VENT TERMINALS INLET VENT OUTLET VENT		NUMBER OF 45° ELBOWS	MINIMUM VENT PIPE LENGTH IN FEET	MAXIMUM VENT PIPE LENGTH IN FEET
None	None	None	5.0	20.0
One (1)	One (1)	None	–	15.0
One (1)	One (1)	One (1)	–	12.5
Two (2)	Two (2)	None	–	10.0
Two (2)	Two (2)	One (1)	–	7.5
Three (3)	Three (3)	None	–	5.0
Three (3)	Three (3)	One (1)	–	2.5

Example of Venting for 4" Power Direct Vent Setup (GHE100ES-130):

Refer to the chart above, "Power Direct Vent", for actual length allowed on each model. The 3" venting will follow the same format.

See allowable lengths above.

NUMBER OF 90° ELBOWS EXCLUDING VENT TERMINALS INLET VENT OUTLET VENT		NUMBER OF 45° ELBOWS	MINIMUM VENT PIPE LENGTH IN FEET	MAXIMUM VENT PIPE LENGTH IN FEET
None	None	None	5.0	120.0
One (1)	One (1)	None	–	115.0
One (1)	One (1)	One (1)	–	112.5
Two (2)	Two (2)	None	–	110.0
Two (2)	Two (2)	One (1)	–	107.5
Three (3)	Three (3)	None	–	105.0
Three (3)	Three (3)	One (1)	–	102.5
Four (4)	Four (4)	None	–	100.0
Four (4)	Four (4)	One (1)	–	97.5
Five (5)	Five (5)	None	–	95.0

NOTE: For Canadian installations, use ULC-S636 PVC or CPVC pipe.

Power Vent

MODEL NUMBER	PIPE DIAMETER			
	2"	3"	4"	6"
	MAX. VENT LENGTH FOR OUTLET (FT.)			
GHE80ES-130 GHE100ES-130	20	120	170	–
GHE80ES-160 GHE100ES-160	20	120	170	–
GHE80ES-200 GHE100ES-200	20	120	170	–
GHE80ES-250 GHE100ES-250	–	80	130	–
GHE80ES-300 GHE100ES-300	–	80	130	120
GHE100ES-350	–	50	100	120
GHE100ES-400	–	50	100	120

For each 90° elbow, reduce pipe length by five (5) feet.

For each 45° elbow, reduce pipe length by two and a half (2.5) feet.

Note: Vent pipe size should not be mixed for venting these units.

Use same diameter pipe for all venting of the unit.

Example of Venting for 2" Power Vent Setup:

Refer to the chart above, "Power Vent", for actual length allowed on each model.

NUMBER OF 90° ELBOWS EXCLUDING VENT TERMINALS OUTLET VENT		NUMBER OF 45° ELBOWS	MINIMUM VENT PIPE LENGTH IN FEET	MAXIMUM VENT PIPE LENGTH IN FEET
None	None	None	5.0	20.0
One (1)	None	None	–	15.0
One (1)	One (1)	None	–	12.5
Two (2)	None	None	–	10.0
Two (2)	One (1)	None	–	7.5
Three (3)	None	None	–	5.0
Three (3)	One (1)	None	–	2.5

Example of Venting for 4" Power Vent Setup (GHE100ES-130):

Refer to the chart above, "Power Vent", for actual length allowed on each model. The 3" venting will follow the same format. See allowable lengths above.

NUMBER OF 90° ELBOWS EXCLUDING VENT TERMINALS OUTLET VENT		NUMBER OF 45° ELBOWS	MINIMUM VENT PIPE LENGTH IN FEET	MAXIMUM VENT PIPE LENGTH IN FEET
None	None	None	5.0	170.0
One (1)	None	None	–	165.0
One (1)	One (1)	None	–	162.5
Two (2)	None	None	–	160.0
Two (2)	One (1)	None	–	157.5
Three (3)	None	None	–	155.0
Three (3)	One (1)	None	–	152.5
Four (4)	None	None	–	150.0
Four (4)	One (1)	None	–	147.5
Five (5)	None	None	–	145.0



The new degree of comfort.™



Commercial Gas
SPIDERfire Water Heaters

DIMENSIONAL INFORMATION

All dimensions shown in English and Metric

MODEL NUMBER	UNITS	A	B	C	D	E	F	G	H	VENT	WATER CONN.		APPROX. SHIP. WT. (LB)*
											INLET	OUTLET	
GHE80ES-130(A)	inches	69-5/8	26-1/4	66-1/8	12-3/4	64-5/8	64-13/16	62-13/16	66-5/8	2", 3", 4"	2" NPT	2" NPT	725
	mm	1768	667	1680	324	1641	1646	1595	1692				
GHE80ES-150(A)	inches	69-5/8	26-1/4	66-1/8	12-3/4	64-5/8	64-13/16	62-13/16	66-5/8	2", 3", 4"	2" NPT	2" NPT	725
	mm	1768	667	1680	324	1641	1646	1621	1692				
GHE80ES-200(A)	inches	69-5/8	26-1/4	66-1/8	12-3/4	64-5/8	64-13/16	62-13/16	66-5/8	2", 3", 4"	2" NPT	2" NPT	745
	mm	1768	667	1680	324	1641	1646	1621	1692				
GHE80ES-250(A)	inches	69-5/8	26-1/4	66-1/8	12-3/4	64-5/8	64-13/16	62-13/16	66-5/8	3", 4"	2" NPT	2" NPT	745
	mm	1768	667	1680	324	1641	1646	1621	1692				
GHE80ES-300(A)	inches	69-5/8	26-1/4	66-1/8	12-3/4	64-5/8	64-13/16	62-13/16	66-5/8	3", 4", 6"	2" NPT	2" NPT	745
	mm	1768	667	1680	324	1641	1646	1621	1692				
GHE100ES-130(A)	inches	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	2", 3", 4"	2" NPT	2" NPT	765
	mm	2001	667	1674	324	1873	1869	1829	1687				
GHE100ES-160(A)	inches	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	2", 3", 4"	2" NPT	2" NPT	765
	mm	2001	667	1674	324	1873	1869	1829	1687				
GHE100ES-200(A)	inches	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	2", 3", 4"	2" NPT	2" NPT	765
	mm	2001	667	1674	324	1873	1869	1829	1687				
GHE100ES-250(A)	inches	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	3", 4"	2" NPT	2" NPT	795
	mm	2001	667	1674	324	1873	1869	1829	1687				
GHE100ES-300(A)	inches	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	3", 4", 6"	2" NPT	2" NPT	795
	mm	2001	667	1674	324	1873	1869	1829	1687				
GHE100ES-350(A)	inches	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	3", 4", 6"	2" NPT	2" NPT	800
	mm	2001	667	1674	324	1873	1869	1829	1687				
GHE100ES-400(A)	inches	78-3/4	26-1/4†	66	12-3/4	73-3/4	73-5/8	72	66-7/16	3", 4", 6"	2" NPT	2" NPT	800
	mm	2001	667	1674	324	1873	1869	1829	1687				

*Weights listed are for non-ASME. Add 35 lbs. for ASME models.

† Overall width is 27-5/16" due to exhaust cover.

130,000 - 199,000 Btu/h models are certified to be installed with 2" venting.

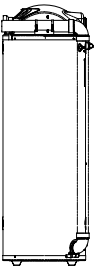
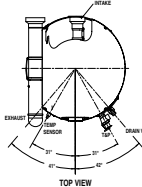
All models require a 120V power source.

Input rates 130-199: 1/2" gas inlet. Input rates 250-400: 3/4" gas inlet.

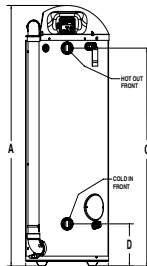
See use and care manual for venting details.

Gas Inlet (at gas valve): min. for all Nat. Gas GHE is 5.3 IN. WC and the max. is 10.5 IN WC.

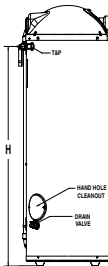
Gas Inlet (at gas valve): min. for all LP Gas GHE is 11 IN. WC and the max. is 13.3 IN WC.



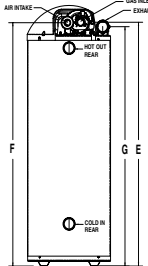
LEFT SIDE



FRONT



RIGHT SIDE



REAR

Recommended Specifications
(for trade reference only)

Water heater(s) shall be SPIDERfire model _____, manufactured by Rheem, having a gas input of _____ Btu/h and recovery rate of _____ GPH at a 100°F temperature rise when tested and certified at _____ thermal efficiency. Water heater(s) shall have a storage capacity of _____ gallons. Water heater(s) shall have the CSA seal of certification and supplied with a factory installed CSA/ASME rated temperature and pressure relief valve, and meet SCAQMD Rule 1146.2. Tank(s) shall be of wet-base design and furnished with U.S. Patent 7,290,503 B2 heat exchange system with two-sided coating of high temperature porcelain enamel and furnished with magnesium anode rods rigidly supported. Water heater(s) shall have 2" NPT front and rear water connections. Water heater(s) shall meet or exceed

thermal efficiency and standby loss requirements of ASHRAE. Tanks shall have a working pressure of 150 psi and shall be completely factory assembled, including a pressure regulator properly adjusted for operation on _____ gas with a down-fired burner system. Water heater(s) shall certified for schedule IV venting with power vent and powered direct vent options. Water heater(s) shall be covered by a three year limited tank warranty against tank leaks.

When ordering ASME construction,
place (A) after the model number
(for trade reference only)

Water heater(s) shall be constructed in accordance with the requirements of the ASME Boiler and Pressure Vessel Code, Section IV Part HLW.

In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.

Rheem Water Heating • 101 Bell Road
Montgomery, Alabama 36117-4305 • www.rheem.com

Rheem Canada Ltd./Ltée • 125 Edgeware Road, Unit 1
Brampton, Ontario L6Y 0P5 • www.rheem.com



INTEGRATED AIR & WATER

ET EXPANSION TANK

VENDOR PART	VENDOR	DESCRIPTION	PAGE
PLT-35	WATTS	POTABLE WATER EXPANSION TANKS	165

ES-PLT

For Water Heater and Hot Water Storage Tank Applications

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

LEAD FREE*

Series PLT

Potable Water Expansion Tanks

Series PLT Potable Water Expansion Tanks are designed to absorb the increased volume of water created by thermal expansion and to maintain balanced pressure throughout the potable water supply system.

Heated water expands, and in a domestic hot water system, the system may be closed when the potable water system is isolated from the public water supply by a one-way valve such as pressure reducing valve, backflow preventer or check valve. Provisions must be made for this expansion.

Series PLT expansion tanks absorb the increased volume of water created when the hot water storage tank is heated and keeps the system pressure below the relief setting of the T&P relief valve.

It is a pre-pressurized steel tank with an expansion membrane that prevents contact of the water with the air in the tank. This prevents loss of air to the water and insures long and trouble-free life for the system. These tanks may be used with all types of Direct Fired Hot Water Heaters (gas, oil or electric) and hot water storage tanks.

Features

- Rugged flexible butyl diaphragm
- Field adjustable pre-charge
- In-line and free standing models
- Can be used with most standard hot water heaters and storage tanks

Models

PLT-5-M1 has 3/4" male connection, tank volume 2.1 gal.
 PLT-12-M1 has 3/4" male connection, tank volume 4.5 gal.
 PLT-20-M1 has 3/4" male connection, tank volume 8.5 gal.
 PLT-35-M1 has 1" female connection, tank volume 14.00 gal.

Specifications

The potable water expansion tank shall be of drawn steel construction. It shall have a Butyl diaphragm separating the air chamber from the water containing chamber. Inlet connector shall be Stainless Steel. Materials of manufacture for the diaphragm shall be FDA approved.

The potable water expansion tank shall be a Watts Model PLT.

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

PLT-20



PLT-12

PLT-5

PLT-35

Standards

Models PLT-5, PLT-12 and PLT-20

are Listed by IAPMO.
 Certified to ANSI/NSF 61

Model PLT-35
 Certified to ANSI/NSF 61



(73°F/23°C)

Note: The potable water expansion tank shall be installed in the cold water service pipe line on the supply side of the water heater (or water storage tank). A pressure relief valve sized and installed in accordance with local codes must be incorporated in the system.

In those systems requiring a combined temperature and pressure safety relief valve, the temperature and pressure relief valve should be sized and installed in accordance with local codes. Adequate drainage provisions should be provided where water flow will cause damage.

See chart on back

WATTS®

Selection

This Quick Reference Selection Guide may be used as an alternative to using a formula to determine the correct expansion tank for the system. This table is based upon a relief valve setting of 150psi (10.3 bar), and a maximum of 50°F temperature rise.

To select the correct model PLT series tank, simply go the supply pressure equal to the system supply pressure (for pressures between those shown use next highest supply pressure shown), read across the chart to the correct tank as indicated by the water heater capacity (for capacities between those shown, use next highest capacity).

To accommodate the thermal expansion required for higher temperature and/or higher pressure systems, multiple tanks may be used. Please contact the factory for sizing information.

SUPPLY PRESSURE (PSIG)	WATER HEATER (GALLONS)						
	20	30	40	50	80	100	120
40							
50							
55							
60							
70							
80							
90							
100							
110							
120							

	PLT-5		PLT-20
	PLT-12		PLT-35
	Multiple tanks required - consult factory		

Materials

Diaphragm: Butyl rubber

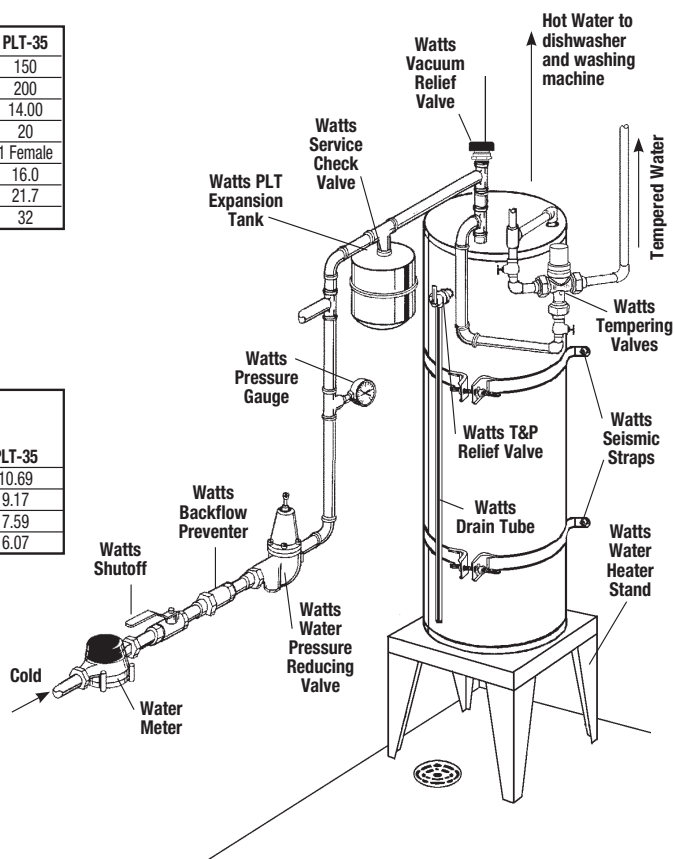
Inlet Connection: Stainless Steel

Technical Information

Description	PLT-5	PLT-12	PLT-20	PLT-35
Max. Pressure - PSI	150	150	150	150
Max. Temp. - °F	200	200	200	200
Tank Volume - Gal.	2.1	4.5	8.5	14.00
Air Pre-charge - PSI	20	20	20	20
Connections Size - Inches	¾ Male	¾ Male	¾ Male	1 Female
Diameter - Inches	8	10.5	12.5	16.0
Length - Inches	11	13.5	19.2	21.7
Weight - Lbs.	5.5	10	15	32

Acceptance Volume

Air Side Pre-pressure (psi)	Water Side Volume at 150psi (gallons)			
	PLT-5	PLT-12	PLT-20	PLT-35
20	1.48	3.42	7.102	10.69
40	1.26	2.88	5.882	9.17
60	1.0	2.49	4.705	7.59
80	.8	1.85	4.009	6.07



A Watts Water Technologies Company



ISO 9001-2008
CERTIFIED

USA: No. Andover, MA • Tel. (978) 688-1811 • Fax: (978) 794-1848 • www.watts.com
Canada: Burlington, ONT. (905) 332-4090 • Fax: (905) 332-7068 • www.wattscanada.ca

ES-PLT 1027

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ESP ELEVATOR SUMP PUMP

VENDOR PART	VENDOR	DESCRIPTION	PAGE
ELV280	LIBERTY PUMPS	ELEVATOR SUMP PUMP W/ OILTECTOR CONTROL	168

Liberty Pumps®

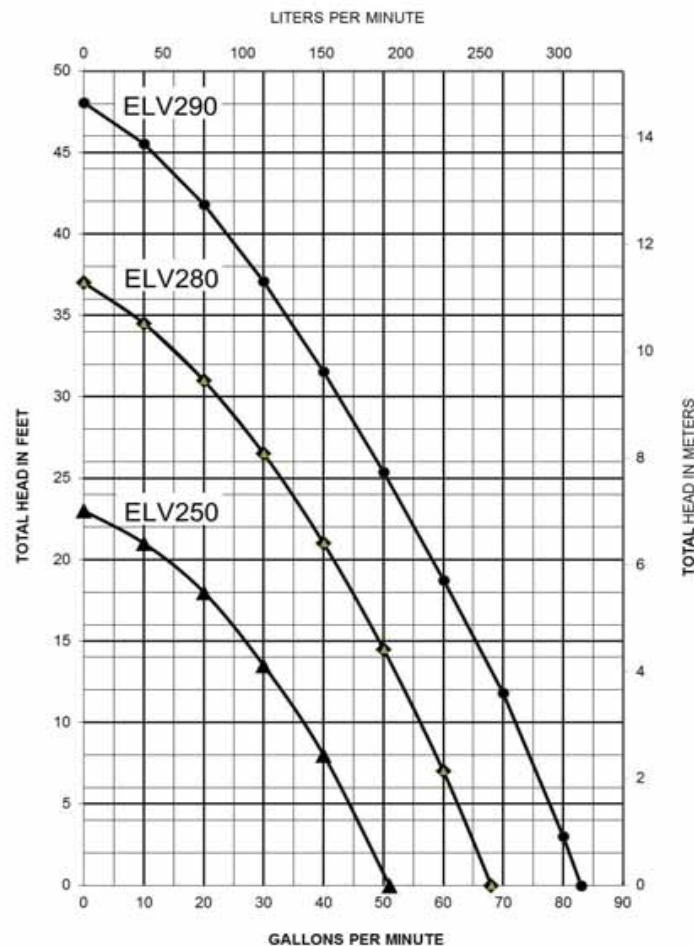
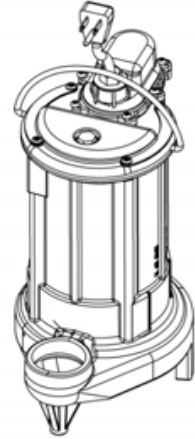
Pump Specifications

ELV Series Submersible Sump Pump with OilTector Control

ELV250 1/3 hp

ELV280 1/2 hp

ELV290 3/4 hp

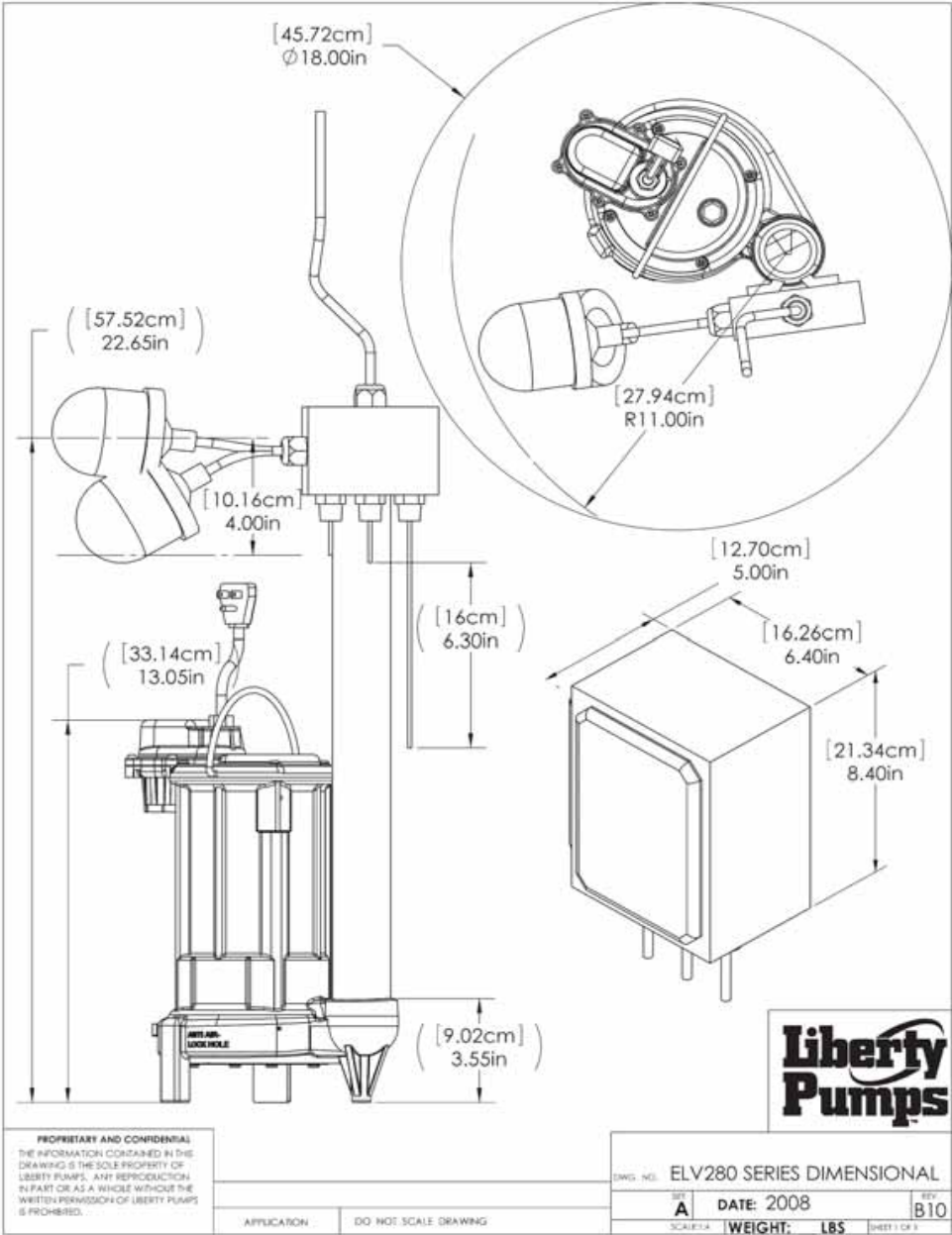


ELV_P1 R9/8/2014

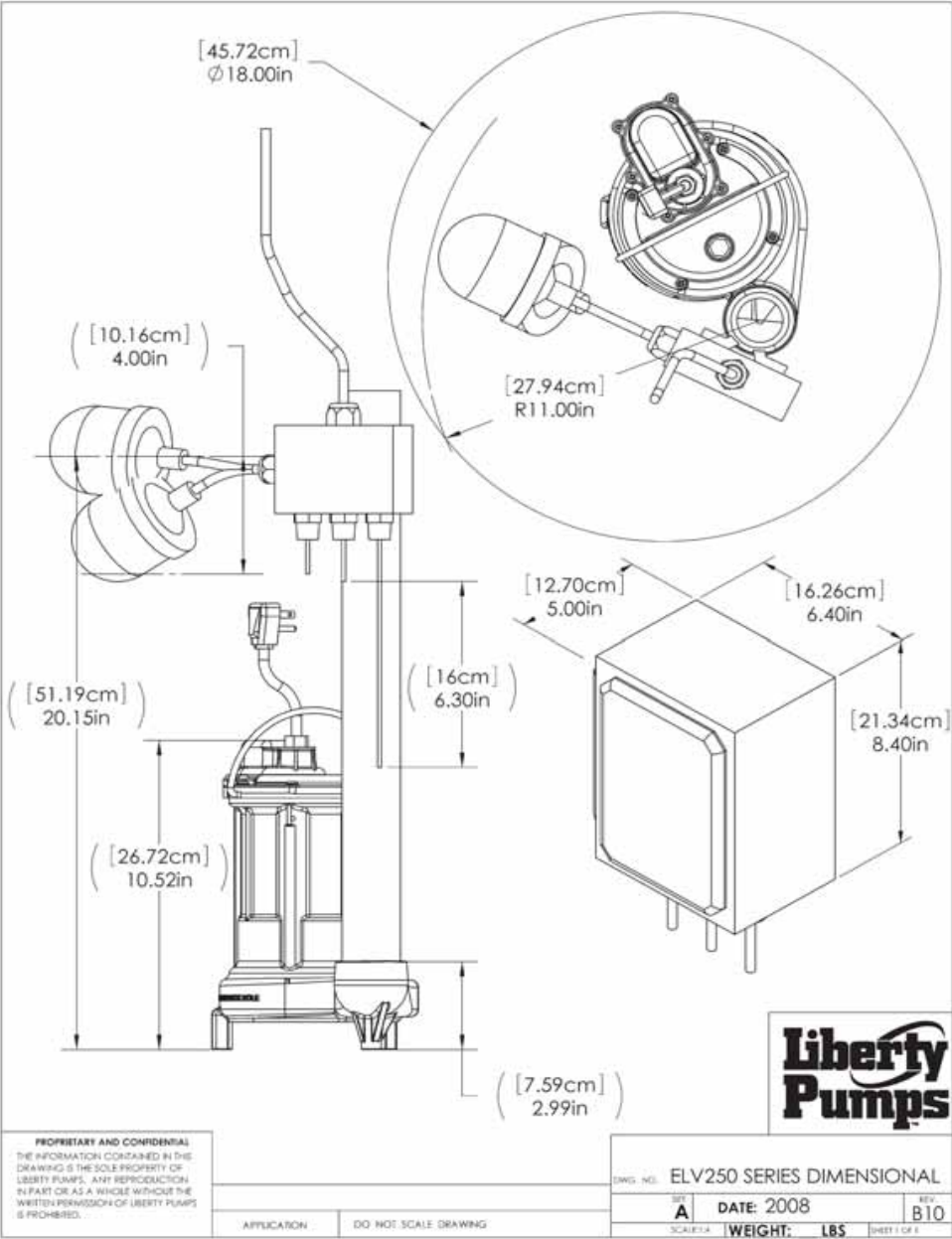
©Copyright 2014 Liberty Pumps Inc. All rights reserved. Specifications subject to change without notice.

**Liberty
Pumps**

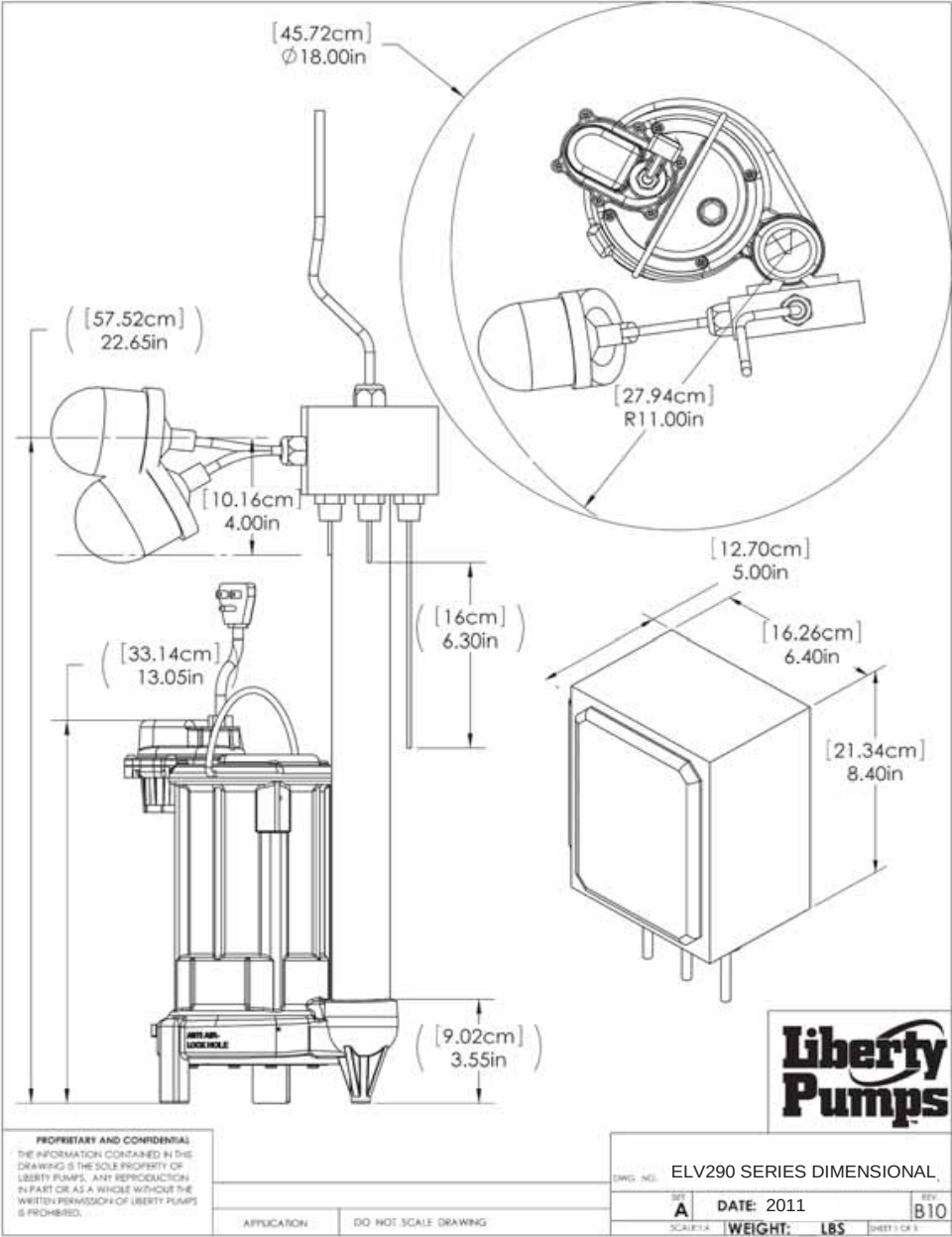
ELV280 Dimensional Data



ELV250 Dimensional Data



ELV290 Dimensional Data



ELV-Series Electrical Data

MODEL	HP	VOLTAGE	PHASE	FULL LOAD AMPS	LOCKED ROTOR AMPS	THERMAL OVERLOAD TEMP	STATOR WINDING CLASS	CORD LENGTH FT	DISCHARGE	AUTOMATIC
ELV290	3/4	115	1	10.4	24	120°C/ 248°F	B	25	1 1/2	YES W/ CONTROL
ELV290HV	3/4	208-230	1	5.3	13	105°C/ 221°F	B	25	1 1/2	YES W/ CONTROL
ELV280	1/2	115	1	8.0	23	105°C/ 221°F	B	25	1 1/2	YES W/ CONTROL
ELV280HV	1/2	208-230	1	4.0	12.5	105°C/ 221°F	B	25	1 1/2	YES W/ CONTROL
ELV250	1/3	115	1	5.2	8	105°C/ 221°F	B	25	1 1/2	YES W/ CONTROL

ELV-Series Technical Data

IMPELLER	VORTEX ENGINEERED POLYMER
SOLIDS HANDLING SIZE	
ELV250	1/2"
ELV280, ELV280HV, ELV290, ELV290HV	3/4"
PAINT	POWDER COAT
MAX LIQUID TEMP	60°C/ 140°F
MAX STATOR TEMP	CLASS B 130°C/ 266°F
THERMAL OVERLOAD	
ELV250, ELV280, ELV280HV, ELV290HV	105°C/ 221°F
ELV290	120°C/ 248°F
MOTOR HOUSING/ VOLUTE	CLASS 25 CAST IRON
SHAFT	STAINLESS
HARDWARE	STAINLESS
ORINGS	BUNA N
SHAFT SEAL	
ELV250	ENGINEERED DOUBLE LIP WITH STAINLESS STEEL SPRINGS
ELV280 & ELV280HV ELV290 & ELV290HV	UNITIZED CERAMIC CARBON
ELV250	23 LBS
ELV280, ELV280HV, ELV290, ELV290HV	30 LBS
MIN. SUMP SIZE	Ø18" X 30"

ELV-Series Specifications

1.01 GENERAL:

The contractor shall provide labor, material, equipment, and incidentals required to provide _____ (QTY) centrifugal pumps as specified herein. The pump models covered in this specification are ELV Series single phase pumps. The pump furnished for this application shall be model _____ as manufactured by Liberty pumps.

2.01 OPERATING CONDITIONS:

Each submersible pump shall be rated for ____ hp, ____ volts, single phase, 60 Hz, & 3450 RPM. The unit shall produce ____ G.P.M. at ____ feet of total dynamic head.

The submersible pump shall be capable of handling water with ____ solid handling capability. The submersible pump shall have a shut-off head of ____ feet and a maximum flow of ____ GPM @ 5 feet of total dynamic head.

The pump shall be controlled with:

The manual pump is connected to a control which has the ability to prevent oil from being pumped from the vault. This same control unit will activate an alarm when an oil "film" is detected or when a high water condition exists. The system will continue to monitor and remove water from the vault even if an oil condition is detected.

3.01 CONSTRUCTION:



Each centrifugal sump pump shall be equal to the  US Certified ELV-Series pumps as manufactured by Liberty Pumps, Bergen NY. The castings shall be constructed of class 25 cast iron. The motor housing shall be oil filled to dissipate heat. Air filled motors shall not be considered equal since they do not properly dissipate heat from the motor. All mating parts shall be machined and sealed with a Buna-N o-ring. All fasteners exposed to the liquid shall be stainless steel. The motor shall be protected on the top side with sealed cord entry plate with molded pins to conduct electricity eliminating the ability of water to enter internally through the cord. The motor shall be protected on the lower side with a unitized ceramic/carbon seal with stainless steel housings and spring or engineered double lip seal with stainless steel springs. The pump shall be furnished with stainless steel handle.

4.01 ELECTRICAL POWER CORD

The submersible pump shall be supplied with a 25 feet of multiconductor power cord. It shall be cord type YELLOW UL 16-3 SJEOOW 300V 105°C, capable of continued exposure to the pumped liquid. The power cord shall be sized for the rated full load amps of the pump in accordance with the National Electric Code. The power cable shall not enter the motor housing directly but will conduct electricity to the motor by means of a water tight compression fitting cord plate assembly, with molded pins to conduct electricity. This will eliminate the ability of water to enter internally through the cord, by means of a damaged or wicking cord.

5.01 MOTORS

Single phase motors shall be oil filled, permanent split capacitor, class B insulated NEMA B design, rated for continuous duty. At maximum load the winding temperature shall not exceed 130 degrees C un submerged. Since air filled motors are not capable of dissipating heat they shall not be considered equal. The pump motor shall have an integral thermal overload switch in the windings for protecting the motor. The capacitor circuit shall be mounted internally in the pump.

6.01 BEARINGS AND SHAFT

An upper sleeve and lower ball bearing shall be required. The lower ball bearing shall be a single ball / race type bearing. Both bearings shall be permanently lubricated by the oil, which fills the motor housing. The motor shaft shall be made of 300 or 400 series stainless steel.

7.01 SEALS

The pump shall have a unitized carbon / ceramic seal with stainless steel housings and spring, or engineered double lip seal with stainless steel springs. The motor plate / housing interface shall be sealed with a Buna-N o-ring.

8.01 IMPELLER

The impeller shall be vortex style made of an engineered polymer, with pump out vanes on the back shroud to keep debris away from the seal area. It shall be threaded to the motor shaft.

9.01 CONTROLS

The control unit has three probes and a float ball switch. The pump will activate when the middle probe contacts water, and will remain on until the first, longest probe no longer is in contact with water. A high water alarm is activated when third or shortest probe contacts water. The system will ignore a small film of oil, however larger volumes of oil will be detected when the alarm probe does not detect water and the float ball activates. The system will continue to operate, removing water not oil from the vault even when oil has been detected.

10.01 PAINT

The exterior of the casting shall be protected with powder coat paint.

11.01 SUPPORT

The pump shall have cast iron support legs, enabling it to be a free standing unit.

12.01 SERVICEABILITY

Components required for the repair of the pump shall be shipped within a period of 24 hours.

13.01 TESTING

The pump shall have a ground continuity check and the motor chamber shall be Hi-potted to test for electrical integrity, moisture content and insulation defects. The motor and volute housing shall be pressurized, and an air leak decay test is performed to ensure integrity of the motor housing. The pump shall be run, voltage current monitored, and the tester checks for noise or other malfunction.

14.01 QUALITY CONTROL

The pump shall be manufactured in an ISO 9001 certified Facility.

15.01 WARRANTY

Standard limited warranty shall be 3 years.

CP-1 CIRCULATOR PUMP

VENDOR PART	VENDOR	DESCRIPTION	PAGE
UP26-99BF	GRUNDFOS	BRONZE CIRCULATOR PUMP, 1/6 HP	176

  Company name: - Created by: - Phone: - Fax: - Date: -			
Position	Count	Description	Unit price
	1	UP 26-99 BF  Product photo could vary from the actual product Product No.: 52722347 The pump is of the canned rotor type, i.e. pump and motor form an integral unit without shaft seal and with only two gaskets for sealing. The bearings are lubricated by the pumped liquid. The pump is characterized by: * Ceramic shaft and radial bearings. * Carbon axial bearing. * Stainless steel rotor can and bearing plate. * Corrosion-resistant impeller, Composite, PES. * Bronzepump housing. The motor is a 1-phase motor. No additional motor protection is required. Liquid: Liquid temperature range: 32 .. 230 °F Technical: Maximum operating pressure: 145 psi Approvals on nameplate: UL, CSA Materials: Pump housing: Bronze DIN W.-Nr. 2.1176.01 Impeller: Composite, PES Installation: Maximum ambient temperature: 104 °F Ambient max at 176°F liquid: 176 °F Maximum operating pressure: 145 psi Flange standard: USA Oval Type of connection: Bronze Flange Pipe connection: 2 - Bolt Flange Pressure stage: 10 Port-to-port length: 6 1/2 in Electrical data: Number of poles: 2	On request

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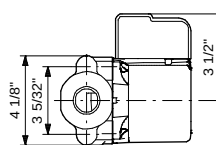
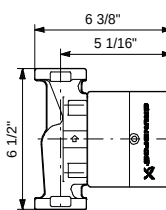
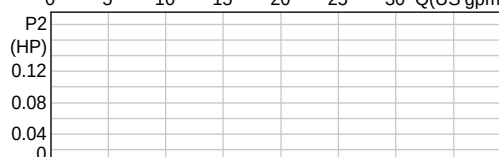
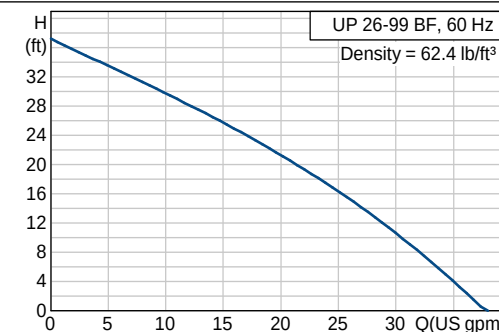
GRUNDFOS 

1/5



Company name: -
Created by: -
Phone: -
Fax: -
Date: -

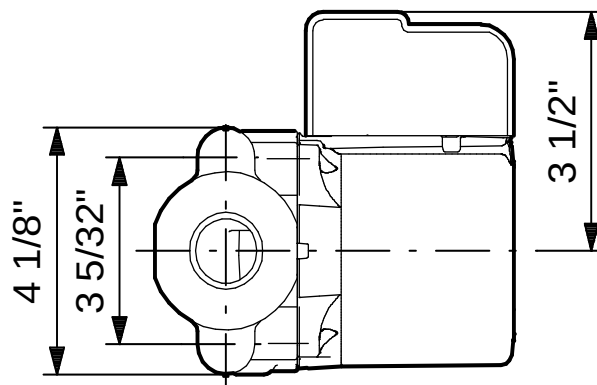
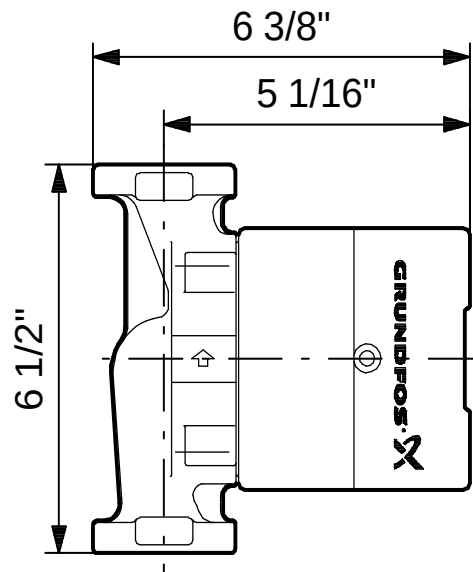
Description	Value
Product name:	UP 26-99 BF
Product Number:	52722347
EAN number:	5700391376467
Technical:	
Speed Number:	1
Max flow:	33.9 US gpm
Head max:	32.2 ft
Maximum operating pressure	145 psi
Approvals on nameplate:	UL, CSA
Materials:	
Pump housing:	Bronze
	DIN W.-Nr. 2.1176.01
Impeller:	Composite, PES
Installation:	
Maximum ambient temperature:	104 °F
Ambient max at 176°F liquid	176 °F
Maximum operating pressure	145 psi
Flange standard:	USA Oval
Type of connection:	Bronze Flange
Pipe connection:	2 - Bolt Flange
Pressure stage:	10
Port-to-port length:	6 1/2 in
Liquid:	
Liquid temperature range	32 .. 230 °F
Electrical data:	
Number of poles:	2
Max. power input:	245 W
Rated power - P2:	0.161 HP
Main frequency:	60 Hz
Rated voltage:	1 x 115 V
Current in speed 3	2.15 A
Capacitor size - run	10 µF/180 V
Insulation class (IEC 85):	F
Motor protection:	CONTACT
Thermal protec:	internal
Controls:	
Pos term box:	9H
Others:	
Gross weight:	11.5 lb





Company name: -
Created by: -
Phone: -
Fax: -
Date: -

52722347 UP 26-99 BF 60 Hz



Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

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5/5

IWH INSTANT WATER HEATER

VENDOR PART	VENDOR	DESCRIPTION	PAGE
EX012240T	EEMAX	ELECTRIC TANKLESS WATER HEATER - THER...	180



“THERMOSTATIC”
MICRO PROCESSING TEMPERATURE CONTROL

ELECTRIC TANKLESS WATER HEATERS

8/11

MODELS:

	Options	Volts	kW	Amps
EX2412T	S,FS	120V	2.4kW	20A
EX3012T	S,FS	120V	3.0kW	25A
EX3512T	S,FS	120V	3.5kW	29A
EX35T	EE,ML,S,FS	240V	3.5kW	14.6A
EX48T	EE,ML,S,FS	240V*	4.8kW	20A
EX55T	EE,ML,S,FS	240V*	5.5kW	23A
EX65T	EE,ML,S,FS	240V*	6.5kW	27A
EX75T	EE,ML,S,FS	240V*	7.5kW	32A
EX95T	EE,ML,S,FS	240V*	9.5kW	40A
EX012240T	EE,ML,S,FS	240V*	11.5kW	48A
EX8208T	EE,ML,S,FS	208V	8.3kW	40A
EX3277T	EE,ML,S,FS	277V	3kW	10.8A
EX4277T	EE,ML,S,FS	277V	4.1kW	14.8A
EX60T	EE,ML,S,FS	277V	6.0kW	22A
EX80T	EE,ML,S,FS	277V	8.0kW	29A
EX90T	EE,ML,S,FS	277V	9.0kW	33A
EX100T	EE,ML,S,FS	277V	10.0kW	36A

*Units can be used at 208V with 25% reduced output.



APPLICATIONS

ML = Multiple Lav

- Single and multiple handwash sinks maintain precise outlet temp for one, two, or three sinks
- .3 GPM turn on
- Target outlet temperature 110°F
- Metering and sensor faucet compatible
- Eliminate wait for hot water, long pipe runs



Multiple Sinks
up to 3 lavs

EE = Safety Eye Wash Fountains

- Emergency eye wash fountains



Emergency
Eye/Face Wash
Fountains

S = Boosters to 180° Sanitation

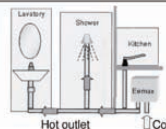
- Dishwasher
- Commercial kitchens



Boosters
for Sanitation

Shower - Low Volume .7 - 2.5 GPM

EX012240T - For small house, apartment, condos, for warm climate zone



Low Volume
Shower
(.7 GPM - 2.5 GPM)

ADVANCED TECHNOLOGY • HIGHEST EFFICIENCY • DESIGNED FOR DURABILITY

MADE IN USA

SPECIFICATION OPTIONS

- | | |
|---|---|
| ☐ EE = Emergency Eyewash "Tepid Water" ANSI Z358.1 | ☐ FS = Factory set temperature (ambient to 180°) |
| ☐ ML = Multiple Lavs (5.5-11.5kW) .3GPM activation, 110 temp | ☐ DR = External temperature control |
| ☐ S = Sanitation Setting 180° | LED temperature display (see "Home Advantage Digital Readout" spec sheet) |

QUALITY FEATURES

- **Cut Energy Waste** - flow switch activates heater only on demand (no standby heat loss) - 99% efficient
- **Save Water** - "Point of Use"
- **Eliminate Costly Mixing Valves**
- **Continuous Hot Water** - no storage capacity to run out.
- **Easy Installation** - only one cold or hot water line need be brought to installation - integral compression fittings for 1/2" pipe (5/8" OD) on bottom (no sweat connections)
- **Fully Adjustable Temperature Range between 100-140°** Special settings of higher or lower range available upon request. (see spec options)
- **Reduces Installation Cost and Material** - no T & P relief valve needed (check local codes)
- **Prevents Legionella Bacteria Growth**
- **Reduces Calcification, Liming and Sedimentation**
- **Compact Size** - dimensions 10.75"x5.25"x2.87", weight 4 lbs
- **Field Serviceable Element** - replaceable cartridge element (1 year warranty)
- **Warranty** - Heaters are guaranteed against failure due to leaks of "Heater Body/Element Assembly" for a period of FIVE YEARS.
- **High Temperature Limit Switch (ECO)** - protects against element burn out

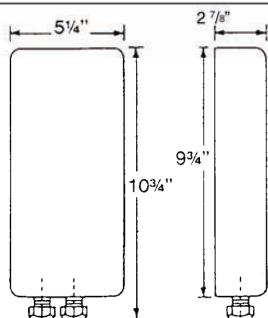
RATINGS OF "THERMOSTATIC" MODELS { cold or hot water feed }

MODEL	THERMOSTATIC OPTION	VOLTS	kW	AMPS	TEMPERATURE RISE °F						MINIMUM RECOMMENDED WIRE SIZE
					0.5 GPM	0.75 GPM	1.0 GPM	1.5 GPM	2.0 GPM	2.5 GPM	
EX2412T	S,FS	120V	2.4kW	20A	33°	22°	16°	11°	8°	n/a	10AWG
EX3012T	S,FS	120V	3.0kW	25A	41°	27°	20°	14°	10°	n/a	10AWG
EX3512T	S,FS	120V	3.5kW	29A	48°	32°	24°	16°	12°	n/a	10AWG
EX35T	EE,ML,S,FS	240V*	3.5kW	14.6A	48°	32°	24°	16°	12°	—	12AWG
EX48T	EE,ML,S,FS	240V*	4.8kW	20A	65°	44°	32°	21°	16°	13°	12AWG
EX55T	EE,ML,S,FS	240V*	5.5kW	23A	75°	50°	38°	25°	19°	15°	10AWG
EX65T	EE,ML,S,FS	240V*	6.5kW	27A	89°	59°	44°	30°	22°	18°	10AWG
EX75T	EE,ML,S,FS	240V*	7.5kW	32A	n/a	68°	51°	34°	26°	20°	8AWG
EX95T	EE,ML,S,FS	240V*	9.5kW	40A	n/a	87°	65°	43°	32°	26°	8AWG
EX012240T	EE,ML,S,FS	240V*	11.5kW	48A	n/a	—	73°	52°	39°	31°	6AWG
EX8208T	EE,ML,S,FS	208V	8.3kW	40A	—	76°	57°	38°	28°	14°	8AWG
EX3277T	EE,ML,S,FS	277V	3kW	10.8A	41°	27°	21°	14°	10°	—	14AWG
EX4277T	EE,ML,S,FS	277V	4.1kW	14.8A	56°	37°	28°	19°	14°	—	14AWG
EX60T	EE,ML,S,FS	277V	6.0kW	22A	81°	55°	41°	27°	20°	15°	10AWG
EX80T	EE,ML,S,FS	277V	8.0kW	29A	n/a	73°	55°	36°	27°	22°	10AWG
EX90T	EE,ML,S,FS	277V	9.0kW	33A	n/a	82°	61°	41°	31°	26°	8AWG
EX100T	EE,ML,S,FS	277V	10.0kW	36A	n/a	91°	68°	46°	34°	27°	8AWG

* Units can be used at 208V with 25% reduced output and amperage.

DIGITAL THERMOSTATIC TEMPERATURE CONTROL SPECIFICATION OPTIONS

- ☐ EE = (Emergency Eye Wash) to specify tepid water thermostatic units. MEETS ANSI 2358.1 Example: **EX95TEE**
Flows greater than 2 GPM consult "Series Two" (T2 Models) or "Three Phase" (T3 Models) specification sheet
- ☐ ML = (Multiple Lavs) one, two or three handwash lavs, factory set temp 110° with .3 GPM turn on (5.5kW - 11.5kW)
Example: **EX95TML** {includes one, two, or three .5 GPM aerators (EX0061)}
- ☐ S = (Sanitation Setting) thermostat set to 180°. Example: **EX95TS**
- ☐ FS = (Factory Set) temperature ambient to 180° Example: **EX95FS 105°**



SPECIFICATIONS:

Dimensions: 10.75"x5.25"x2.78"
 Weight: 4 lbs.
 Cover: ABS UL rated 94Vo.
 Color: White
 Standard temperature range 100°F-140°F
 Element: Replaceable Ni Chrome cartridge insert
 Fittings: 1/2" pipe compression fittings at bottom of unit. (5/8" OD)
 UL Listed: E86887 (M)
 U.S. Patent #'s: 4,762,980 and 4,960,976

SUGGESTED SPECIFICATION

Tankless Water Heater shall be an Eemax Thermostatic Model, with digital microprocessing temperature control capable of maintaining outlet temperature of +/- 1°F accuracy,

_____ , with _____ kW,
 _____ model # _____ kW rating
 _____ voltage _____ vac, and _____ amperage to heat _____ GPM @ a

temperature rise of _____ degrees F. Unit shall have ABS-UL 94Vo rated cover. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall be iron free, Nickel Chrome material. Heater shall be fitted with 1/2" pipe compression nuts (5/8" OD) or 3/8" sleeves, to eliminate need for soldering. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.



SPECIAL DESIGN SERVICE

INQUIRIES FOR UNITS FOR UNIQUE APPLICATIONS ARE WELCOME. CALL OUR TECHNICAL SERVICE DEPT. 1-800-543-6163

EEMAX SUBMITTAL

Engineer/Architect: _____
 Job Name/Customer: _____
 Location: _____
 Contractor: _____
 Representative: _____
 HEATER SPECIFICATIONS:
 Thermostatic Model # EX _____ T _____ Option _____ Quantity _____ kW _____ Voltage _____ AMPS _____ GPM _____



353 Christian St., Oxford, CT 06478

www.eemax.com
 email: info@eemaxinc.com

Telephone: (203) 267-7890
 Toll Free: 1-800-543-6163
 Fax: (203) 267-7975

BP-1 BOOSTER PUMP

VENDOR PART	VENDOR	DESCRIPTION	PAGE
MVP-850-208	HYFAB	HYFAB 5HP 208V VARIABLE SPEED BOOSTER...	183



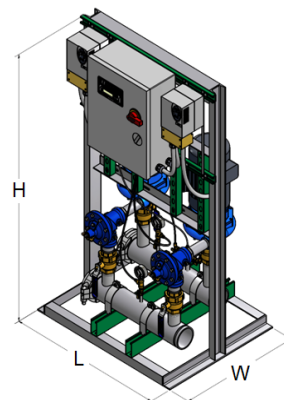
MVP Series

MVP-850-208

Variable Speed Pressure Booster

MVP booster system is fully piped, wired, mounted on a structural steel frame, and hydrostatically and run-tested. System includes; end suction pumps, service isolation ball valves, and suction/discharge pressure gauges. Each pump is furnished with a pilot operated serviceable check valve, and a self-contained thermal relief valve. UL 508A listed control panel includes a door operated main disconnect, microprocessor based PLC, door mounted touchscreen operator interface, power distribution and protection for AFDs which are mounted externally for optimal ventilation. PLC monitors and controls pressure and temperature to provide safe and efficient operation. "Flo Check" shutdown control logic ensures booster shuts down when not required. Complete booster is UL Listed as a Packaged Pumping System.

System Design Data		
Design system capacity		GPM
System discharge pressure		PSI
Maximum discharge pressure	175	PSI
Suction pressure available		PSI
Pressure boost developed		PSI
Suction connection type	4" Grooved End	
Discharge connection type	4" Grooved End	



Maximum Dimensions

L = 36" W = 28" H = 60"

Approximate Shipping Weight = 537 lbs. System FLA = 27 @ 208/3/60 MCA = 30.3A MOCP = 46.5A

Hydro-pneumatic Tank: ☐ None ☐ Shipped Loose ☐ Mounted

Special Construction Features:

Ship Loose Items (Field installed by contractor):



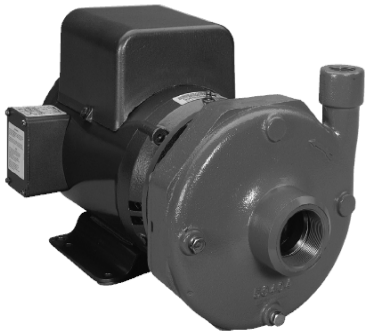
Packaged Pumping Systems
508A Control Panel



NSF/ANSI 61
NSF/ANSI 372



MVP-850-208



Features/Benefits

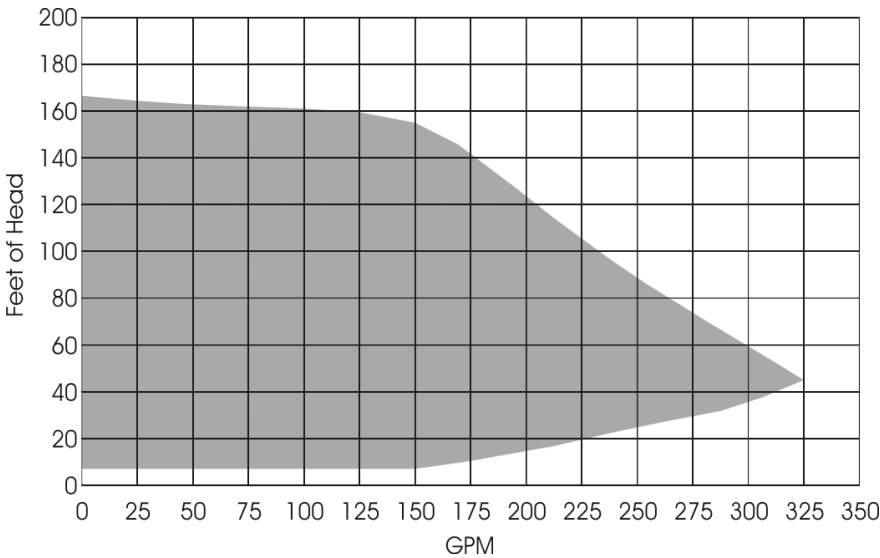
- Back pull-out to reduce maintenance downtime
- Replaceable wear rings and stainless steel shaft sleeve
- Standard NEMA JM motor
- Max discharge pressure of 175 psi
- Max suction pressure of 100 psi
- Maximum temperature 212°F
- Type 21 mechanical seal

Materials of construction

- Volute - Cast Iron, ASTM A48 CL20
- Volute O-ring -Viton
- Impeller - Silicon bronze ASTM B584, C87500
- Mechanical seal, Carbon/Sil-Carbide/Viton

Pump Data	Pump One	Pump Two
Pump Series	HFP-850	HFP-850
Motor Horsepower	5	5
Motor RPM	3500	3500
Voltage / Phase / Hertz	208/3/60	208/3/60
Pump Capacity (GPM)		
Pump TDH (Feet)		
Check Valve Size	2"	2"
Motor Efficiency / Enclosure	Energy Efficient / ODP	Energy Efficient / ODP
Motor FLA	13.0	13.0

Performance Curve





Control Panel Submittal

Standard Variable Speed Control Panel Features

- Single point power connection
- U/L 508A Listed Industrial Control Panel
- Digital programmable logic pump controller (PLC) with door mounted 3.4" Touchscreen Interface with all parameters displayed in plain English.
- Full function redundant operator interface on PLC
- Internally protected DC power supply for controls
- Flo-Check no demand shut down control logic
- Digital input for remote enable/disable
- Three color back-lit touchscreen with all parameters in Temperature sensor for each pump
- Temperature sensor for each pump
- Door operated main power disconnect
- Automatic lead/lag pump alternation (Equal size pumps required)
- Variable frequency drive for each pump (mounted externally)
- Digital output for general alarm
- Motor circuit protector for each pump / VFD
- NEMA 1 enclosure
- Pump protection logic

Standard Alarms

- Pump / VFD fault
- Low suction shutdown
- Low system pressure
- Low suction pressure shutdown/alarm
- High and low discharge pressure shutdown/alarm
- High temperature shutdown/alarm
- Low water level shutdown/alarm (opt. sensor required)

Touch Screen Indication Features

- Power on
- Pump out of service
- General fault
- Pump / VFD status
- System pressure
- Suction pressure
- Discharge temperature
- Pump elapsed run time
- Pump failure detection

Optional Features:

- ☐ Audio alarm with silencing button
- ☐ Low water level shutdown sensor
- ☐ NEMA 4 enclosure
- ☐ 3.5" full color touchscreen
- ☐ 5.7" full color touchscreen
- ☐ BACnet® MS/TP communication
- ☐ BACnet® /IP communication
- ☐ DemandSet control



**Equipment Submittal****Sequence of Control****Pump(s) Start**

The pump will run when the system pressure is less than the start pressure setpoint (adjustable % of setpoint) and no standby conditions exist. After the pump starts it will run until a No Flow Standby, (NFSB) condition is recognized.

Staging Control

The lead pump speed shall vary to maintain the system pressure setpoint via PID control of drive speed. If pressure cannot be maintained by the lead pump, the lag pump will be started.

De-staging Control

When system demand can be met by a single pump and the lag pump minimum run timer is satisfied, the lag pump will be stopped.

Flow Standby (NFSB)

When the pump logic controller senses a no-flow condition for 15 seconds (adjustable) it will initiate a flo-check test. If the test confirms a no flow condition the lead pump will shut down and remain off until a start condition exists.

High Temperature Shutdown (HTSD)

The pump(s) will shut down if the discharge temperature exceeds 125°F (adjustable) for 60 seconds (adjustable.) Reset will occur when the temperature has fallen 10° F (adjustable) below the shutdown setpoint for the timer duration above. High temperature shutdown shall occur regardless of the minimum run timer condition. A HTSD will activate the remote alarm relay. Setting the HTSD delay time to 0 shall disable this function.

Low Suction Pressure Shutdown (LSSD)

When pressure falls below the low suction pressure setpoint for 15 seconds (adjustable) the pump(s) will stop. Reset will occur when the pressure exceeds the LSSD setpoint by 5 PSI (adjustable). This function is independent of the minimum run timer condition. Setting the suction pressure transmitter span to zero shall disable this function. A LSSD will activate the remote alarm relay. This alarm will reset automatically when suction pressure rises above the low suction setpoint for the timer duration above.

Low System Pressure Alarm

When system pressure is below the start pressure setpoint for 30 seconds (adjustable) an alarm will be set. A low system pressure alarm will activate the remote alarm relay. This alarm normally does not shut pumps down. If pump protect is enabled in the configuration screens, this alarm will cause pumps to shutdown.

Pump Failure Alarm

If a pump fails to start as sensed by its VFD run contact an alarm will be set. If the lead pump fails to start, the lag pump will start. A pump failure alarm will activate the remote alarm relay.

DemandSet Control (Optional)

System pressure set point will be reset based on demand. Booster will continuously monitor flow and decrease set point or amount of variable head loss between booster discharge and critical fixture.



Equipment Submittal

Optional Accessories



☐ Included

MVP-FK-4 - Flange Adapter Kit

- Fastens to standard booster headers
- Allows for a flanged connection on suction and discharge headers
- Kit includes two flanges and two couplings.



☐ Included

MVP-TF-4 - Transition Fittings

- Fastens to standard booster headers
- Allows for easy transition from standard grooved header to a copper connection
- Kit includes two fittings



☐ Included

MVP-TC-4 - Hydro-Pneumatic Tank Easy Connect End Cap

- Fastens to standard booster headers
- Union connection allows for easy connection to a hydro-pneumatic tank
- Drain port with hose connection
- Replaces standard end cap on discharge header
- 3/4" Tank connection



☐ Included

MVP-FTC-XX - Flexible Transition Fittings** *(Replace the "xx" with the code below.)*

- Fastens to standard booster headers
- Allows for flexible transition to various piping connections
- Choose desired connection:

	Code	Package Connection	System Connection
☐	3C	Grooved	3" Copper, FSWT
☐	4C	Grooved	4" Copper, FSWT
☐	4F	Grooved	4" Flanged, 150#



☐ Included

MVP-ENC - Outdoor Enclosure**

- Laminated fiberglass construction
- Insulated for strength and sound protection
- Ultra violet stabilized
- Lockable

***Requires additional lead time*

FD-1 FLOOR DRAIN

VENDOR PART	VENDOR	DESCRIPTION	PAGE
FD-100-A	WATTS	FLOOR DRAIN WITH ROUND STRAINER	189

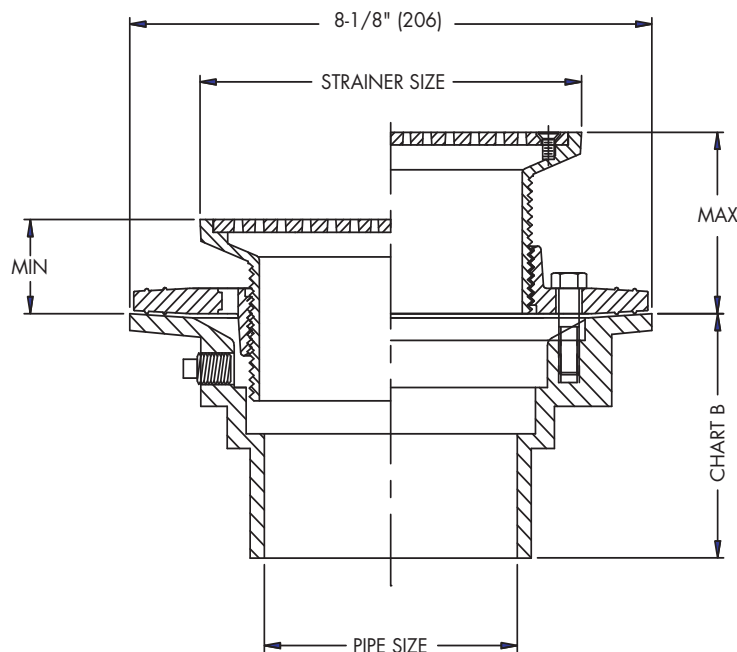


FD-100-A

Tag: _____

Floor Drain with Round Strainer

SPECIFICATION: Watts Drainage FD-100-A epoxy coated cast iron floor drain with anchor flange, reversible clamping collar with primary & secondary weepholes, adjustable round heel proof nickel bronze strainer, and no hub (standard) outlet.



Strainer Size				
Str. Dia.	Min.	Max.	Load Rating	Free Area Sq. In.
5\"(127)	13/16\"(21)	3-1/4\"(83)	*MD	8
6\"(152)	7/8\"(22)	3-3/8\"(86)	*MD	9
7\"(178)	11/16\"(17)	3-1/4\"(83)	*MD	12
8\"(203)	7/8\"(22)	3-1/4\"(83)	*MD	18
10\"(254)	1-1/4\"(32)	3-1/4\"(83)	*HD	28

* The load classifications are in accordance with the American National Standards ASME A112.21.1M
ASME Ratings are as follows:
MD - Safe Live Load 2000-4999 lbs.(900-2250kg)
HD - Safe Live Load 5000-7499 lbs.(2250-3375kg)
The above categories are given as a guide only.
Please consult factory.

Chart B					
Pipe Size	Std. No Hub	P Push On	T Female Thread	X Inside Caulk	60/61 PVC/ABS
2\"(51)	3-5/8\"(92)	4-1/4\"(108)	4-1/4\"(108)	4-1/2\"(114)	4\"(102)
3\"(76)	3-5/8\"(92)	4-1/4\"(108)	4-1/4\"(108)	4-1/2\"(114)	4\"(102)
4\"(102)	3-5/8\"(92)	4-1/4\"(108)	4-1/4\"(108)	4-1/2\"(114)	4\"(102)
6\"(152)	3-1/2\"(89)				

Components



Pipe Sizing (Select One)

Suffix	Description	
2	2\"(51) Pipe Size	☐
3	3\"(76) Pipe Size	☐
4	4\"(102) Pipe Size	☐
6	6\"(152) No Hub Only	☐

Outlet Type (Select One)

Suffix	Description	
NH	No Hub (MJ)	☐
P	Push On	☐
T	Threaded Outlet	☐
X	Inside Caulk	☐

Strainer (Select One)

Suffix	Description	
A5	5\"(127) Diameter, Nickel Bronze	☐
A6	6\"(152) Diameter, Nickel Bronze	☐
A7	7\"(178) Diameter, Nickel Bronze	☐
A8	8\"(203) Diameter, Nickel Bronze	☐
A10	10\"(254) Diameter, Nickel Bronze	☐

Options (Select One or More)

Suffix	Description	
-5	Sediment Bucket	☐
-6	Vandal Proof	☐
-7	Trap Primer Tapping	☐
-8	Backwater Valve (2\", 3\", 4\" Only)	☐
-13	Galvanized Body	☐
-15	Strainer Extension (DD-50)	☐
-F4-50	4\" Round Cast Iron Funnel	☐
-F4-1	4\" Round Nickel Bronze Funnel	☐
-F6-1	6\" Round Nickel Bronze Funnel	☐
-G-50	4x9\" Oval Cast Iron Funnel	☐
-G-1	4x9\" Oval Nickel Bronze Funnel	☐
-SO	Side Outlet	☐
-US	Buy American Compliant	☐

Optional Body Material

Suffix	Description	
-60	PVC Body w/Socket Outlet	☐
-61	ABS Body w/Socket Outlet	☐

Job Name _____ Contractor _____

Job Location _____ Contractor's P.O. No. _____

Engineer _____ Representative _____

WATTS Drainage reserves the right to modify or change product design or construction without prior notice and without incurring any obligation to make similar changes and modifications to products previously or subsequently sold. See your WATTS Drainage representative for any clarification. Dimensions are subject to manufacturing tolerances.



Specification Drainage Products

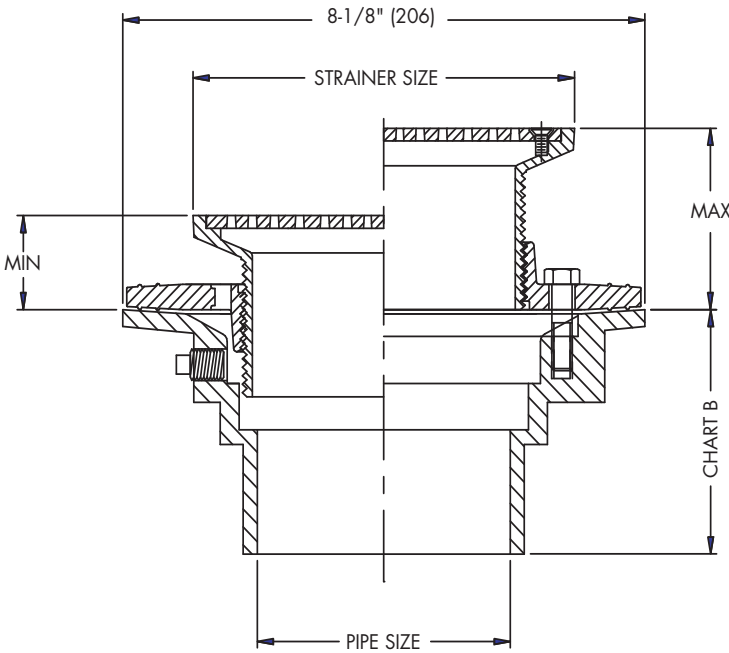
USA: 100 Watts Road, Spindale, NC, 28160-2298; TEL: 828-288-2179 TOLL-FREE: 1-800-338-2581 www.watts.com

ES-WD-FD-100-A USA 1341

FD-100-A

FD-2 FLOOR DRAIN

VENDOR PART	VENDOR	DESCRIPTION	PAGE
FD-100-A	WATTS	FLOOR DRAIN WITH ROUND STRAINER	191

	FD-100-A Tag: _____	Floor Drain with Round Strainer																																																																																																			
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ES-WD-FD-100-A USA 1341

FD-100-A

FD-3 FLOOR DRAIN

VENDOR PART	VENDOR	DESCRIPTION	PAGE
FD-100-A	WATTS	FLOOR DRAIN WITH ROUND STRAINER	193

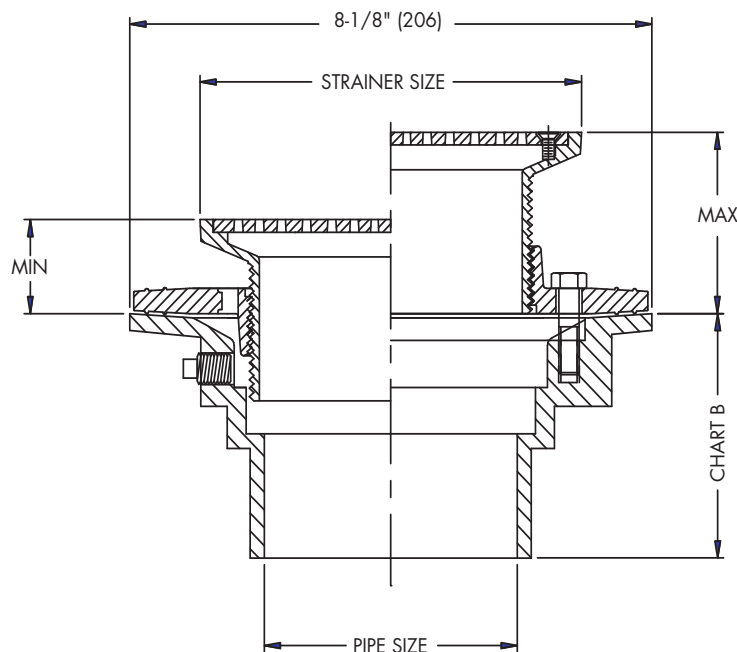


FD-100-A

Tag: _____

Floor Drain with Round Strainer

SPECIFICATION: Watts Drainage FD-100-A epoxy coated cast iron floor drain with anchor flange, reversible clamping collar with primary & secondary weepholes, adjustable round heel proof nickel bronze strainer, and no hub (standard) outlet.



Strainer Size				
Str. Dia.	Min.	Max.	Load Rating	Free Area Sq. In.
5\"(127)	13/16\"(21)	3-1/4\"(83)	*MD	8
6\"(152)	7/8\"(22)	3-3/8\"(86)	*MD	9
7\"(178)	11/16\"(17)	3-1/4\"(83)	*MD	12
8\"(203)	7/8\"(22)	3-1/4\"(83)	*MD	18
10\"(254)	1-1/4\"(32)	3-1/4\"(83)	*HD	28

* The load classifications are in accordance with the American National Standards ASME A112.21.1M
ASME Ratings are as follows:
MD - Safe Live Load 2000-4999 lbs.(900-2250kg)
HD - Safe Live Load 5000-7499 lbs.(2250-3375kg)
The above categories are given as a guide only.
Please consult factory.

Chart B					
Pipe Size	Std. No Hub	P Push On	T Female Thread	X Inside Caulk	60/61 PVC/ABS
2\"(51)	3-5/8\"(92)	4-1/4\"(108)	4-1/4\"(108)	4-1/2\"(114)	4\"(102)
3\"(76)	3-5/8\"(92)	4-1/4\"(108)	4-1/4\"(108)	4-1/2\"(114)	4\"(102)
4\"(102)	3-5/8\"(92)	4-1/4\"(108)	4-1/4\"(108)	4-1/2\"(114)	4\"(102)
6\"(152)	3-1/2\"(89)				

Components



Pipe Sizing (Select One)

Suffix	Description	
2	2\"(51) Pipe Size	☐
3	3\"(76) Pipe Size	☐
4	4\"(102) Pipe Size	☐
6	6\"(152) No Hub Only	☐

Outlet Type (Select One)

Suffix	Description	
NH	No Hub (MJ)	☐
P	Push On	☐
T	Threaded Outlet	☐
X	Inside Caulk	☐

Strainer (Select One)

Suffix	Description	
A5	5\"(127) Diameter, Nickel Bronze	☐
A6	6\"(152) Diameter, Nickel Bronze	☐
A7	7\"(178) Diameter, Nickel Bronze	☐
A8	8\"(203) Diameter, Nickel Bronze	☐
A10	10\"(254) Diameter, Nickel Bronze	☐

Options (Select One or More)

Suffix	Description	
-5	Sediment Bucket	☐
-6	Vandal Proof	☐
-7	Trap Primer Tapping	☐
-8	Backwater Valve (2\", 3\", 4\" Only)	☐
-13	Galvanized Body	☐
-15	Strainer Extension (DD-50)	☐
-F4-50	4\" Round Cast Iron Funnel	☐
-F4-1	4\" Round Nickel Bronze Funnel	☐
-F6-1	6\" Round Nickel Bronze Funnel	☐
-G-50	4x9\" Oval Cast Iron Funnel	☐
-G-1	4x9\" Oval Nickel Bronze Funnel	☐
-SO	Side Outlet	☐
-US	Buy American Compliant	☐

Optional Body Material

Suffix	Description	
-60	PVC Body w/Socket Outlet	☐
-61	ABS Body w/Socket Outlet	☐

Job Name _____ Contractor _____

Job Location _____ Contractor's P.O. No. _____

Engineer _____ Representative _____

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Specification Drainage Products

USA: 100 Watts Road, Spindale, NC, 28160-2298; TEL: 828-288-2179 TOLL-FREE: 1-800-338-2581 www.watts.com

ES-WD-FD-100-A USA 1341

FD-100-A

FD-4 FLOOR DRAIN

VENDOR PART	VENDOR	DESCRIPTION	PAGE
Z415I	ZURN	BODY ASSEMBLY W/ "TYPE I" STRAINER	195



Z415I

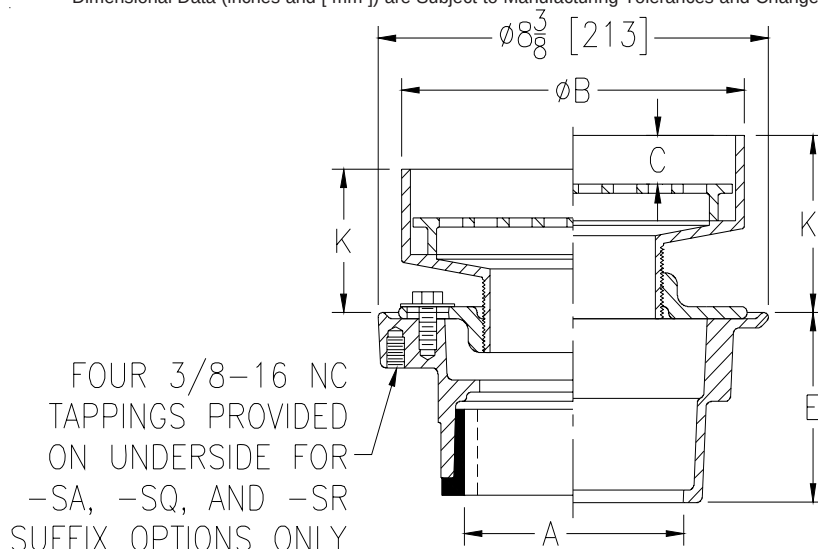
BODY ASSEMBLY

W/ "TYPE I" STRAINER

SPECIFICATION SHEET

TAG _____

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



Dimensions In Inches							Approx. Wt. Lbs. [kg]	Strainer Open Area Sq. In. [cm²]
A - Pipe Size	B Strainer Dia.	C	K		K'			
			Min.	Max.	Min.	Max.		
2-3 [51-76]	5-7/16 [138]	7/8 [22]	1-9/16 [40]	2-5/8 [67]	2-1/8 [54]	3-3/8 [86]	14 [6]	8 [52]
2-3-4 [51-76-102]	7-3/8 [187]	1 [25]	2-9/16 [65]	3-3/8 [86]	2-7/8 [73]	4-1/8 [105]	19 [9]	13 [84]
3-4 [76-102]	9 [229]	1/2 [13]	2-3/16 [56]	3-1/8 [79]	2-5/8 [67]	3-7/8 [98]	23 [10]	23 [148]
6 [152]	9 [229]	1/2 [13]	2-3/16 [56]	3-1/8 [79]	2-5/8 [67]	3-7/8 [98]	23 [10]	23 [148]

ENGINEERING SPECIFICATION: ZURN ZN415I

Floor and shower drain, Dura-Coated cast iron body with bottom outlet, combination invertible membrane clamp and adjustable collar with seepage slots and "TYPE I" polished nickel bronze strainer with raised flange.

OPTIONS (Check/specify appropriate options)

PIPE SIZE

2 thru 4 [51 thru 102]
2 thru 4 [51 thru 102]
2 [51]
3 [76]
4 [102]
6 [152]
2 thru 4 [51 thru 102]
2 thru 4 [51 thru 102]

(Specify size/type) OUTLET

_____ IC Inside Caulk
_____ IG Inside Gasket
_____ IP Threaded
_____ IP Threaded
_____ IP Threaded
_____ IP Threaded
_____ NH No-Hub
_____ NL Neo-Loc

'E' BODY HT. DIM.

3-7/8 [98]
3-7/8 [98]
2-3/8 [60]
2-5/8 [67]
2-7/8 [73]
2-3/4 [70]
3-7/8 [98]
3-3/4 [95]

PREFIXES

_____ ZB D.C.C.I. Body Assembly w/ Polished Bronze Top
_____ ZN D.C.C.I. Body Assembly w/ Polished Nickel Bronze Top*

SUFFIXES

_____ -AR Acid Resisting Epoxy Coated Cast Iron
_____ -G Galvanized Cast Iron
_____ -P Trap Primer Connection (Specify 1/2 [13] or 3/4 [19])
_____ -SA Stabilizer Assembly (See Z1035)
_____ -SQ Stabilizer Q-Deck (See Z1035-Q)
_____ -SR Stabilizer Ring
_____ -TC Neo-Loc Test Cap Gasket
(2 - 4 [51 - 76] NL Bottom Outlet Only)
_____ -TS Top Secured with Slotted Screws

_____ -U 1 - 3 [25 - 76] High Extension Adapter
_____ -V Backwater Valve
_____ -VP Vandal-Proof Secured Top
_____ -Y Sediment Bucket
_____ -18 Leveling Ring (See Z400-18)
_____ -90 90° Threaded Side Outlet Body Assembly (2 [51], 3 [76] Only)

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

REV. M DATE: 07/29/11 C.N. NO. 121769
DWG. NO. 58797 PRODUCT NO. Z415I

ZURN INDUSTRIES, LLC ♦ SPECIFICATION DRAINAGE OPERATION ♦ 1801 Pittsburgh Ave. ♦ Erie, PA 16514
Phone: 814/455-0921 ♦ Fax: 814/454-7929 ♦ World Wide Web: www.zurn.com
In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905/405-8272 Fax: 905/405-1292

FD-5 FLOOR DRAIN

VENDOR PART	VENDOR	DESCRIPTION	PAGE
FD-320	WATTS	AREA DRAIN WITH 8 IN. ADJUSTABLE TOP	197



FD-320
Tag: _____

**Area Drain with
8" Adjustable Top**

SPECIFICATION: Watts Drainage FD-320 epoxy coated cast iron area drain with anchor flange, body collar with weepholes, 8"(203) diameter adjustable top with heel proof ductile iron grate, and no hub (standard) outlet.

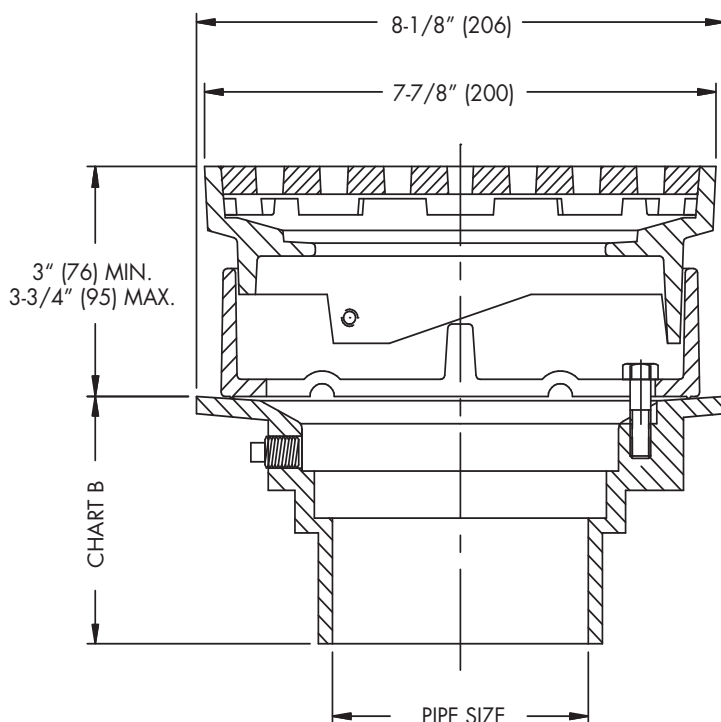


Chart B

	Std.	P	T	X	60/61
Pipe Size	No Hub	Push On	Female Thread	Inside Caulk	PVC/ABS
2"(51)	3-5/8"(92)	4-1/4"(108)	4-1/4"(108)	4-1/4"(108)	3-3/4"(95)
3"(76)	3-5/8"(92)	4-1/4"(108)	4-1/4"(108)	4-1/4"(108)	3-5/8"(92)
4"(102)	3-5/8"(92)	4-1/4"(108)	4-1/4"(108)	4-1/4"(108)	3-7/8"(94)
6"(152)	3-1/2"(89)				

Load Rating & Free Area

Load Rating	Free Area Sq. In.
*XHD	18

* The load classifications are in accordance with the American National Standards ASME A112.21.1M. ASME Ratings are as follows:
XHD - Safe Live Load 7500-10000 lbs.(3375-4500kg)
The above categories are given as a guide only. Please consult factory.

Components



Pipe Sizing (Select One)

Suffix	Description	
2	2"(51) Pipe Size	☐
3	3"(76) Pipe Size	☐
4	4"(102) Pipe Size	☐
6	6"(152) Pipe Size (NH Only)	☐

Outlet Type (Select One)

Suffix	Description	
NH	No Hub (MJ)	☐
P	Push On	☐
T	Threaded Outlet	☐
X	Inside Caulk	☐

Options (Select One or More)

Suffix	Description	
-1	Nickel Bronze Top	☐
-5	Sediment Bucket	☐
-6	Vandal Proof	☐
-7	Trap Primer Tapping	☐
-8	Backwater Valve (2,3,4" Only)	☐
-13	Galvanized Body	☐
-21	Secondary Strainer	☐
-34	Closure Plug	☐
-DG	Dome Grate	☐
-F4-50	4" Round Cast Iron Funnel	☐
-F4-1	4" Round Nickel Bronze Funnel	☐
-F6-1	6" Round Nickel Bronze Funnel	☐
-G-50	4x9" Oval Cast Iron Funnel	☐
-G-1	4x9" Oval Nickel Bronze Funnel	☐
-SO	Side Outlet (2,3,4" Only)	☐
-US	Buy American Compliant	☐

Optional Body Material

Suffix	Description	
-60	PVC Body w/Socket Outlet	☐
-61	ABS Body w/Socket Outlet	☐

Job Name _____ Contractor _____
Job Location _____ Contractor's P.O. No. _____
Engineer _____ Representative _____

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Specification Drainage Products

USA: 100 Watts Road, Spindale, NC, 28160-2298; TEL: 828-288-2179 TOLL-FREE: 1-800-338-2581 www.watts.com

ES-WD-FD-320 USA 1347

FD-320

FD-6 FLOOR DRAIN

VENDOR PART	VENDOR	DESCRIPTION	PAGE
FD-860	WATTS	WATTS AREA DRAIN W/ SCREEN TOP	199

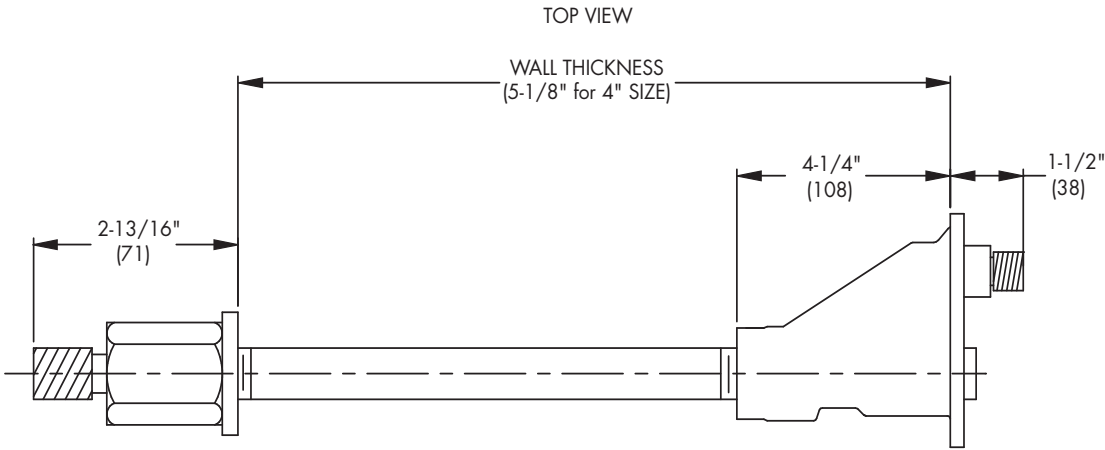
	FD-860 Tag: _____	Planting Area Drain																																																																											
SPECIFICATION: Watts Drainage FD-860 epoxy coated cast iron planting area drain with membrane clamp, self-locking dome with stainless steel mesh, and no hub (standard) outlet.																																																																													
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Specification Drainage Products USA: 100 Watts Road, Spindale, NC, 28160-2298; TEL: 828-288-2179 TOLL-FREE: 1-800-338-2581 www.watts.com																																																																													

ES-WD-FD-860 USA 1304

FD-860

WH WALL HYDRANT

VENDOR PART	VENDOR	DESCRIPTION	PAGE
HY-420	WATTS	NON-FREEZE WALL HYDRANT WITH CHROME F...	201

	HY-420 Tag: _____	Non-Freeze Wall Hydrant with Chrome Face, Integral Vacuum Breaker																																																									
SPECIFICATION: Watts Drainage HY-420 non-freeze key operated wall hydrant with chrome plated face, integral vacuum breaker, 3/4"(19) hose connection, 3/4"(19) female x 1"(25) male pipe connection, all bronze head, seat casting and internal working parts, bronze wall casing, and loose key. Complies with ASSE 1019-2004, UPC/IAMPO Listed. Max. operating pressure 125 psi.																																																											
TOP VIEW 																																																											
Recommended Wall Opening: 2" x 4" (51 x 102)																																																											
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Job Location _____	Contractor's P.O. No. _____
Engineer _____	Representative _____

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

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Latin America: Tel: (52) 81-1001-8600 • Fax: (52) 81-8000-7091 • Watts.com
 ES-WD-HY-420-USA 1514


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TMV MIXING VALVE

VENDOR PART	VENDOR	DESCRIPTION	PAGE
XL-200-SW-LF-BDT	LEONARD	LEONARD MASTER MIXING VALVE	203

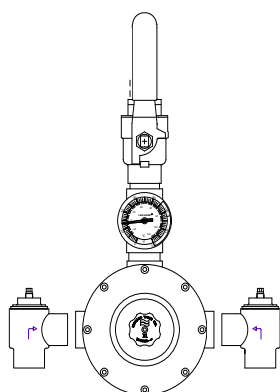


Submittal Data Sheet S-2006SW-LF
April 2016

ECO-MIX™

HIGH LOW THERMOSTATIC MIXING VALVES

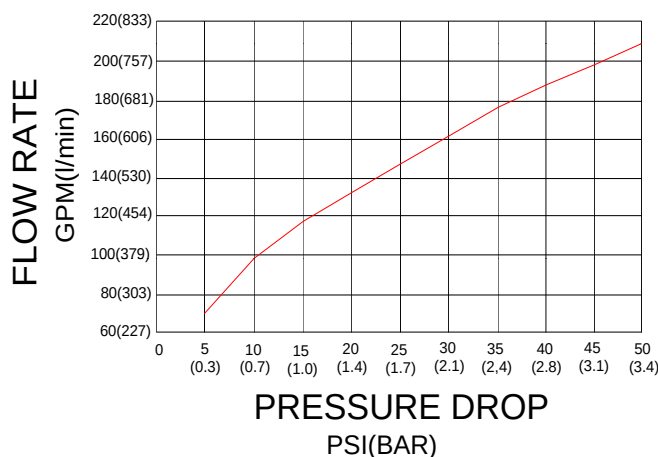
XL-200-SW-LF-BDT_____
5-208 GPM (18.9-787 l/min)



- High Low Thermostatic Water Mixing Valve with 5 GPM (18.9 l/min) minimum flow capacity
- 2" inlets, 2" outlet (51 mm x 51 mm)
- Outlet dial thermometer and ball valve
- Integral combination checkstops with strainers and wall support (SHIP LOOSE)
- 125 PSI (8.6 BAR) maximum operating pressure
- Copper encapsulated thermostatic assembly with Teflon coated stainless steel shuttle
- Locking temperature regulating handle set for 120°F(49°C)*
- Temperature adjustment range, 95-135°F (35-57°C)**
- Internal parts of stainless steel
- Rough Bronze Finish

NOTE: Sweat inlets & outlet, checks shipped loose

PRESSURE DROP											
MIN ⁺ FLOW	5	10	15	20	25	30	35	40	45	50	PSI
	0.3	0.7	1	1.4	1.7	2.1	2.4	2.8	3.1	3.4	BAR
5	69	96	117	135	148	163	174	188	198	208	GPM
18.9	216	363	443	511	560	617	659	712	750	787	l/min



+NOTE: The valve will maintain temperature with 0.5GPM flow from the domestic hot water loop when properly installed near the hot water source with a continuously operating recirculation pump.

OPTIONS

- ___ SUFFIX **LWS** Less wall support
- ___ SUFFIX **TC** Test connection (shipped loose)
- ___ SUFFIX **IT** Inlet thermometers (shipped loose)

NOTE: Leonard Valve Company reserves the right of product or design modification without notice or obligation

ASSE 1017 Certified



cUPC Certified



This valve is certified to meet Low Lead requirements of wetted surface area containing less than 0.25% lead by weight

****NOTE:** For temperatures outside of this valve's stated range, please see our line of bi-metal valves.

***NOTE:** A locking temperature regulator set for 120°F (49°C), is simply a mechanical setting to prevent unauthorized temperature set point changes. If incoming water is hotter than 150°F (65.5°C), the temperature of the factory test, the valve may deliver in excess of 120°F. **MUST BE RESET BY THE INSTALLER**



A schematic diagram of a water heating system. At the center is a boiler with two pressure gauges on its sides. Above the boiler is a vertical riser pipe with a thermometer and a ball valve. This riser pipe connects to a horizontal header pipe that branches out to four radiators. A return pipe runs horizontally below the radiators, featuring a ball valve and a check valve. This return pipe connects to a vertical downcomer on the left, which has a check valve and leads to a 'HOT WATER SOURCE'. A 'COLD SUPPLY' line enters from the bottom left, passing through a ball valve and a check valve before entering the boiler. On the right side of the boiler, a circulator pump is connected to the main loop, with an aquastat and a ball valve in the line. The entire system is labeled 'FIXTURES, SUPPLIED BY TEMPERED WATER' at the top.

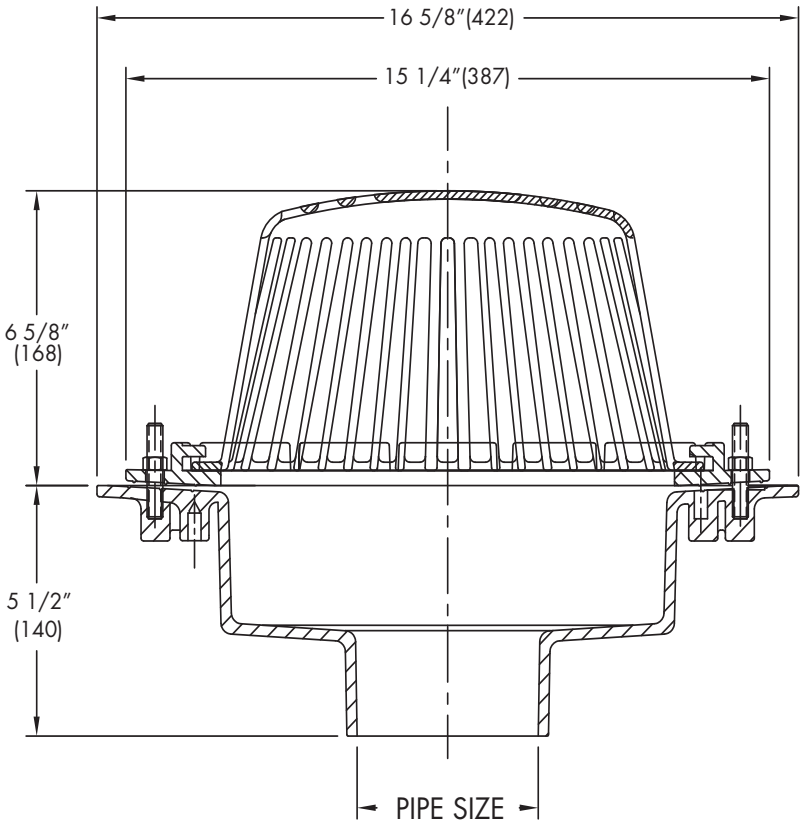


LEONARD
WATER TEMPERATURE CONTROLS

Web Site: <http://www.leonardvalve.com>

RD ROOF DRAIN

VENDOR PART	VENDOR	DESCRIPTION	PAGE
RD-300	WATTS	HIGH VOLUME ROOF DRAIN	206

	RD-300 Tag: _____	High Volume Roof Drain																																																						
SPECIFICATION: Watts Drainage RD-300 epoxy coated cast iron roof drain with flashing clamp with integral gravel stop, self-locking polyethylene dome, and no hub (standard) outlet.																																																								
 Free Area Sq. In. 137 Deck opening 14-1/2" (368) with sump receiver 18" (457)																																																								
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DSN DOWNSPOUT NOZZLE

VENDOR PART	VENDOR	DESCRIPTION	PAGE
RD-940	WATTS	DOWNSPOUT NOZZLE	208

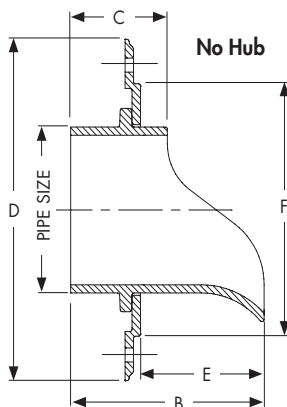
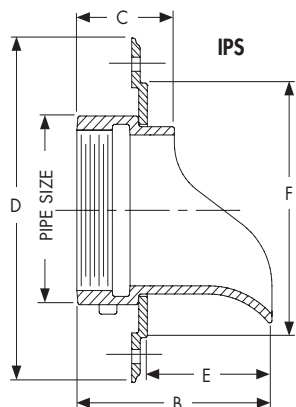


RD-940

Tag: _____

Downspout Nozzle

SPECIFICATION: Watts Drainage Products RD-940 cast nickel bronze downspout nozzle with anchor flange, countersunk mounting holes, and IPS threaded (standard), no hub, or push-on connection.



Options

Suffix	Description	
-83	Stainless Steel Bird Screen	☐
-NH	No Hub	No Add ☐
-P	Push-on Connection (3,4,6,8" Only)	No Add ☐
-US	Buy American Compliant (3,4,6,8" IPS/NH Only)	☐

IPS THREADED CONNECTION

Model	Pipe Size	B	C	D	E	F
RD-942	2" (51)	5-1/4" (133)	2-1/4" (57)	6-3/4" (171)	3-1/2" (89)	4-3/4" (121)
RD-943	3" (80)	5-1/4" (133)	2-1/2" (63)	8-1/4" (210)	3-1/2" (89)	6-3/8" (162)
RD-944	4" (100)	5-1/4" (133)	2-3/4" (70)	9-1/8" (232)	3-1/2" (89)	7" (178)
RD-946	6" (152)	5-1/4" (133)	2-3/4" (70)	11-3/8" (289)	3-1/2" (89)	9" (229)
RD-948	8" (200)	6" (152)	3" (76)	12-1/2" (318)	4" (102)	11" (279)

NO HUB CONNECTION

Model	Pipe Size	B	C	D	E	F
RD-942-NH	2" (51)	5-1/4" (133)	2-1/4" (57)	6-3/4" (171)	3-1/2" (89)	4-3/4" (121)
RD-943-NH	3" (80)	5-1/4" (133)	2-1/2" (63)	8-1/4" (210)	3-1/2" (89)	6-3/8" (162)
RD-944-NH	4" (100)	5-1/4" (133)	2-3/4" (70)	9-1/8" (232)	3-1/2" (89)	7" (178)
RD-945-NH	5" (130)	5-1/4" (133)	3" (76)	9-1/4" (235)	3-3/8" (86)	7-1/4" (184)
RD-946-NH	6" (152)	5-1/4" (133)	2-3/4" (70)	11-3/8" (289)	3-1/2" (89)	9" (229)
RD-948-NH	8" (200)	6" (152)	3" (76)	12-1/2" (318)	4" (102)	11" (279)
RD-9410-NH	10" (250)	5-3/4" (146)	3" (76)	15-1/4" (387)	3-3/4" (95)	13-1/16" (332)
RD-9412-NH	12" (305)	6" (152)	3-1/4" (83)	17-1/4" (438)	3-3/4" (95)	15-1/16" (383)

PUSH-ON CONNECTION

Model	Pipe Size	B	C	D	E	F	G	H
RD-943P	3" (80)	5-3/4" (146)	3" (80)	8-1/4" (210)	3-1/2" (89)	6" (152)	1-3/4" (44)	4-3/4" (121)
RD-944P	4" (100)	5-3/4" (146)	3" (80)	9-1/8" (232)	3-1/2" (89)	6-3/4" (171)	1-3/4" (44)	5-3/4" (146)
RD-946P	6" (152)	6" (152)	3-3/4" (95)	11-3/8" (289)	3-1/2" (89)	8-3/4" (171)	2" (51)	7-3/4" (197)
RD-948P	8" (200)	7" (178)	4" (102)	13-3/8" (340)	34" (102)	10-3/4" (273)	2-1/2" (63)	10" (254)

Job Name _____ Contractor _____

Job Location _____ Contractor's P.O. No. _____

Engineer _____ Representative _____

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Specification Drainage Products

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