

9	DWH-2, Eemax® #HA008240 (Page 113)	X				N/A
10	TMV-1, Watts #3/4" LFN170-M3 CSUT (Page 116)	X				N/A
11	HWRP-1, Taco #0034E-SF2 (Page 119)	X				N/A
12	RPZA-1, Watts 1-1/2" #LF009M2QT (Page 123)		X			Per plumbing schedule, ensure assembly comes complete with: <ul style="list-style-type: none"> • -QT -- Quarter-turn ball valves (standard) • -FS -- Flood detection sensor • -S – Strainer
13	Air Gap Fitting, Watts #909AGC (Page 125)	X				N/A
14	Wye-Pattern, Lead Free, Cast Strainer, 1-1/2", Watts #LF777SI (Page 129)	X				N/A
15	ET-1, Watts #PLT-5 (Page 131)	X				N/A
16	TMV-2, Guardian #G6020 (Page 134)	X				N/A
22 40 00-01 Plumbing Fixtures						
17	WC-1, ADA, Floor-Mount, Top Spud, Flushometer Bowl, Kohler #K-96057 Highcliff™ Ultra (Page 139)		X			No color specified. Ensure water closet is white vitreous china.
18	Manual Flush Valve, Sloan #111-1.28 (Page 141)	X				N/A
19	Commercial Heavy-Duty Seat, Centoco #500STSCCFE-001 (Page 109)	X				N/A
20	WC-2, Floor-Mount, Top Spud, Flushometer Bowl, Kohler #K-96053 Wellcomme™ Ultra (Page 145)		X			No color specified. Ensure water closet is white vitreous china.
21	Manual Flush Valve, Sloan #111-1.28 (Page 147)	X				N/A
22	Commercial Heavy-Duty Seat, Centoco #500STSCCFE-001 (Page 149)	X				N/A
23	UR-1, ADA, High-Efficiency Urinal, Kohler #K-4991-ET BARDON™ (Page 151)		X			Please mount at ADA height and ensure urinal is white vitreous china.
24	UR-2, High-Efficiency Urinal, Kohler #K-4991-ET BARDON™ (Page 151)		X			No color specified. Ensure urinal is white vitreous china.
25	Manual Flush Valve, Sloan #186-0.5 (Page 153)	X				N/A
26	Urinal Carrier, Jay R. Smith #0636 (Page 156)	X				N/A
27	LV-1, 20-1/4" Oval, Drop-in, Bathroom Sink, 4" Centers, Kohler #K-2196-4 Pennington (Page 158)		X			No color specified. Ensure lavatory is white vitreous china.
28	Bathroom Faucet, Chicago Faucets #420-T41E2805ABCP (Page 160)	X				N/A

29	Offset Lavatory Grid Strainer, McGuire Mfg. #155WC (Page 162)	X				N/A
30	P-Trap, McGuire Mfg. #8872C (Page 163)	X				N/A
31	Supply Stop Valve, McGuire Mfg. #LFBV2-2165 (Page 131)	X				N/A
32	ADA Trap Covers, Truebro Model #102 E-Z / Accessory #105 E-Z (Page 132)	X				N/A
33	WF-1, Bradley #WF2803 (Page 167)		X			Follow rough-in Type B. Specify vented trap #111-024 per rough-in diagram.
34	SK-1, 24" Undermount, Single-Bowl, Kohler #K-5286 Strive® (Page 174)	X				N/A
35	Kitchen Faucet, Delta #9191-PR-DST (Page 176)		X			Verify finish is Lumicoat® Arctic Stainless (▲ = AR for finish suffix)
36	Basket Strainer, Stainless Steel, McGuire Mfg. #151A (Page 177)	X				N/A
37	P-Trap, McGuire Mfg. #8912C (Page 178)	X				N/A
38	Supply Stop Valve, McGuire Mfg. #LFBV2-2165 (Page 179)	X				N/A
39	EEW-1, Guardian #G1814 (Page 181)	X				N/A
40	EWC-1, Elkay #EZSTL8WSSK (Page 184)	X				N/A
41	P-Trap, McGuire Mfg. #8872C (Page 187)	X				1-1/2" trap recommended per manufacturer's cutsheet
42	Supply Stop Valve, McGuire Mfg. #LFST12 (Page 188)	X				N/A
43	Water Cooler Carrier, Jay R. Smith #0834L / 0834R (Page 190)	X				N/A
44	JS-1, Florestone #MSR-2424 (Page 193)	X				N/A
45	Janitor Sink Faucet, Delta #28T9 (Page 194)	X				N/A
46	Mop Hanger, Delta #28T910 (Page 196)	X				N/A
47	Hose And Hanger, Delta #28T911 (Page 197)	X				N/A
48	Back Splash Panels, Stern Williams #-BP (Page 198)	X				N/A
49	SH-1, Oasis #SHFW-6235 / ADA / TL-RS (Page 200)		X			Verify rough-in for enclosure is equal to basis of design.
50	Shower Drain, Sioux Chief #827-2B (Page 202)	X				N/A

51	Shower Controls, Zurn #Z7101-SS-LH-DV2P-HW (Page 203)	X				N/A
52	SH-2, Oasis #SHFW-3837 / ADA10-RS (Page 205)		X			Verify rough-in for enclosure is equal to basis of design.
53	Shower Drain, Sioux Chief #827-2B (Page 207)	X				N/A
54	Shower Controls, Zurn #Z7101-SS-LH-DV2P-HW (Page 208)	X				N/A
55	HB-1, Woodford #26P-3/4 (Page 210)	X				N/A
56	FPWH-1, Woodford #67 (Page 212)	X				N/A
57	UC-1, Guy Gray #88531 (Page 214)	X				N/A
58	FS-1, Jay R. Smith #3410-C-L-12 (Page 216)	X				N/A
59	Trap Seal, Mifab #MI-GARD (Page 217)	X				N/A
60	FD-1, 6" Square Strainer, Jay R. Smith #2005L-B (Page 219)		X			Specify "Nickel Bronze Strainer -NB" per plumbing schedule.
61	Trap Seal, Mifab #MI-GARD (Page 221)	X				N/A
62	TD-1, 80 ft long (24.5 meter), Josam #100C (Page 223)	X				N/A
63	TD-1, Josam #100-DIS-E-DC (Page 224)	X				N/A
64	TD-2, 42 ft long (13 meter), Josam #100C (Page 226)	X				N/A
65	TD-2, Josam #100-DIS-E-DC (Page 227)	X				N/A

Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc.
P.O. Box 16620
Little Rock, AR 72231
Phone 501-834-3320
Fax 501-834-5416

Date: 2/4/2025

Return Request: 2/14/2025

Project: City Of Sherwood Public Works (Maintenance Building)

Supplier: Falk

Manufacturer: Various

Submittal: Plumbing Fixtures

Submittal Number: 22 40 00-01

Drawing # and Installation: Plumbing Drawings

ARCHITECT

Cromwell
1300 East 6th Street
Little Rock, AR 72202
501-372-2900

ENGINEER

Cromwell
1300 East 6th Street
Little Rock, AR 72202
501-372-2900

GENERAL CONTRACTOR

Baldwin & Shell
1000 W. Capitol Ave.
Little Rock, AR 72201
501-374-8677

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
9924 Landers Rd.
N. Little Rock, AR 72117
501-834-3320

Notes:

CSUSA PROJECT NO.

24-6084

sean@comfortar.com

9924 Landers Rd.
No. Little Rock, AR 72117

WC-1

Features

- Elongated bowl offers added room and comfort
- 1-1/2" (38 mm) top spud
- 2-1/8" (54 mm) fully glazed trapway
- 10" x 7" (254 mm x 178 mm) water surface
- 1.0 gpf (3.8 lpf), 1.1 gpf (4.2 lpf), 1.28 (4.8 lpf), or 1.6 gpf (6.0 lpf) depending on flushometer specified
- Also available with antimicrobial finish K-96057-SS
- 10" or 12" (254 or 305 mm) rough-in
- Supports static load of 2,500 lbs

Material

- Vitreous china

Technology

- Designed to outperform competitors in bowl cleanliness and plug resistance
- Maximum waste removal
- Engineered for toilet seat cover removal
- Excellent bowl rinse
- Engineered to flush effectively in buildings with low supply pressure and flow
- Maximum drain line carry at all flush volumes per ASME standard

Installation

- Replaces Highcrest K-4302, Highcliff K-4368 and Highline K-4405. Height and footprint may vary



ADA

CSA B651

OBC

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
CSA B651
OBC
IAPMO Certification

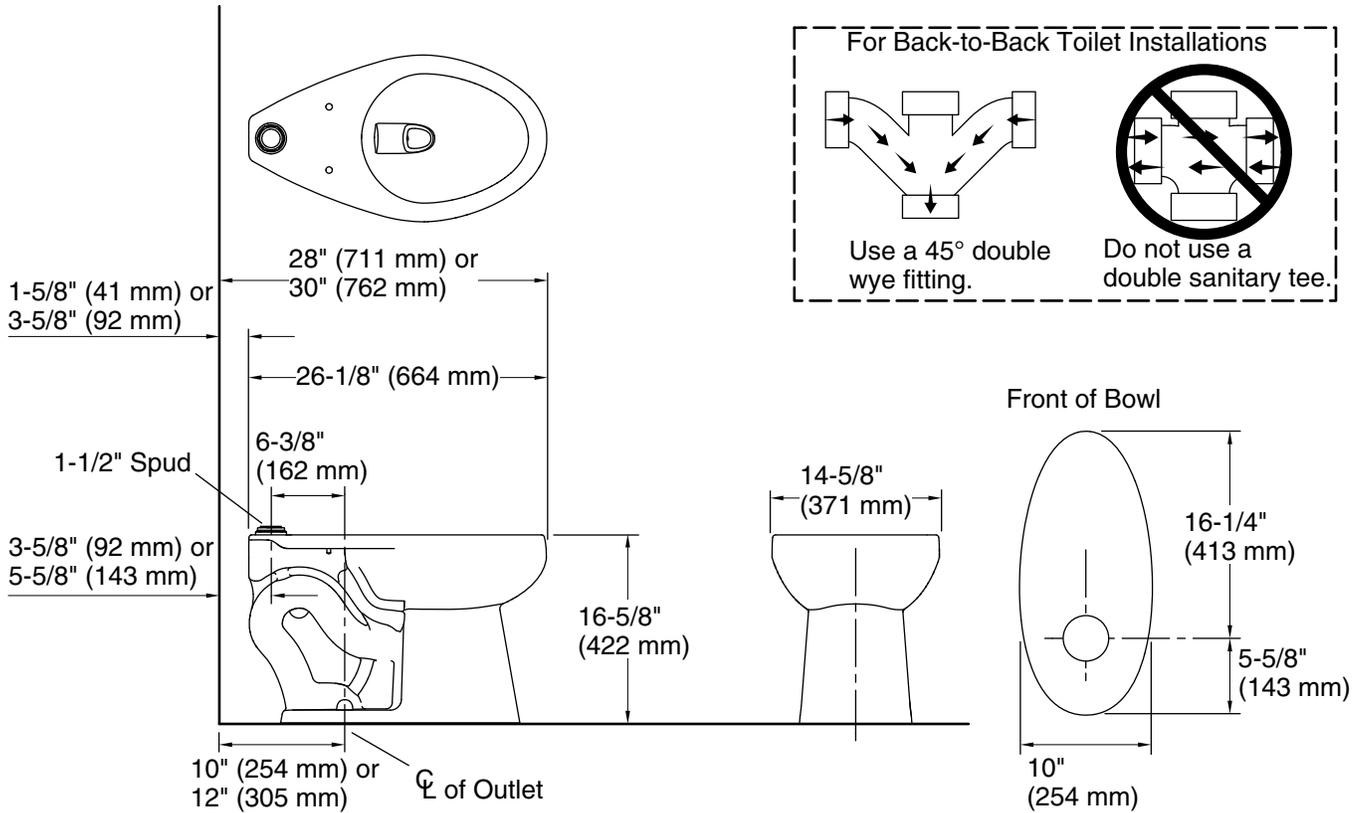
KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit
	7	Black Black™



Technical Information

All product dimensions are nominal.

Toilet type:	Floor-mount
Waste Outlet:	Floor
Bowl shape:	Elongated
Flush type:	Flushometer valve siphon
Spud size:	1 1/2, Inlet, Top
Trap passageway:	2-1/8" (54 mm)
Water surface size:	10" x 7" (254 mm x 178 mm)
Rim to water surface:	6" (152 mm)
Rough-in:	12" (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: 0.5 gpm (0.4 lpm)

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 USA or www.kohler.ca Canada

7-3-2024 20:24 - US

Notes

Install this product according to the installation instructions.

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

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

Plumbing codes may require elongated toilets and elongated, open-front seats in public bathrooms.

Accessibility standards may require controls to be located on the open side of the toilet.

CODE NUMBER

3780018

DESCRIPTION

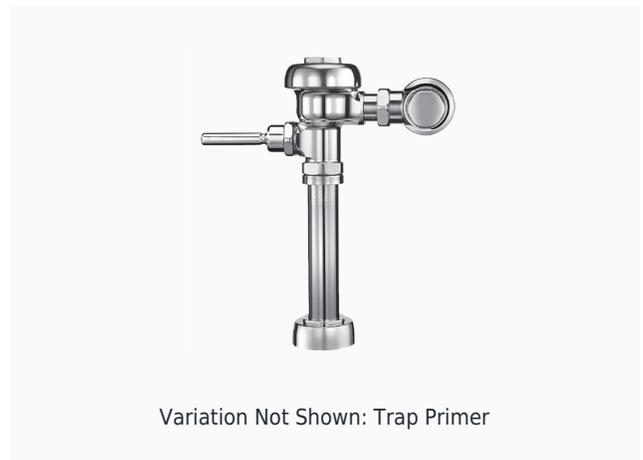
1.28 gpf, Dual-Filtered Fixed Bypass Diaphragm, Polished Chrome Finish, Fixture Connection Top Spud, Single Flush, Sloan® Exposed Manual Water Closet Flushometer.

DETAILS

- Flush Volume: 1.28 gpf (4.8 Lpf)
- Finish: Polished Chrome (CP)
- Valve: Diaphragm
- Bypass: Dual-Filtered Fixed Bypass Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Water Closet
- Fixture Connection: Top Spud
- Rough-In Dimension: 11 ½" (292mm)
- Spud Coupling: 1 ½" (38mm)
- Supply Pipe: 1" (25mm)

FEATURES

- High Chloramine Resistant PERMEX® Synthetic Rubber Diaphragm with Linear Filtered Bypass and Vortex Cleansing Action™
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop with Vandal Resistant Stop Cap
- Vacuum Breaker with Flush Connection
- Spud Coupling and Spud Flange for 1½" Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Wall Flange
- Non-Hold-Open Handle and No External Volume Adjustment to Ensure Water Conservation
- Diaphragm, Handle Packing and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine Resistance
- ADA Compliant Metal Oscillating Non-Hold-Open Handle



Variation Not Shown: Trap Primer

COMPLIANCES & CERTIFICATIONS



(ADA Compliant, BAA Compliant, BABAA Compliant, BREEAM Materials Credit, BREEAM Water Credit, cUPC Certified, cUPC Green Certified, EPD, Green Globes Materials & Resources Credit, Green Globes Water Credit, HPD, LEED Materials & Resources EPD Credit, LEED Materials & Resources HPD Credit, LEED V4 Water Efficiency Credit, Made in the USA, Satisfies LEED Credits, UPC Certified, WaterSense Listed)

RECOMMENDED SPECIFICATION

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi- Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.

VALVE OPERATING PRESSURE (FLOWING)

15-80 PSI (103-552 kPa). Specific fixtures may require greater minimum flowing pressure - consult manufacturer requirements.

DOWNLOADS

- [Sloan Exposed Installation Instructions](#)
- [Sloan Exposed \(Spanish\) Installation Instructions](#)
- [Control Stop Repair and Maintenance Guide](#)
- [Flush Connections Flanges Repair and Maintenance Guide](#)
- [Tail Piece Repair and Maintenance Guide](#)
- [Sloan Flushometer Repair and Maintenance Guide](#)
- [Sloan/Regal ESS Repair and Maintenance Guide](#)
- [Bumper Pipe and Tube Supports Repair & Maintenance Guide](#)
- [Flushometer Pressure gauges](#)

Sloan 10500 Seymour Ave, Franklin Park, IL 60131

Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com

- [Additional Downloads](#)

NOTES

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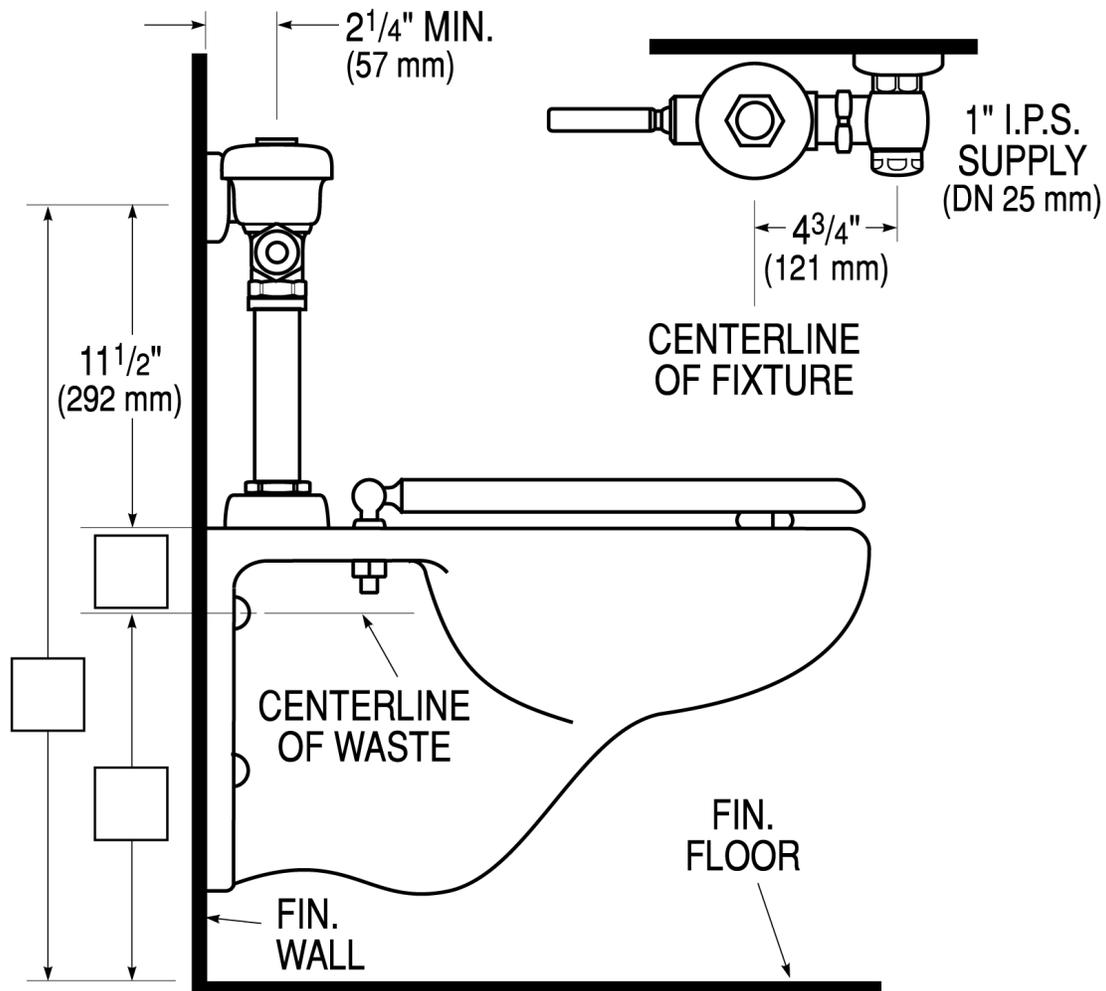
Looking for other variations of the SLOAN 111 product? [View the general spec sheet with all options.](#)

WaterSense compliant when used with a WaterSense compliant fixture

WARRANTY

[View Warranty Information](#)

ROUGH-IN



Sloan 10500 Seymour Ave, Franklin Park, IL 60131

Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com

COMMERCIAL HEAVY DUTY



Product Specifications

Shape	Elongated
Seat Material	Polypropylene
Seat Form	Open front
Commercial Hinge	Yes
Bolt Material	Stainless steel
Hardware Material	FAST-N-LOCK
Check Hinge	Yes
Cover	No
Custom Gasket	No
Color	White

Warranty 1 year limited warranty

Available Colors White,

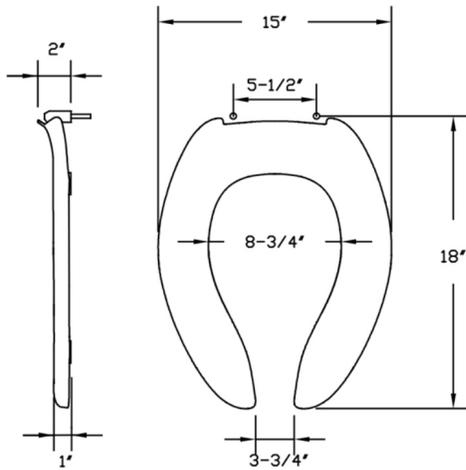
Features

FAST-N-LOCK

Centoco's new patented FAST-N-LOCK Mounting System takes the guessing out when tightening the hardware. The specially designed fasteners "click" when the appropriate torque is reached. This feature largely reduces the chance of getting call backs from customers for seats that have become loose over time.

Commercial Hinge

Includes commercial grade hinges. One piece solid metal hinge pin and bolt over molded with plastic.



Dimensions shown are nominal and may vary within a range of tolerance. Product specifications are subject to change without notice.

WC-2

Features

- Elongated, Standard height bowl
- 1-1/2" (38 mm) top spud
- 10" x 7" (254 mm x 178 mm) water surface
- 2-1/8" (54 mm) fully glazed trapway
- 10" or 12" (254 or 305 mm) rough-in
- 1.0 gpf (3.8 lpf), 1.1 gpf (4.2 lpf), 1.28 (4.8 lpf), or 1.6 gpf (6.0 lpf) depending on flushometer specified
- Also available with antimicrobial finish K-96053-SS

Material

- Vitreous china

Technology

- Designed to outperform competitors in bowl cleanliness and plug resistance
- Maximum waste removal
- Engineered for toilet seat cover removal
- Excellent bowl rinse
- Engineered to flush effectively in buildings with low supply pressure and flow
- Maximum drain line carry at all flush volumes per ASME standard

Installation

- Replaces Wellcomme K-4350 and Wellworth K-4406. Height and footprint may vary



Codes/Standards

ASME A112.19.2/CSA B45.1
DOE - Energy Policy Act 1992
EPA WaterSense®
California Energy Commission (CEC)
IAPMO Certification

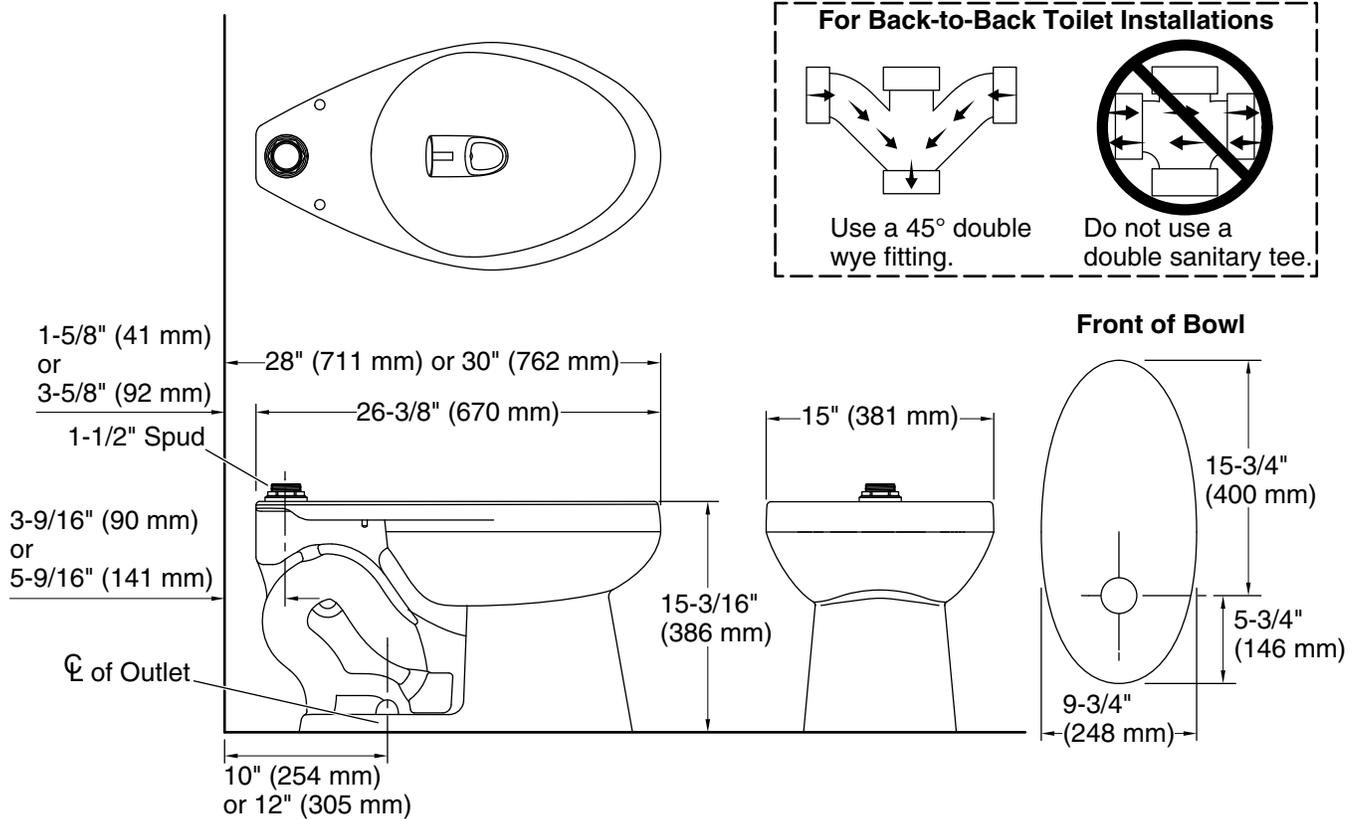
KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit
	7	Black Black™



Technical Information

All product dimensions are nominal.

Toilet type:	Floor-mount
Waste Outlet:	Floor
Bowl shape:	Elongated
Flush type:	Flushometer valve siphon
Spud size:	1 1/2, Inlet, Top
Trap passageway:	2-1/8" (54 mm)
Water surface size:	10" x 7" (254 mm x 178 mm)
Rim to water surface:	6" (152 mm)
Rough-in:	12" (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: 0.5 gpm (0.4 lpm)

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 USA or www.kohler.ca Canada

7-3-2024 20:52 - US

Notes

Install this product according to the installation instructions.

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

If Fixture Supply Pressure is below 35 psi static, then fixture must be paired with a valve rated at 1.28 gpf or greater.

CODE NUMBER

3780018

DESCRIPTION

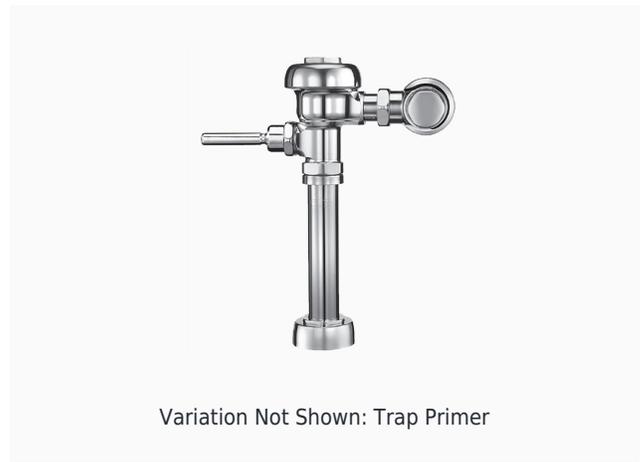
1.28 gpf, Dual-Filtered Fixed Bypass Diaphragm, Polished Chrome Finish, Fixture Connection Top Spud, Single Flush, Sloan® Exposed Manual Water Closet Flushometer.

DETAILS

- Flush Volume: 1.28 gpf (4.8 Lpf)
- Finish: Polished Chrome (CP)
- Valve: Diaphragm
- Bypass: Dual-Filtered Fixed Bypass Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Water Closet
- Fixture Connection: Top Spud
- Rough-In Dimension: 11 ½" (292mm)
- Spud Coupling: 1 ½" (38mm)
- Supply Pipe: 1" (25mm)

FEATURES

- High Chloramine Resistant PERMEX® Synthetic Rubber Diaphragm with Linear Filtered Bypass and Vortex Cleansing Action™
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop with Vandal Resistant Stop Cap
- Vacuum Breaker with Flush Connection
- Spud Coupling and Spud Flange for 1½" Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Wall Flange
- Non-Hold-Open Handle and No External Volume Adjustment to Ensure Water Conservation
- Diaphragm, Handle Packing and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine Resistance
- ADA Compliant Metal Oscillating Non-Hold-Open Handle



Variation Not Shown: Trap Primer

COMPLIANCES & CERTIFICATIONS



(ADA Compliant, BAA Compliant, BABAA Compliant, BREEAM Materials Credit, BREEAM Water Credit, cUPC Certified, cUPC Green Certified, EPD, Green Globes Materials & Resources Credit, Green Globes Water Credit, HPD, LEED Materials & Resources EPD Credit, LEED Materials & Resources HPD Credit, LEED V4 Water Efficiency Credit, Made in the USA, Satisfies LEED Credits, UPC Certified, WaterSense Listed)

RECOMMENDED SPECIFICATION

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi- Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.

VALVE OPERATING PRESSURE (FLOWING)

15-80 PSI (103-552 kPa). Specific fixtures may require greater minimum flowing pressure - consult manufacturer requirements.

DOWNLOADS

- [Sloan Exposed Installation Instructions](#)
- [Sloan Exposed \(Spanish\) Installation Instructions](#)
- [Control Stop Repair and Maintenance Guide](#)
- [Flush Connections Flanges Repair and Maintenance Guide](#)
- [Tail Piece Repair and Maintenance Guide](#)
- [Sloan Flushometer Repair and Maintenance Guide](#)
- [Sloan/Regal ESS Repair and Maintenance Guide](#)
- [Bumper Pipe and Tube Supports Repair & Maintenance Guide](#)
- [Flushometer Pressure gauges](#)

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Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com

- [Additional Downloads](#)

NOTES

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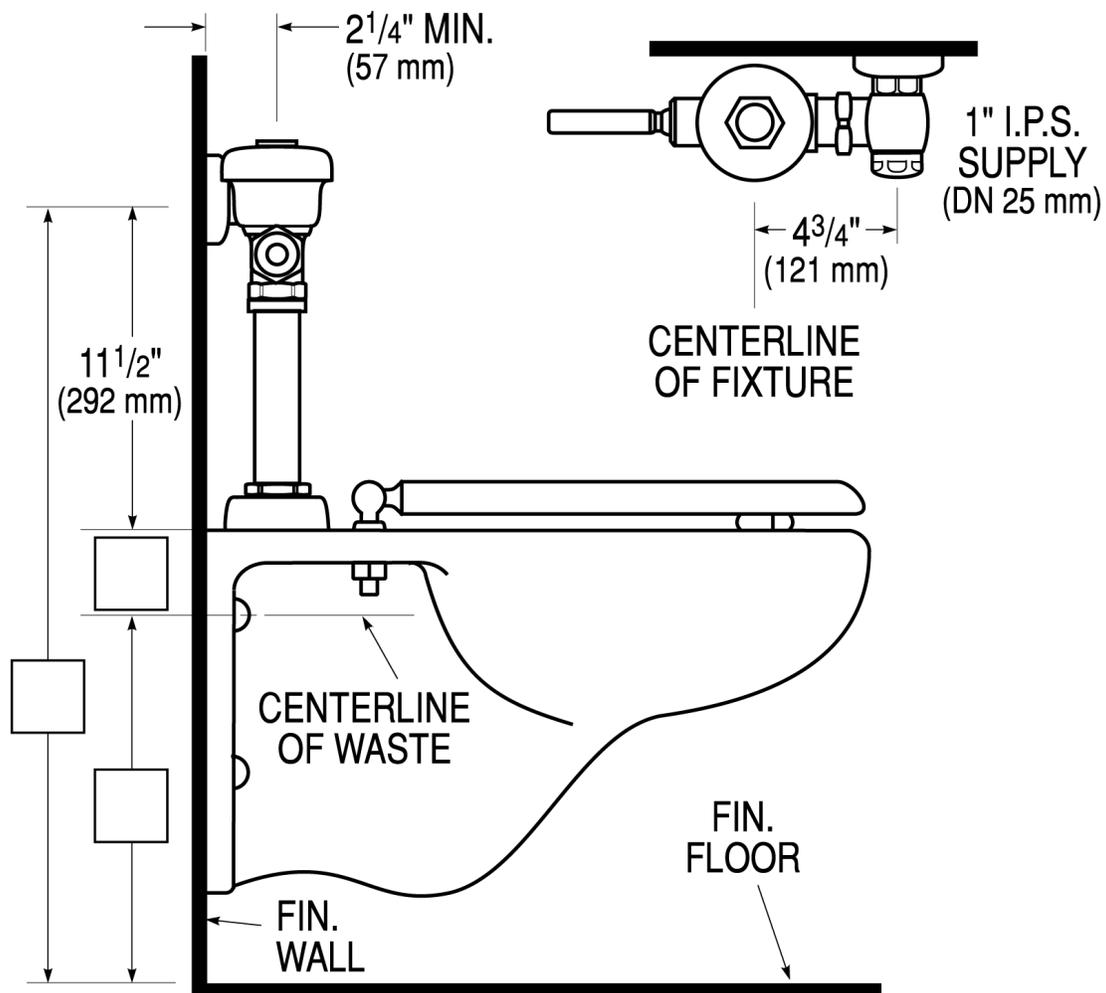
Looking for other variations of the SLOAN 111 product? [View the general spec sheet with all options.](#)

WaterSense compliant when used with a WaterSense compliant fixture

WARRANTY

[View Warranty Information](#)

ROUGH-IN



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Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com

COMMERCIAL HEAVY DUTY



Product Specifications

Shape	Elongated
Seat Material	Polypropylene
Seat Form	Open front
Commercial Hinge	Yes
Bolt Material	Stainless steel
Hardware Material	FAST-N-LOCK
Check Hinge	Yes
Cover	No
Custom Gasket	No
Color	White

Warranty 1 year limited warranty

Available Colors White,

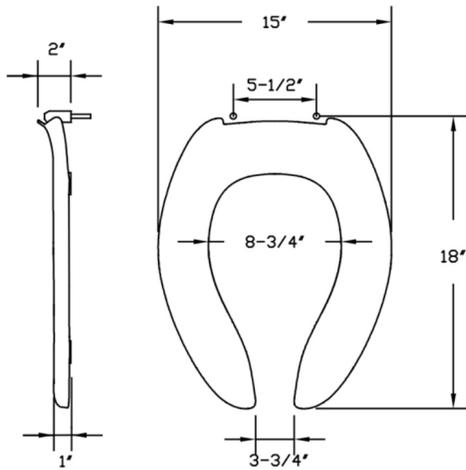
Features

FAST-N-LOCK

Centoco's new patented FAST-N-LOCK Mounting System takes the guessing out when tightening the hardware. The specially designed fasteners "click" when the appropriate torque is reached. This feature largely reduces the chance of getting call backs from customers for seats that have become loose over time.

Commercial Hinge

Includes commercial grade hinges. One piece solid metal hinge pin and bolt over molded with plastic.



Dimensions shown are nominal and may vary within a range of tolerance. Product specifications are subject to change without notice.

UR-1, UR-2

Features

- Washout urinal
- 3/4" (19 mm) top spud
- 0.125 - 1.0 gpf (0.47 - 3.8 lpf)
- Will replace K-4904-ET

Material

- Vitreous china

Installation

- 14" (356 mm) extended rim



ADA

CSA B651

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
CSA B651
IAPMO Certification

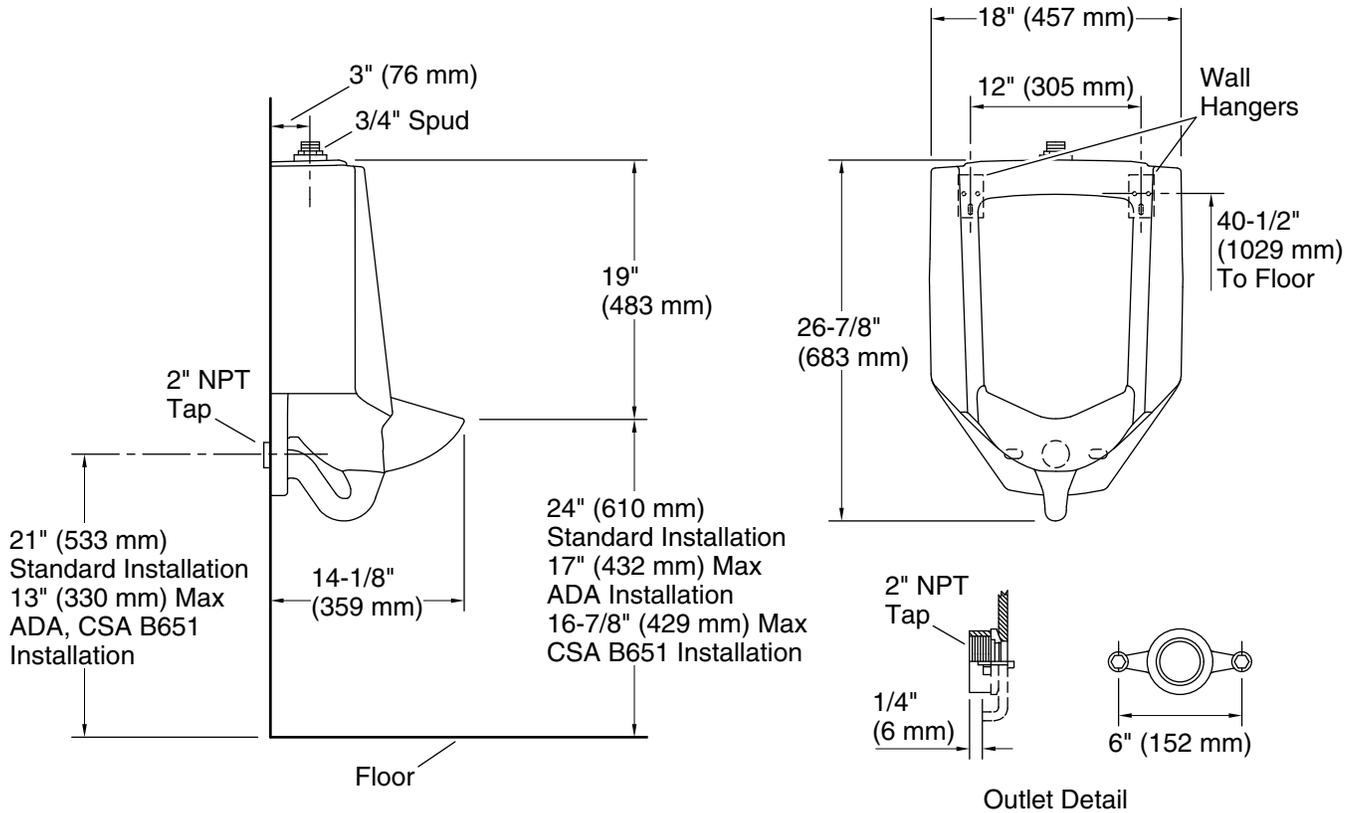
KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit
	7	Black Black™



Technical Information

All product dimensions are nominal.

Spud size: 3/4", Inlet, Top

Min. Water per Flush: 0.125 gpf (0.5 lpf)

Max. Water per Flush: 1 gpf (3.8 lpf)

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.

Recommended ADA outlet spud height will account for normal product variation.

For ADA compliance, measurement must be 17" (432 mm) or less from the floor to the top of the lip. For CSA B651 compliance, measurement must be 16-7/8" (429 mm) or less from the floor to the top of the lip.

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

CODE NUMBER

3782645

DESCRIPTION

0.5 gpf, Dual-Filtered Fixed Bypass Diaphragm, Polished Chrome Finish, Fixture Connection Top Spud, Single Flush, Sloan® Exposed Manual Urinal Flushometer.

DETAILS

- Flush Volume: 0.5 gpf (1.9 Lpf)
- Finish: Polished Chrome (CP)
- Valve: Diaphragm
- Bypass: Dual-Filtered Fixed Bypass Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Urinal
- Fixture Connection: Top Spud
- Rough-In Dimension: 11 ½" (292mm)
- Spud Coupling: ¾" (19mm)
- Supply Pipe: ¾" (19mm)

FEATURES

Quiet, Exposed, Diaphragm Type, Chrome Plated High Efficiency Urinal

- ¾" I.P.S. Screwdriver Bak-Chek® Angle Stop with Vandal Resistant Stop Cap
- Vacuum Breaker with Flush Connection
- Spud Coupling and Spud Flange for ¾" Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Wall Flange
- Non-Hold-Open Handle and No External Volume Adjustment to Ensure Water Conservation
- High Efficiency flush accuracy
- Diaphragm, Handle Packing and Vacuum Breaker Molded from PERMEX® Rubber Compound for Chloramine Resistance
- ADA Compliant Metal Oscillating Non-Hold-Open Handle
- Dual Filtered Fixed Bypass Diaphragm



COMPLIANCES & CERTIFICATIONS



(ADA Compliant, BAA Compliant, BABAA Compliant, BREEAM Materials Credit, BREEAM Water Credit, cUPC Certified, EPD, Green Globes Materials & Resources Credit, Green Globes Water Credit, HPD, LEED Materials & Resources EPD Credit, LEED Materials & Resources HPD Credit, LEED V4 Water Efficiency Credit, Made in the USA, Satisfies LEED Credits, UPC Certified, WaterSense Listed)

RECOMMENDED SPECIFICATION

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi- Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.

VALVE OPERATING PRESSURE (FLOWING)

15–80 PSI (103–552 kPa). Specific fixtures may require greater minimum flowing pressure - consult manufacturer requirements.

DOWNLOADS

- [Sloan Exposed Installation Instructions](#)
- [Sloan Exposed \(Spanish\) Installation Instructions](#)
- [Control Stop Repair and Maintenance Guide](#)
- [Flush Connections Flanges Repair and Maintenance Guide](#)
- [Tail Piece Repair and Maintenance Guide](#)
- [Sloan Flushometer Repair and Maintenance Guide](#)
- [Bumper Pipe and Tube Supports Repair & Maintenance Guide](#)
- [Flushometer Pressure gauges](#)
- [Additional Downloads](#)

Sloan 10500 Seymour Ave, Franklin Park, IL 60131

Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com

NOTES

All information contained within this document subject to change without notice.

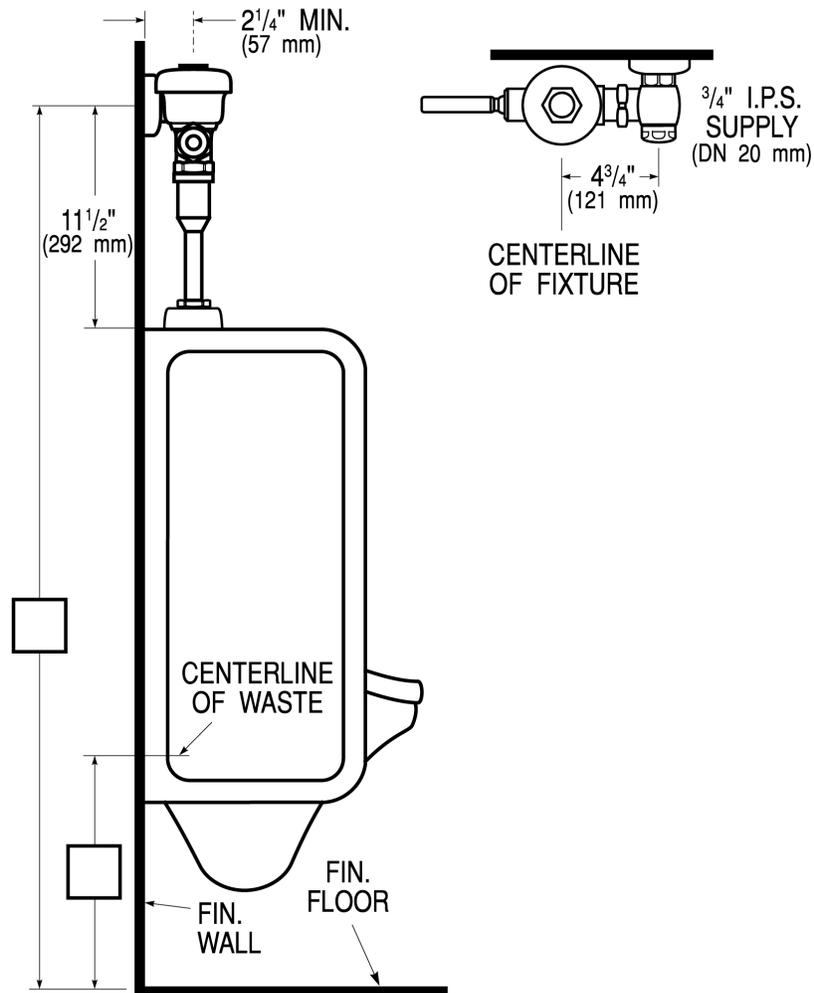
Looking for other variations of the SLOAN 186 product? [View the general spec sheet with all options.](#)

WaterSense compliant when used with a WaterSense compliant fixture

WARRANTY

[View Warranty Information](#)

ROUGH-IN



Sloan 10500 Seymour Ave, Franklin Park, IL 60131
Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com

CARRIER

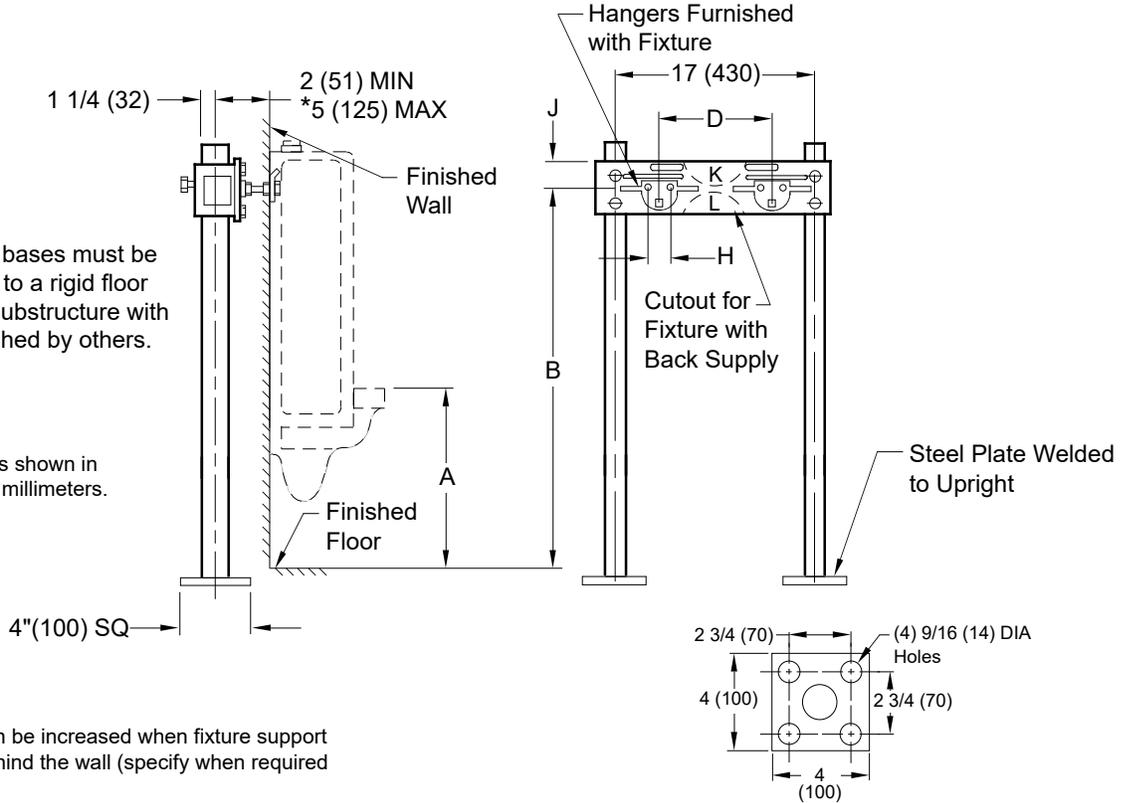
URINAL SUPPORTS FOR OFF-THE-FLOOR URINALS

WITH HANGER PLATE FOR BLOWOUT AND WASHOUT URINALS WITH WALL HANGERS

NOTE: All support bases must be securely anchored to a rigid floor and/or other rigid substructure with (4) 1/2" bolts furnished by others.

NOTE: Dimensions shown in parentheses are in millimeters.

*This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).



ROUGH-IN TABLE

FIXTURE MFG.	NAME	NUMBER	A	B	D	H	J	K	L
Am. Std.	Washbrook	6501.010	24 (610)	39 (990)	13 1/2 (345)	1 3/16 (30)	2 (51)	X	-
Am. Std.	Washbrook	6506.011	24 (610)	39 (990)	13 1/2 (345)	1 3/16 (30)	2 (51)	X	-
Am. Std.	Lynbrook	6538.010	24 (610)	40 (1015)	13 1/2 (345)	1 3/16 (30)	1 (25)	X	-
Am. Std.	Lynbrook	6531.019	24 (610)	40 (1015)	13 1/2 (345)	1 3/16 (30)	1 (25)	X	-
Am. Std.	Trimbrook	6560.015	24 (610)	37 5/8 (955)	11 (280)	1 3/16 (30)	1 (25)	X	-
Am. Std.	Trimbrook	6560.023	24 (610)	37 5/8 (955)	11 (280)	1 3/16 (30)	1 (25)	X	-
Am. Std.	Trimbrook	6565.014	24 (610)	37 5/8 (955)	11 (280)	1 3/16 (30)	1 (25)	X	-
Am. Std.	Trimbrook	6565.022	24 (610)	37 5/8 (955)	11 (280)	1 3/16 (30)	1 (25)	X	-
Eljer	Correcto	161-1030,45	24 (610)	39 3/8 (1000)	12 (305)	1 (25)	1 (25)	X	-
Eljer	Correcto	161-1060, 75	24 (610)	39 3/8 (1000)	12 (305)	1 (25)	1 (25)	X	-
Eljer	Terminal	161-1100, 3	25 1/2 (650)	33 7/8 (860)	9 1/2 (240)	1 (25)	1 (25)	X	-
Eljer	Dover	161-1160, 75	24 (610)	32 3/8 (822)	6 (150)	1 (25)	1 (25)	X	-
Kohler	Stanwell	K-4970-T,R	24 (610)	40 (1015)	12 (305)	1 (25)	1 (25)	X	-
Kohler	Stanwell	K-4972-T,R	24 (610)	40 (1015)	12 (305)	1 (25)	1 (25)	X	-
Kohler	Bardon	K-4980-T,R	24 (610)	40 1/2 (1030)	12 (305)	1 (25)	1 (25)	X	-
Kohler	Freshman	K-4985-T,R	24 (610)	35 7/16 (900)	10 (255)	1 (25)	2 (51)	-	-
Kohler	Derry	K-5007-T,R	24 (610)	29 1/2 (750)	6 (150)	1 (25)	3 1/2 (89)	-	X
Kohler	Dexter	K-5014-T,R	24 (610)	32 1/8 (816)	6 1/2 (165)	1 (25)	1 (25)	X	-
Sloan	Universal	SU-1009	24 (610)	36 5/8 (904)	12 (305)	-	2 (51)	X	-

BASE DETAIL

Conforms to ASME A112.6.1M.

For Lavatory Use See Opposite Side

M
 DRAWING NUMBER S0636
 SIZE A
 SCALE: NONE
 DATE: 11-7-84
 APPROVED BY: JD
 CHECKED BY: JD
 DRAWN BY: VGD
 0636
 FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

M	4-16-24	Added ASME Note Revised Table Rev. Dim., Base Plate Added Note	HS	JT	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER 0636
L	4-16-14		TBW	TWK			
K	2-23-12		TBW	TWK			
J	04/22/09		JJ	AM			
REV.	DATE	DESCRIPTION	BY	CKD. BY			

LV-1



Pennington®
20-1/4" oval drop-in bathroom sink
K-2196-4

Features

- 4" (102 mm) centerset faucet holes
- Oval basin
- Overflow drain

Material

- Vitreous china

Installation

- Drop-in

Recommended Products/Accessories

- K-8998 P-Trap
- K-23726 Drain treatment
- K-23725 Cast iron cleaner



ADA **CSA B651** **OBC**

Codes/Standards

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

KOHLER® Vitreous China Bathroom Sink Lifetime Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit
	7	Black Black™

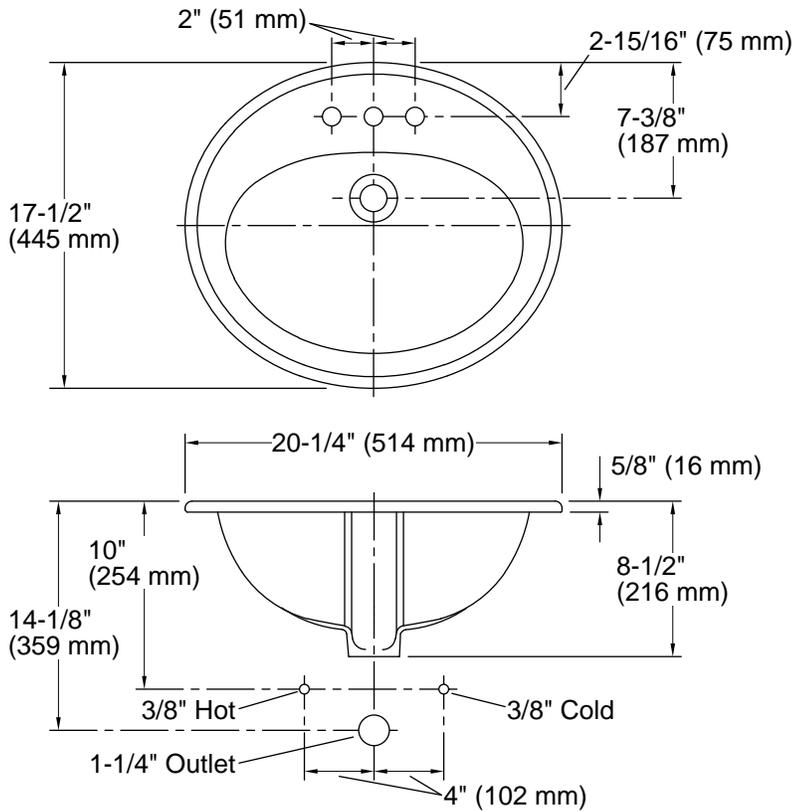
1-800-4KOHLER (1-800-456-4537)

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

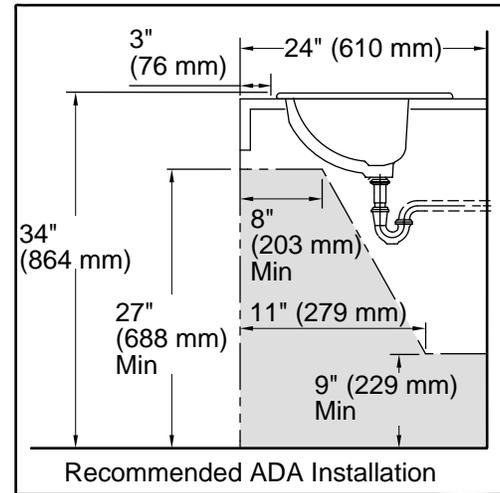
For the most current Specification Sheet, go to www.kohler.com USA or www.kohler.ca Canada

12-9-2024 21:42 - US/CA

THE BOLD LOOK
OF **KOHLER®**



Standard Installation



Technical Information

All product dimensions are nominal.

Basin configuration:	Single Bowl
Center(s):	4" (102 mm)
Bowl area (Only):	Length: 16" (406 mm) Width: 11" (279 mm) Water depth: 4" (102 mm)
With overflow:	Yes
Number of deck holes:	3
Faucet hole(s):	1-1/4" (32 mm)
Drain hole:	1-3/4" (44 mm)
Template:	1002970-7, required, included

Notes

Install this product according to the installation instructions.

NOTICE: Countertop manufacturer or cutter must use the cut-out template provided with the product, or a current one provided by Kohler Co. (call 1-800-4-KOHLER). Kohler Co. is not responsible for cutout errors when the incorrect cut-out template is used.

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

Manual Sink Faucets 420-T41E2805ABCP

Product Type

Deck-mounted manual faucet with built-in ASSE 1070 certified scald protection

Features & Specifications

- 4" fixed centers
- Vandal Proof Pressure compensating Econo-Flo™ non-aerating laminar spray, 0.5 GPM
- Vandal Proof 4-1/4" Lever handle
- Ceramic cartridge with built-in check valve and thermostatic element
- ECAST® design provides durable cast brass construction with total lead content equal to or less than 0.25% by weighted average
- Complies with the requirements of the Buy American Act of 1933.
- CFNow! Item Ships in 3 Days

Performance Specification

- Rated Operating Pressure: 20-125 PSI
- Rated Operating Temperature: Cold Water Inlet Temperature Range: 39°F - 80°F (4°C - 27°C); Hot Water Inlet Temperature Range: 120°F - 180°F (49°C - 82°C); Maximum output temperature: 105°F (41°C) ±1°; Minimum approved flow rate for temp limiting: 0.35 GPM; Maximum approved flow rate for temp limiting: 2.2 GPM; During Cold Water Supply Failure: Prior to the reduction in the flow to 20% of the manufacturer's minimum rated flow, or 0.8 L/min (0.2 gpm), whichever is greater, the outlet temperature will not exceed 120°F (49°C)

Warranty

- 1-Year Limited Cartridge Warranty
- 5-Year Limited Faucet Warranty
- 1-Year Limited Finish Warranty

Codes & Standards

- ASME A112.18.1/CSA B125.1
- ADA ANSI/ICC A117.1
- Certified per ASSE 1070 / ASME A112.1070 / CSA B125.70
- NSF/ANSI/CAN 372 Low Lead Content
- NSF/ANSI/CAN 61: Q ≤ 1

Job Name _____

Item Number _____

Section/Tag _____

Model Specified _____

Architect _____

Engineer _____

Contractor _____

Submitted as Shown

Submitted with Variations

Date _____

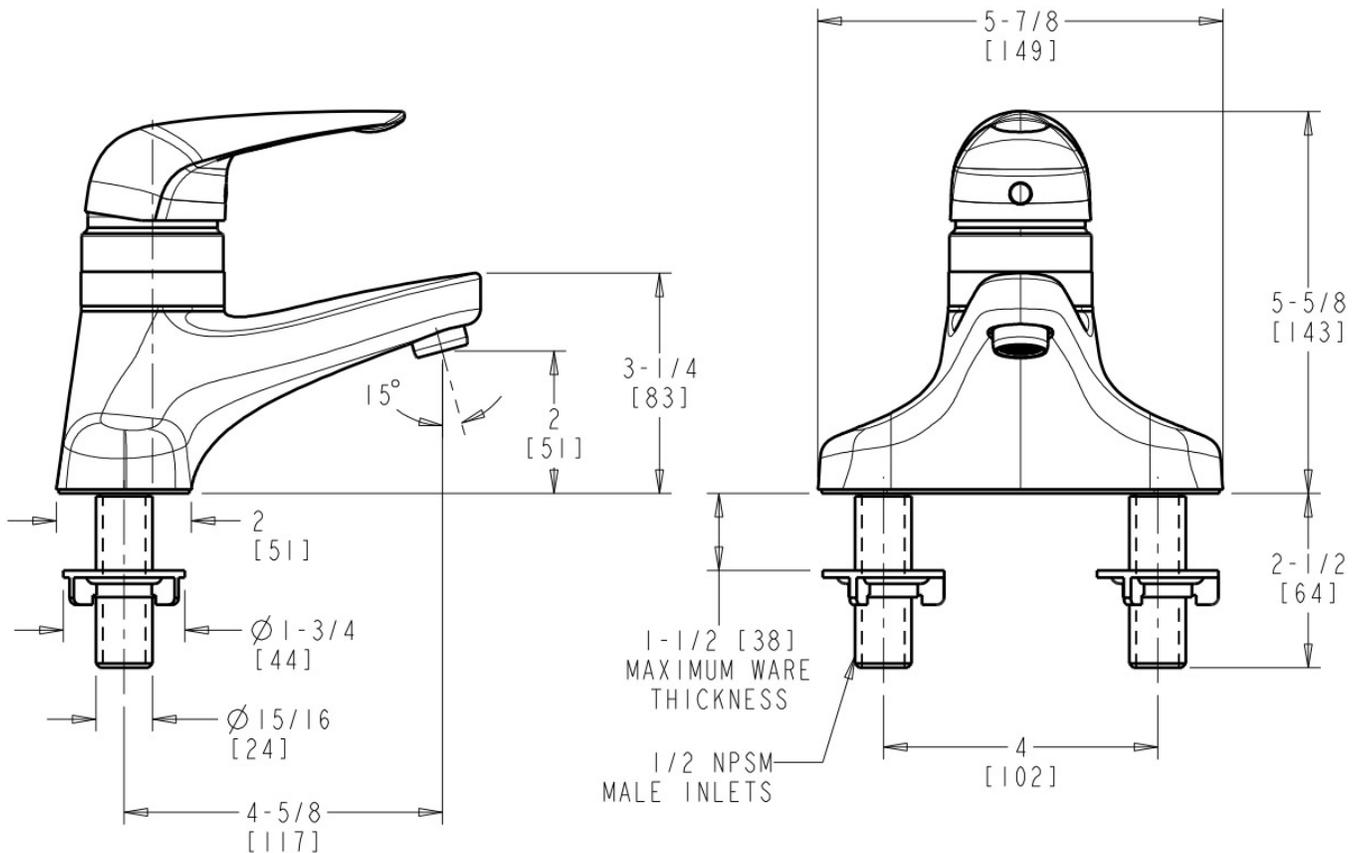


ECAST

ECAST products are intended for installation where state laws and local codes mandate lead content levels or in any location where lead content is a concern.

Architect/Engineer Specification

Chicago Faucets No. 420-T41E2805ABCP, Sink Faucet for hot and cold water, single lever, deck-mounted with 4" fixed centers, chrome plated. Rigid, cast brass spout, 4-5/8" center-to-center. 0.5 GPM (1.9 L/min) vandal-proof, pressure compensating, non-aerating, laminar spray outlet. Ceramic mixing cartridge, includes thermostatic scald protection. Cartridge includes Integral inlet check valves to protect against cross-flow, 1/2" NPSM supply inlets for 3/8" or 1/2" flexible riser. ECAST® construction with less than 0.25% lead content by weighted average. This product meets ADA ANSI/ICC A117.1 requirements and is tested and certified to industry standards: ASME A112.18.1/CSA B125.1, ASSE 1070/ASME A112.1070/CSA B125.70, Certified to NSF/ANSI 61, Section 9, California Health and Safety Code 116875 (AB1953-2006), Vermont Bill S.152, and NSF/ANSI 372 Low Lead Content.



Operation and Maintenance

Installation should be in accordance with local plumbing codes. Flush all pipes thoroughly before installation. After installation, remove spout outlet or flow control and flush faucet thoroughly to clear any debris. Care should be taken when cleaning the product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap and warm water for cleaning and protecting the life of Chicago Faucet products. For specific operation and maintenance refer to the installation instructions and repair parts documents that are located at www.chicagofaucets.com.

Chicago Faucets, member of the Geberit Group, is the leading brand of commercial faucets and fittings in the United States, offering a complete range of products for schools, laboratories, hospitals, office buildings, food service, airports and sport facilities. Call 1.800.TECTRUE or 1.847.803.5000 Option 1 for installation or other technical assistance.





McGUIRE MFG. CO., INC.

60 Grandview Court
P.O. Box 746 ♣ Cheshire, CT 06410
203-699-1801 ♣ Fax 203-699-1813

Product Specification

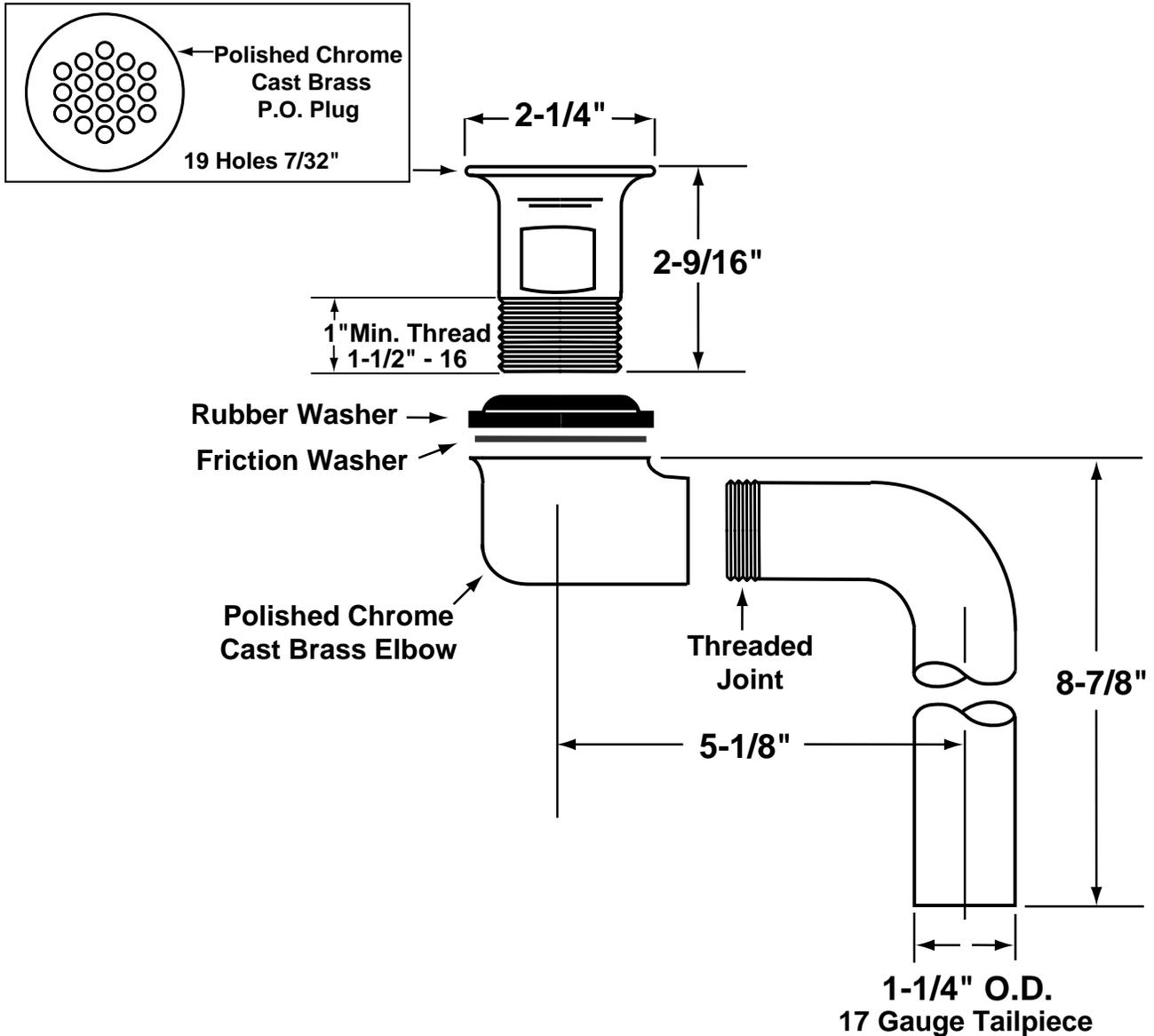
Part No.

155WC

Offset Lavatory
Grid Strainer

Job Name:

Submittal Number:



A.D.A.



Certified

See accessories section for details on product variations.

Specifications:

Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow, 17 gauge 1-1/4 inch seamless brass offset tailpiece, heavy rubber basin washer and fiber friction washer. Offset lavatory strainer shall be in compliance with CSA or other recognized testing authority and bear both manufacturer and testing mark.



McGuire Manufacturing Co., Inc.

60 Grandview Court
 Cheshire, Connecticut 06410
 (203) 699-1801 Fax (203) 699-1813
 customerservice@mcguiremfg.com mcguiremfg.com

PRODUCT SPECIFICATION

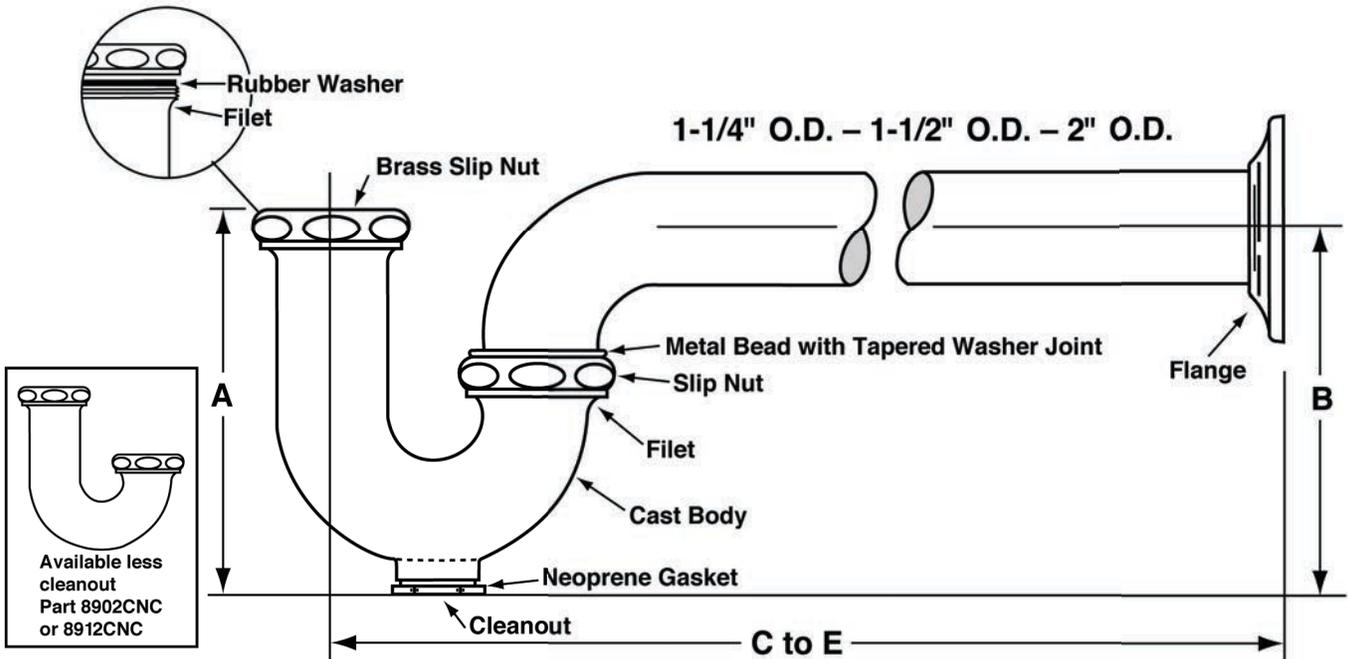
Part No.

8872C, 8902C, 8902CNC, 8912C,
 8912CNC, 8903C, 8904C

Cast Body P-Trap With or Without Cleanout

Job Name:

Submittal Number:



PROFESSIONAL LINE

ROUGHING MEASUREMENTS

NO.	TRAP DIMENSIONS		A	B	C to E
	INLET	OUTLET			
8872C	1-1/4"	1-1/4"	4-1/2"	4-1/4"	11-1/2"
8902C	1-1/4"	1-1/2"	5"	5-1/2"	11-1/2"
8902CNC	1-1/4"	1-1/2"	4-5/8"	4-3/4"	11-1/2"
8912C	1-1/2"	1-1/2"	5"	5-1/2"	11-1/2"
8912CNC	1-1/2"	1-1/2"	4-5/8"	4-1/8"	11-1/2"
8903C	1-1/2"	2"	5"	6"	13-3/4"
8904C	2"	2"	5"	6"	13-3/4"

FED SPEC W.W.P. 541
CAST BRASS P TRAP
MINIMUM SEAL 2"

See options and accessories section for details on product variations.

ASME A112.18.2/CSA B125-2



Specifications:

P-Trap shall be chrome plated cast brass body (with, without) cleanout, with 17 gauge seamless tubular wall bend, cast brass slip nuts. Reducing washers shall be used with reducing cast brass nut. With (shallow, deep, bell) (steel, brass) or (forged brass with set screw) flange.

P-Trap shall be McGuire "Classic" Professional Line

Trap shall be certified by CSA or other recognized testing authority. Trap shall bear manufacturer and testing marks.



WARNING:

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



McGuire Manufacturing Co., Inc.

60 Grandview Court
 Cheshire, Connecticut 06410
 (203) 699-1801 Fax (203) 699-1813
 customerservice@mcguiremfg.com mcguiremfg.com

PRODUCT SPECIFICATION

Part No.

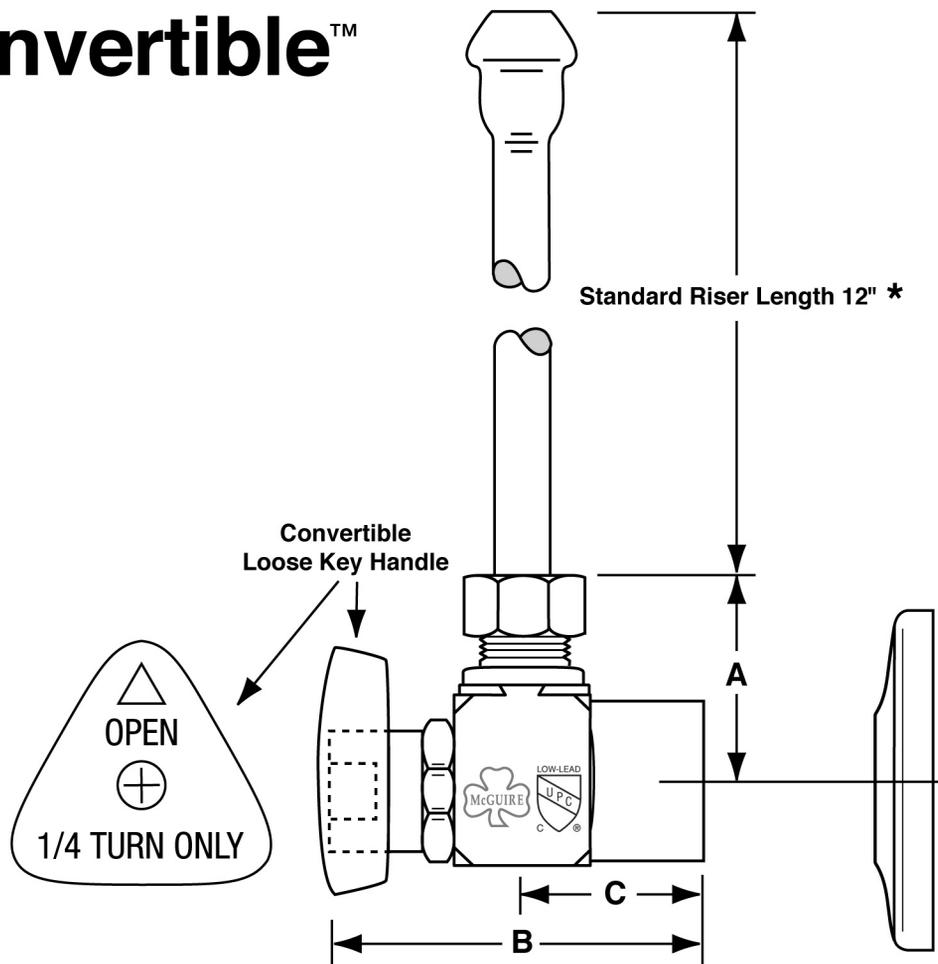
LFBV2-2165

**Quarter-Turn Brass
 Ball Valve Lavatory Supply**

Job Name:

Submittal Number:

Convertible™



NO.	DESCRIPTION	ROUGHING MEASUREMENTS		
		A	B	C
LFBV2-2165	1/2" I.P.S. x 3/8" O.D.	1-3/16"	2-3/16"	1"

* See options and accessories section for details on product variations.



Specifications:

Supply kits shall include lead free chrome plated, commercial pattern Quarter-Turn Brass Ball Valve with convertible loose key handle, (chrome plated copper or braided stainless risers) and (shallow, deep, bell) (steel or brass) or (forged brass with set screw) flange. Inlet shall be (1/2) inch (IPS, sweat, compression). Outlet shall be (3/8) inch (compression). Supply kit shall be McGuire _____ . Supply kit shall be certified by recognized authority and bear manufacturer and testing mark.



WARNING:
 This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



Submittal Sheet

General Description:

LAV GUARD 2™ E-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

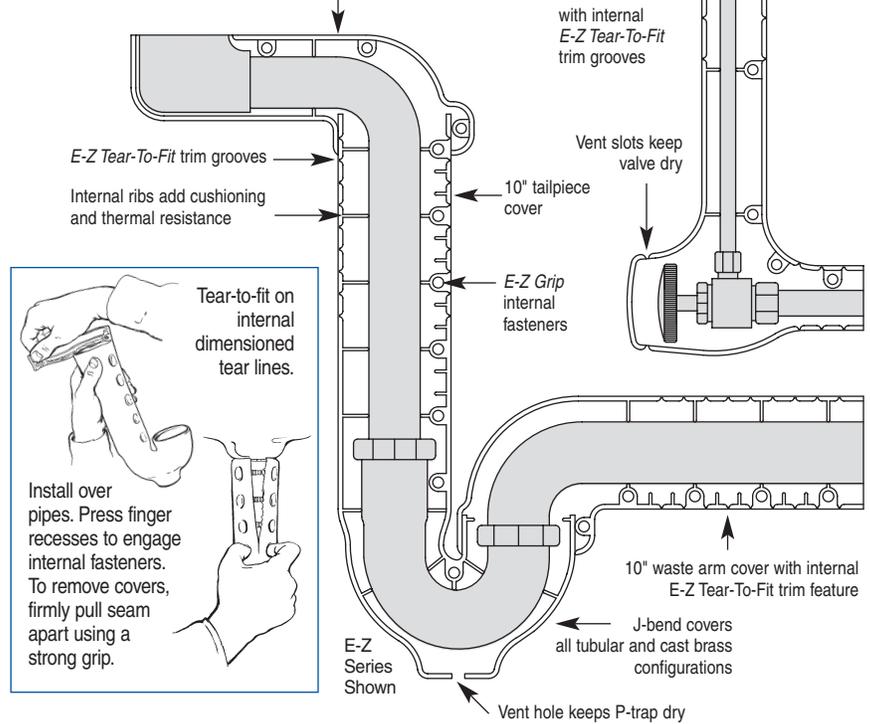


TRUEBRO, Inc., 7 Main Street, Ellington, CT 06029
(860) 875-2868 • (800) 340-5969 • FAX: (860) 872-0300
e-mail: info@truebro.com • Internet: http://www.truebro.com



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

Model #99 E-Z
One angle valve and supply cover

Model #100 E-Z

Model #400W
One P-trap cover

Model #101 E-Z

Model #401W
One P-trap cover, one angle valve cover

Model #102 E-Z ←
 Model #402W
One P-trap cover, two angle valve cover

Model #103 E-Z
One P-trap cover, two angle valve covers, one 1-1/4" offset grid drain cover

Accessory #105 E-Z ←
One 1-1/4" offset grid drain cover

Accessory #106 E-Z
One basket strainer cover and offset waste cover

Accessory #107 E-Z
Two basket strainer covers and center or end outlet waste cover

Accessory #Ex99 E-Z
One 16" extension for supply line

Accessory #Ex100 E-Z
One 16" extension for waste arm tailpiece

Accessory 105 E-Z



Accessory 107 E-Z
(Configuration Options Shown)

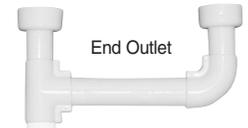
Accessory 106 E-Z



Center Outlet



End Outlet



Job/Location _____

Designer _____

WF-1



A WATTS Brand

WF2803, WF2804, WF2805, WF2808 Bradstone® Classic Washfountains

- Pre-assembled bowl and pedestal
- Available in 54" or 36" diameter semi-circular or circular bowls
- 9" deep bowl, designed for heavy-duty hand washing
- Reliable foot, air, or infrared activations, or TouchTime® mechanical metering

Specifications

Size and Capacity

Semi-circular models accommodate up to 3 users (36" models) or 4 users (54" models) at a time. Circular models accommodate up to 5 users (36" models) or 8 users (54" models) at a time. The Classic Sprayhead (non-sectional) is controlled by a foot rail, air activated pushbutton, an infrared sensor, or an electronic pushbutton or piezo switch. The washfountain bowls, pedestals, and valve sets are completely assembled. Only the support column and connections to the valve set and drain require assembly. The operating range is 20-80 psi. Flow rate controlled by volume control valve.

Construction

Bradstone®: An extremely durable plastic material made of reinforced thermosetting polyester resins and fade-resistant pigments.

Pedestals: Constructed of die-formed legs, upper braces, scuff bases and panels; legs are zinc chromate plated 14 gauge steel; upper braces are 16 gauge galvanized steel; and scuff bases are 300 series stainless steel with a #4 finish. Bradstone models have tapered, vacuum-formed plastic access panels in the color gray.

Standard Equipment

Valves and Fittings

In addition to the bowl and pedestal assembly, the following valves and fittings are standard: sprayhead with stainless steel support tube and bowl gasket; spud with domed strainer; sprayhead supply line; manual mixing valve; volume control valve; and (2) stop, strainer, and check valves.

Activation Controls

Foot

Each press of the foot rail mechanically actuates a hold-open valve, with slow closing upon release of foot pressure. Foot rail activates a flow of tempered water at a rate of 0.50 gpm (1.9 Lpm) for WF2803; 1.0 gpm (3.8 Lpm) for WF2804; 0.75 gpm (2.8 Lpm) for WF2805; or 1.0 gpm (3.8 Lpm) for WF2808 from the classic non-sectional sprayhead.

Air

Each pushbutton pneumatically actuates a non-hold-open, air metering, single-temperature valve with field adjustable timing from 0–45 seconds. Factory preset at 11 seconds. Each pushbutton activates a flow of tempered water from the classic non-sectional sprayhead. Pushbutton requires less than five pounds of pressure.

Infrared

Hands placed within the bowl are detected by an infrared sensor module which activates a flow of tempered water at a rate of 0.75 gpm (2.8 Lpm) for WF2803; 1.25 gpm (4.7 Lpm) for WF2804; 0.75 gpm (2.8 Lpm) for WF2805; or 1.0 gpm (3.8 Lpm) for WF2808 from the classic non-sectional sprayhead. Shut-off is automatic after hands are removed from the detection area. The infrared sensor uses a conical-shaped transmitting beam, having a detection area adapted to, but not exceeding, the bowl perimeter. The adaptive infrared sensor automatically adapts to the bowl after power is turned on. The infrared sensor is not affected by varying color tones or darkness. Direct sunlight or bright washroom lights will not activate the system. Infrared models also include solenoid valves and a 12V plug-in adapter as standard equipment:

- Solenoid – 12VDC, 3/4" NPT. Few moving parts, and resistant to most chemicals, minerals, and impurities often present in municipal water supplies.
- Low-Voltage UL/CSA listed 120VAC/12VDC plug-in adapter. Plugs into a standard GFCI protected electrical outlet. Location of transformer per local electrical code.



TouchTime® Mechanical Metering

Each low-voltage, mechanical pushbutton or piezo switch actuates a non-hold-open, slow-closing, anti-hammer solenoid valve that is timed from an electronic potted assembly. Each pushbutton activates a flow of tempered water at a rate of 0.15 gpc (0.57 Lpc) for WF2803; 0.25 gpc (0.95 Lpc) for WF2804; 0.15 gpc (0.57 Lpc) for WF2805; or 0.25 gpc (0.95 Lpc) for WF2808 from the classic non-sectional sprayhead. TouchTime controls water flow at all stations through the use of solid state, digital circuitry. Timing is factory set at 11 second run time but is field adjustable to pre-set timeout periods and optional auto-flush function will activate water flow for a period of 60 seconds any time there has been no activation within the past 24 hours. Pushbutton and piezo switch requires less than five pounds of pressure.

Product Compliance

Listed by IAPMO R&T to

- Uniform Plumbing Code (UPC)
- National Plumbing Code of Canada
- International Plumbing Code (IPC)
- IGC 156 and the requirements of CSA B45.5/IAPMO Z124 and ASME A112.18.1/CSA B125.1



Listed by NSF International to

- NSF/ANSI 372



Certified to NSF/ANSI 372



A WATTS Brand

WF2803, WF2804, WF2805, WF2808 Bradstone® Classic Washfountains

Models *(Must select one)*

Model	Size	Users	Material
WF2803	36" Semi-Circular	3	Bradstone
WF2804	54" Semi-Circular	4	Bradstone
WF2805	36" Circular	5	Bradstone
WF2808	54" Circular	8	Bradstone

Standard Selections *(Must select one from each category)*

Drain Type *(select one)*

- A** Off-line vent with supplies from below
- B** Centrally rising vent with supplies from above
- H** Centrally rising vent with supplies from below
- O** Off-line vent with supplies from above

Mounting Height Type *(select one)*

- STD** Standard Height

Sprayhead Type *(select one)*

- CLC** Classic Sprayhead (entire sprayhead activates)

Activation Type *(select one)*

- F** Foot **TTPA** TouchTime Pushbutton ¹
- IRP** Infrared **TTPB** TouchTime Piezo Switch ¹
- AST4** Air Valve Metering

Water Supply Type *(select one)*

- MMV** Manual Mixing Valve ² **TMA** Thermostatic Mixing Valve

Soap Dispenser Type *(select one)*

- PSD** Powdered Soap Dispenser **SA** Cube Adapter for Individual Soap Dispensers (dispensers sold separately) ³
- LSD** Liquid Soap Dispenser **NSD** No Soap Dispenser
- MLSD** Metal-Clad Liquid Soap Dispenser
- MPSD** Metal-Clad Powdered Soap Dispenser

Bradstone Bowl Color *(select one)*

NOTE: Click on color swatch to view as a larger image.

- STRM** Storm

Optional Selections

Shroud Type

- SH** Stainless Steel Shroud (Conceals Overhead Piping)

- NONE** No Shroud

NOTE: Floor to ceiling height is required; maximum height of 13 ft. 0 in. A height greater than the maximum height will be considered a special order.

Support Tube Reinforcement Type

- TA** 1-1/2" Tie Pipe Assembly (Not Required When SH is Selected) ⁵

- NONE** No Tie Pipe Assembly

Towel Dispenser Type

- CFTD** (2 for semi, 3 for circular) C-Fold, Multi-Fold Dispenser

- NONE** No Towel Dispenser

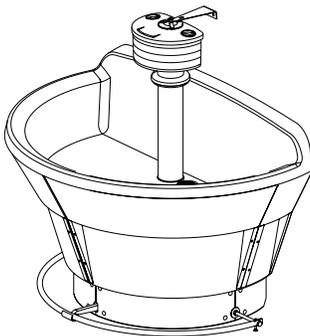
¹ TTPA and TTPB require a low-voltage UL/CSA listed 120VAC/12VDC plug-in adapter.

² Not a temperature limiting device. Installer must provide an ASSE 1070 device where required per code.

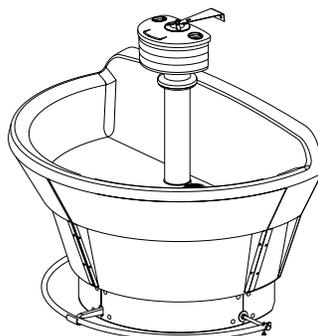
³ Towel dispenser with SA option is non-cancelable and non-returnable.

⁵ Required with drain A, drain O, and towel dispensers.

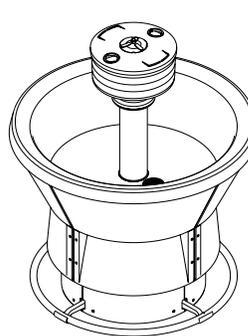
Semi-Circular Bradstone WF2803 and WF2804, Circular Bradstone WF2805 and WF2808



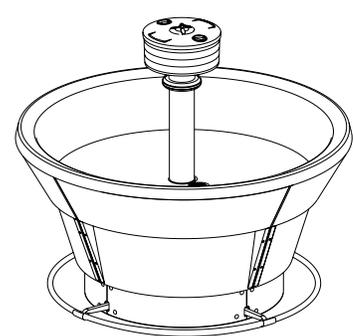
WF2803



WF2804



WF2805



WF2808



A WATTS Brand

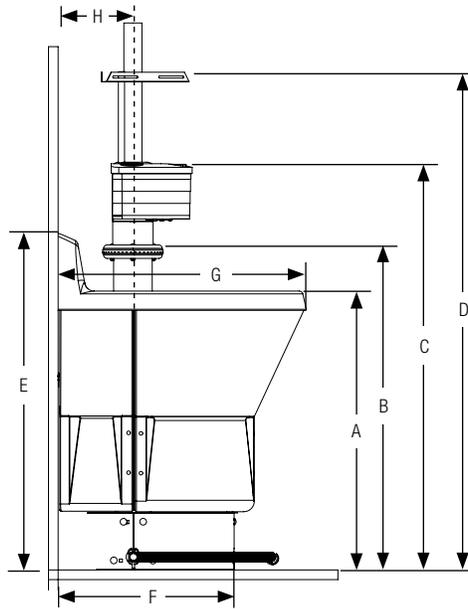
WF2803, WF2804, WF2805, WF2808 Bradstone® Classic Washfountains

(mm)

Dimensional Information



**Add 3½" to Dimensions C & D for Optional TouchTime®, Infrared Sensor, or Air Valve

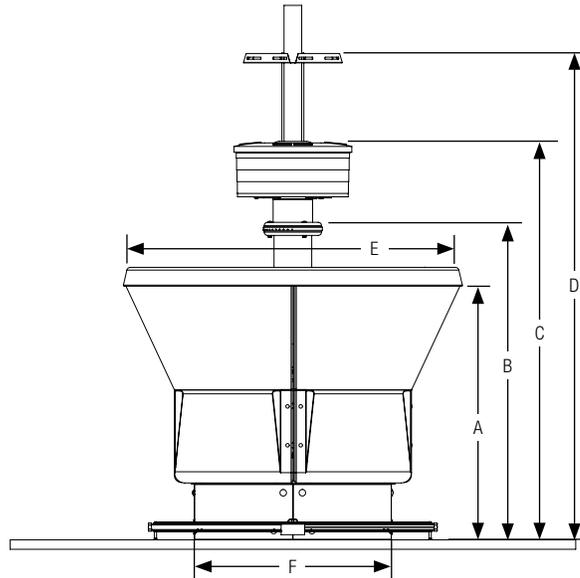


Semi-Circular

Model	Size	A	B	C**	D**	E	F	G	H
2804	54" (1372)	29¼" (743)	37½" (953)	46" (1168)	54¾" (1381)	35¼" (895)	24¼" (616)	35¼" (895)	8¼" (222)
2803	36" (914)	29¼" (743)	34" (864)	42½" (1080)	50⅞" (1292)	35¼" (895)	18¼" (464)	25¾" (654)	7¾" (197)



**Add 3-1/2" to Dimensions D & E for Optional TouchTime®, Infrared Sensor, or Air Wave



Circular

Model	Size	A	B	C**	D**	E	F
2808	54" (1372)	29¼" (743)	37½" (953)	46" (1168)	54¾" (1381)	54 (1372)	32 (813)
2805	36" (914)	29¼" (743)	34" (864)	42½" (1080)	50⅞" (1292)	36 (914)	21 (533)

** Add 3-1/2" (89) for optional TouchTime®, infrared sensor or air valve.



A WATTS Brand

WF2803, WF2804, WF2805, WF2808 Bradstone® Classic Washfountains

Rough-Ins – Semi-Circular

(mm)

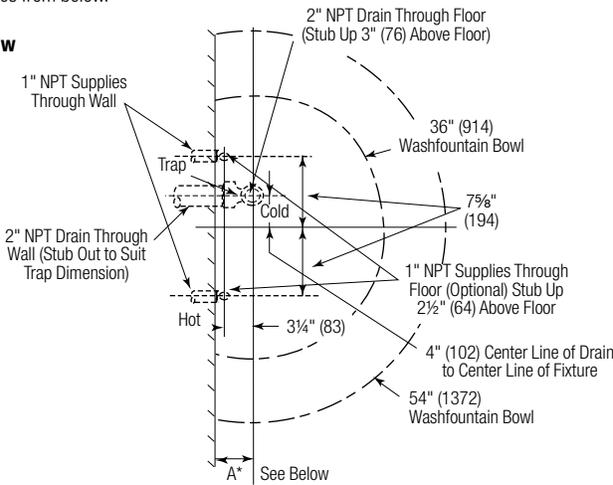
Rough-In Notes

1. All pipes and fittings not furnished by Bradley are shown in broken lines.
2. Supply lines for one to two washfountains should be 1"; for three washfountains 1¼"; for more than three washfountains, pipe sizes should be increased proportionately.
3. Overhead supplies must be reduced to 1/2" copper tube to pass through support tube.
4. Check valve inlets are 1/2" NPT.
5. Drain Types B and H: For maximum rigidity of sprayhead/support tube assembly, use 1½" NPT galvanized pipe for vent. Use of plastic or copper for vent is not recommended.

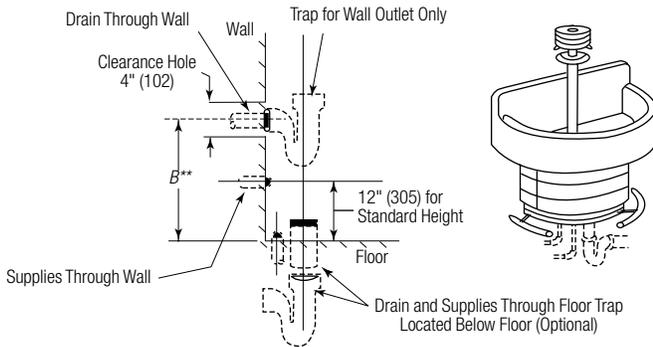
Type A

– Off-line vent with supplies from below.

Top View



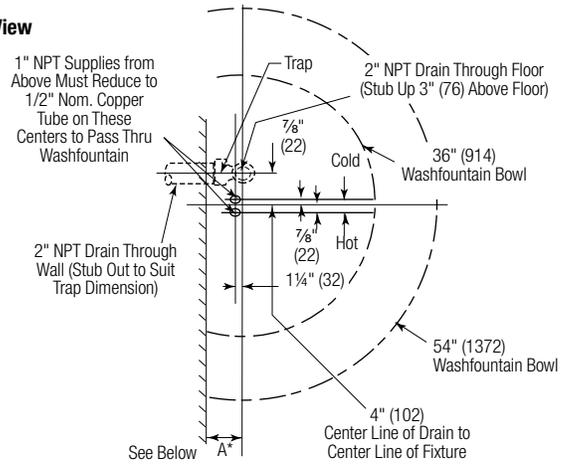
Side View



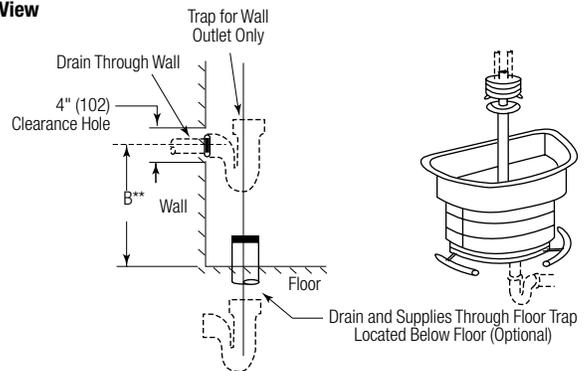
Type O

– Off-line vent with supplies from above.

Top View



Side View



Installing Traps

When installing trap with a coupling and nipple, see dimension D in the chart below. If trap is installed tight to bottom of bowl, dimension D depends on design of trap.

Model	Bowl Size	A*	B** (Standard Height)
WF2804	54" (1372)	8 1/4" (210)	6 to 11 5/8" (152 to 295)
WF2803	36" (914)	7 3/4" (197)	6 to 12" (152 to 305)

* Wall to centerline of trap
** Centerline of drain to floor



A WATTS Brand

WF2803, WF2804, WF2805, WF2808 Bradstone® Classic Washfountains

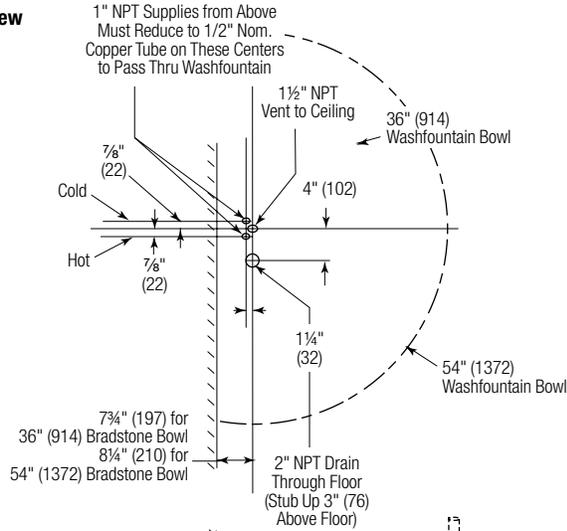
Rough-Ins – Semi-Circular (continued)

(mm)

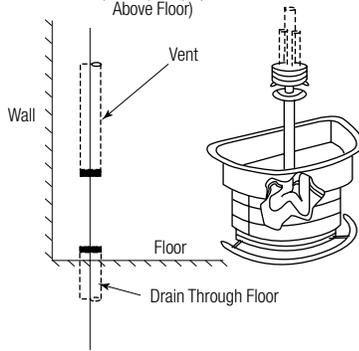
Type B

– Centrally rising vent with supplies from above.

Top View



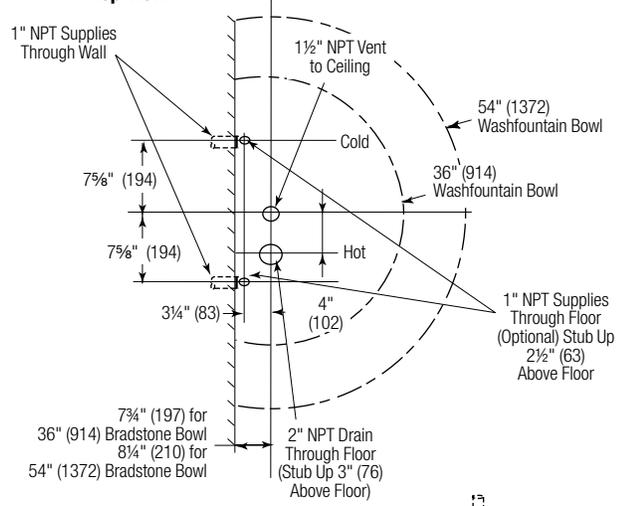
Side View



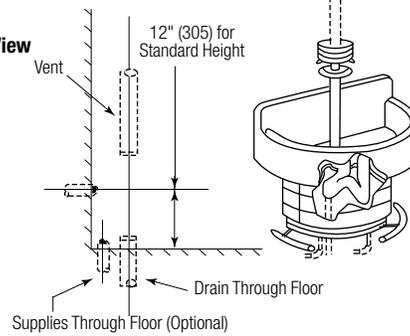
Type H

– Centrally rising vent with supplies from below.

Top View



Side View



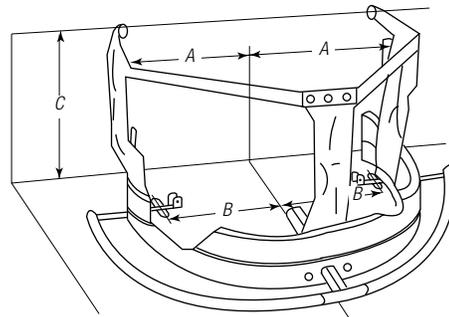
Dimensions – Pedestal Anchoring

(mm)

Model	Bowl Size	Standard Height		
		A	B	C
WF2504	54" (1372)	16 1/2" (419)	14" (356)	18 1/4" (464)
WF2503	36" (914)	11" (279)	8 5/8" (219)	18 1/4" (464)

Anchoring Pedestals

1. Place pedestal assembly as shown.
2. Anchor pedestal assembly to floor and wall with suitable wall fasteners. Backing may be required in some types of wall construction.





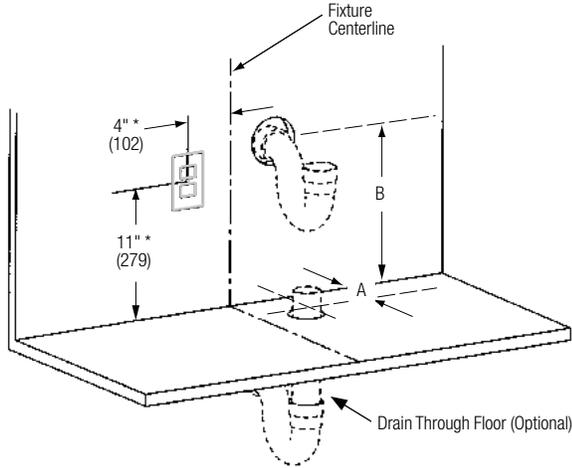
A WATTS Brand

WF2803, WF2804, WF2805, WF2808 Bradstone® Classic Washfountains

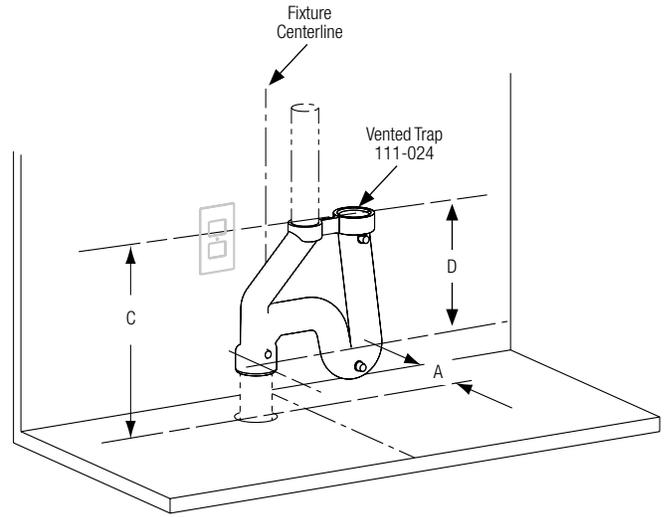
Rough-Ins – Semi-Circular (continued)

(mm)

Types A and O



Types B and H



* Suggested location of 120VAC GFCI electrical outlet when infrared or TouchTime is ordered. Always check local codes before installing. Outlet may be required to be in a remote location.

Model	Bowl Size	A (All Types)	B (Types A & O)	C (Types B & H)	D (Types B & H)
WF2804	54" (1372)	8¼" (210)	6 to 11⅝" (152 to 295)	17" (432)	7" (178)
WF2803	36" (914)	4¾" (121)	6 to 13¼" (152 to 337)	18⅝" (473)	7" (178)

SK-1

Features

- 27" (686 mm) minimum base cabinet width
- Single bowl
- 9" (229 mm) depth provides generous workspace
- Rear drain increases workspace in the sink and allows for more storage space underneath the sink
- Includes a combination dishcloth bar/utility shelf and a bottom sink rack
- Includes installation hardware
- Rounded 10mm corners are easy to clean



Material

- Handcrafted from 16-gauge stainless steel
- Premium 16-gauge stainless steel

Installation

- Undermount

Required Products/Accessories

K-11352 Disposal Flange with Stopper

or

K-8801 Sink drain and strainer with tailpiece

or

K-8799 Sink drain and strainer basket

Recommended Products/Accessories

K-23726 Drain treatment

K-23729 Stainless steel cleaner

Included Components

K-6429 Utility Rack

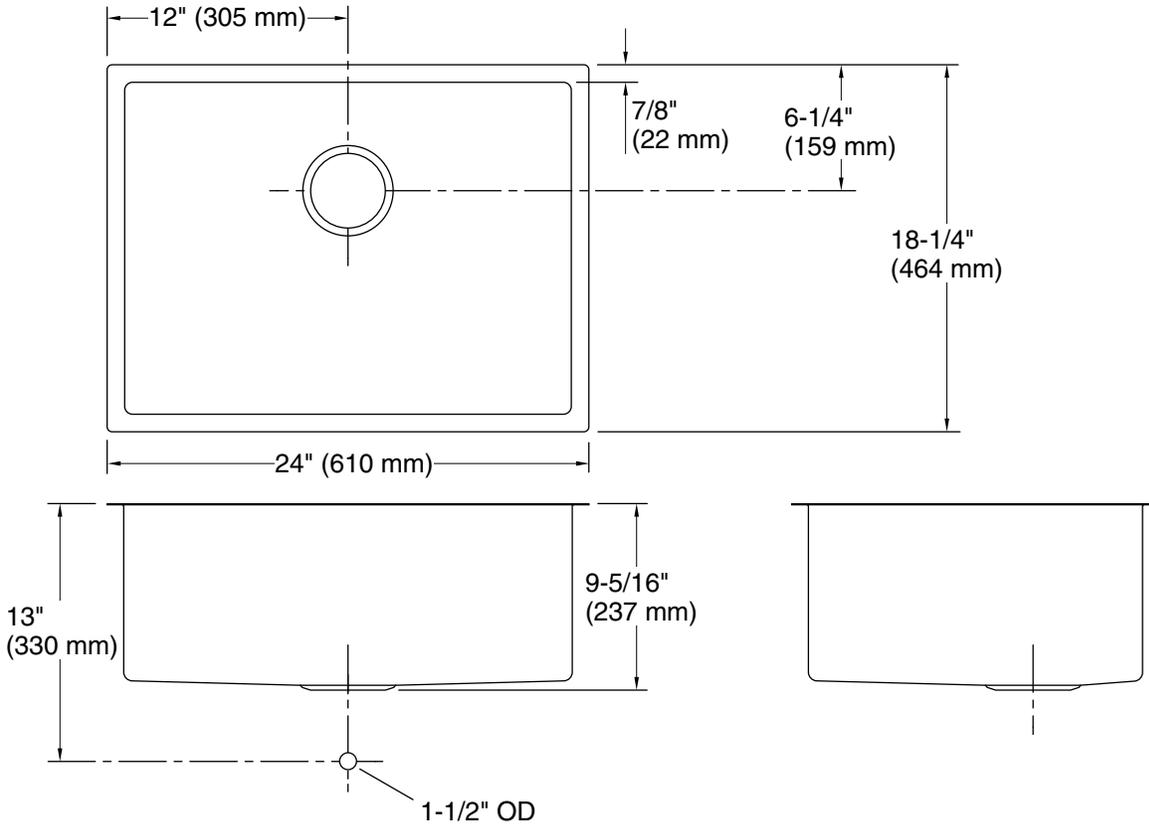
K-6645 Sink Rack

Codes/Standards

ASME A112.19.3/CSA B45.4

KOHLER® Stainless Steel Sinks Lifetime Limited Warranty

See website for detailed warranty information.



Technical Information

All product dimensions are nominal.

Basin configuration: Single Bowl

Min. base cabinet width: 27" (686 mm)

Bowl area: Length: 22-1/4" (565 mm)
 Width: 16-1/2" (419 mm)
 Bowl depth: 9-5/16" (237 mm)
 Water depth: 9" (229 mm)

Template: 1207218-7, required, included

Notes

Install this product according to the installation instructions.



see what Delta can do™

KITCHEN FAUCETS

- Monrovia™ Collection
- Single Handle Pull-Down

FEATURES:

- DIAMOND Seal® Technology
- Touch-Clean® Technology
- MagnaTite® Docking System
- Lumicoat™ Finish (-PR models only)
- Lumicoat™ Finishes easily wipe clean without cleaners and chemicals on the products most commonly touched areas

STANDARD SPECIFICATIONS:

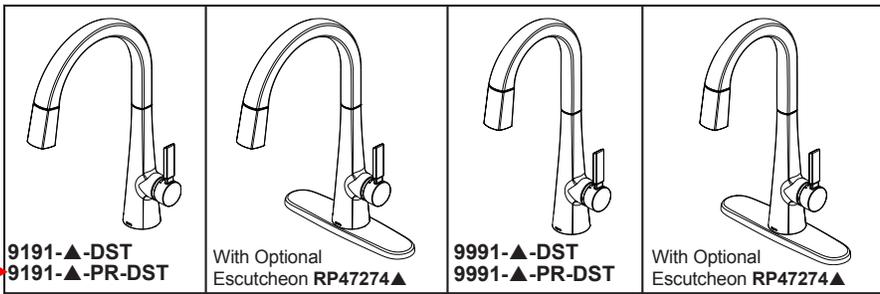
- Max flow rate 1.8 gpm @ 60 psi, 6.8 L/min @ 414 kPa
- One or three hole mount (8" escutcheon not included, order separately)
- Diamond coated ceramic cartridge
- 3/8" O.D. straight, staggered PEX supply lines
- Spout rotates 360°
- Hot/cold indicator markings
- Dual integral check valves in sprayer assembly
- Two-function wand; Aerated stream or spray

WARRANTY

- Parts and Finish - Lifetime limited warranty; or for commercial purchasers, 10 years for multi-family residential (apartments and condominiums) and 5 years for all other commercial uses, in each case from the date of purchase.
- Electronic Parts and Batteries (if applicable) - 5 years from the date of purchase; or for commercial purchasers, 1 year from the date of purchase. No warranty is provided on batteries.

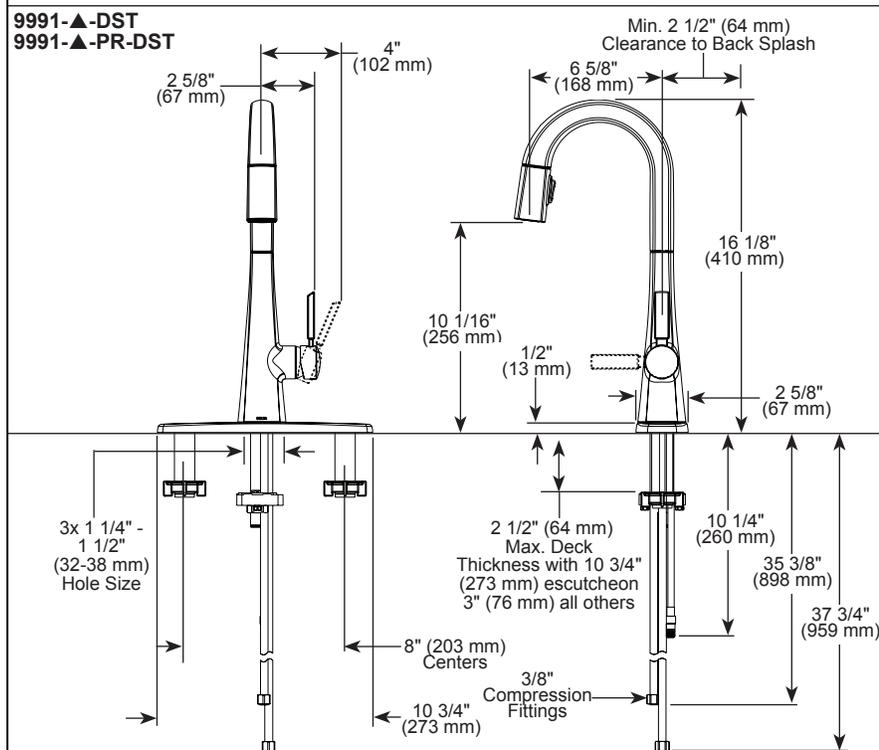
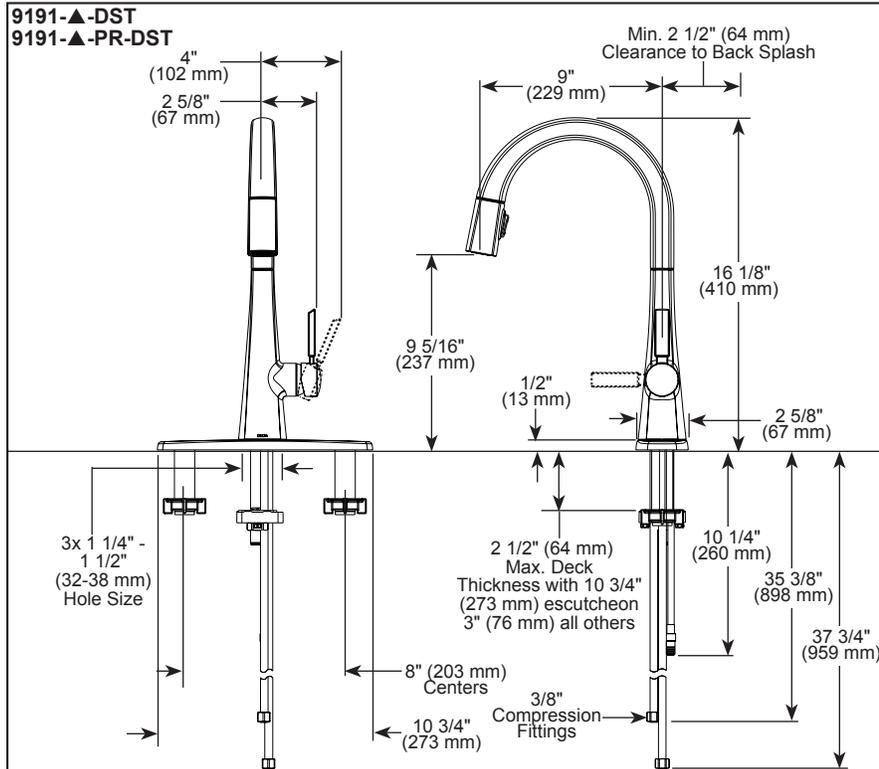
COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- ♿ Indicates compliance to ICC/ANSI A117.1



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-9191-DST Rev. A

Delta Faucet Company

55 E. 111th Street, Indianapolis, IN 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
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McGUIRE MFG. CO., INC.

60 Grandview Court
P.O. Box 746 ♣ Cheshire, CT 06410
203-699-1801 ♣ Fax 203-699-1813
www.mcguiremfg.com

Product Specification

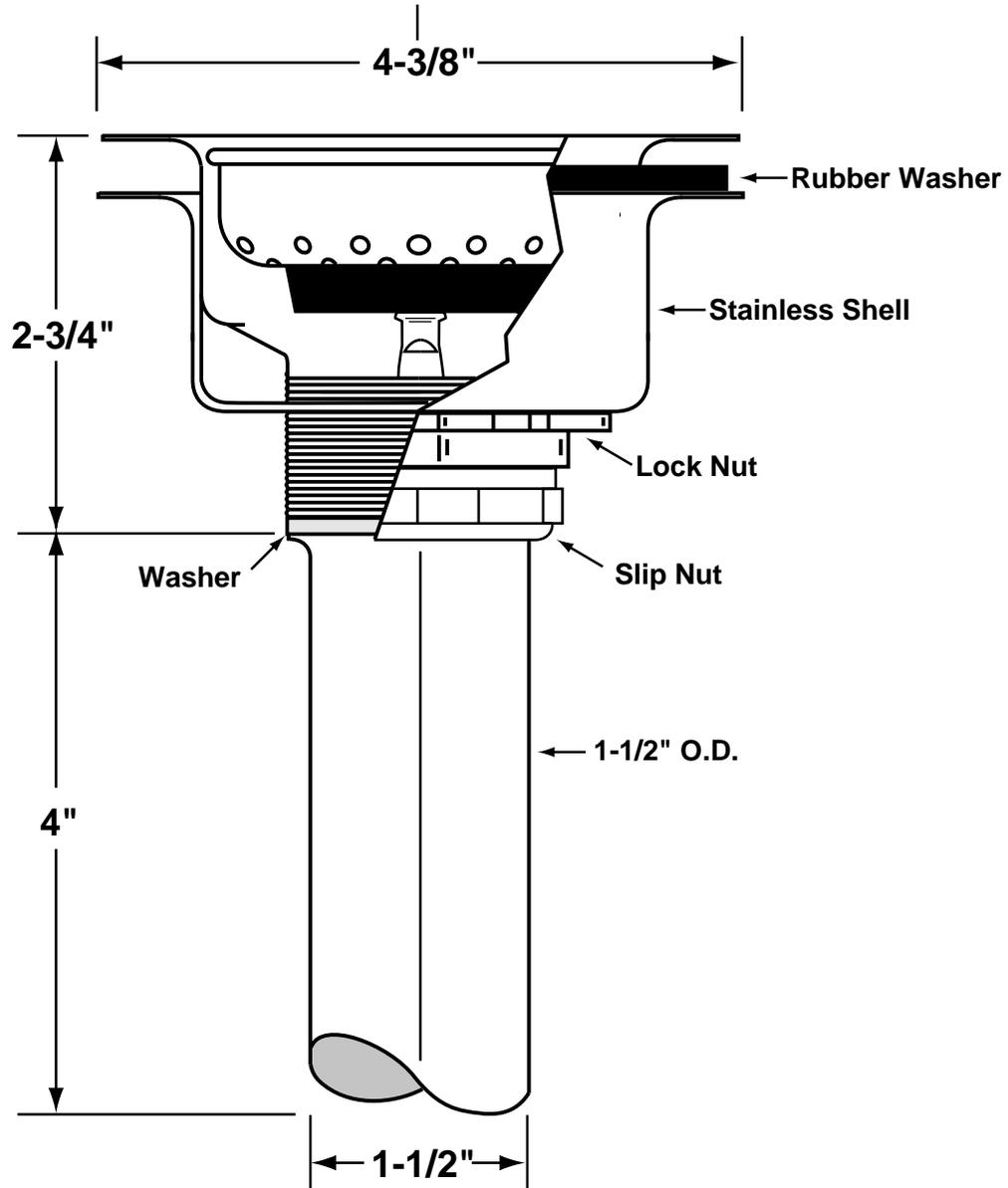
Part No.

151A

Stainless Steel
Basket Strainer

Job Name:

Submittal Number:



See options and accessories section for details on product variations.

Specifications:

Heavy Duty Forged Stainless Steel Basket Strainer with 1-1/2" x 4" seamless brass tailpiece, lock and coupling nuts.



McGuire Manufacturing Co., Inc.

60 Grandview Court
 Cheshire, Connecticut 06410
 (203) 699-1801 Fax (203) 699-1813
 customerservice@mcguiremfg.com mcguiremfg.com

PRODUCT SPECIFICATION

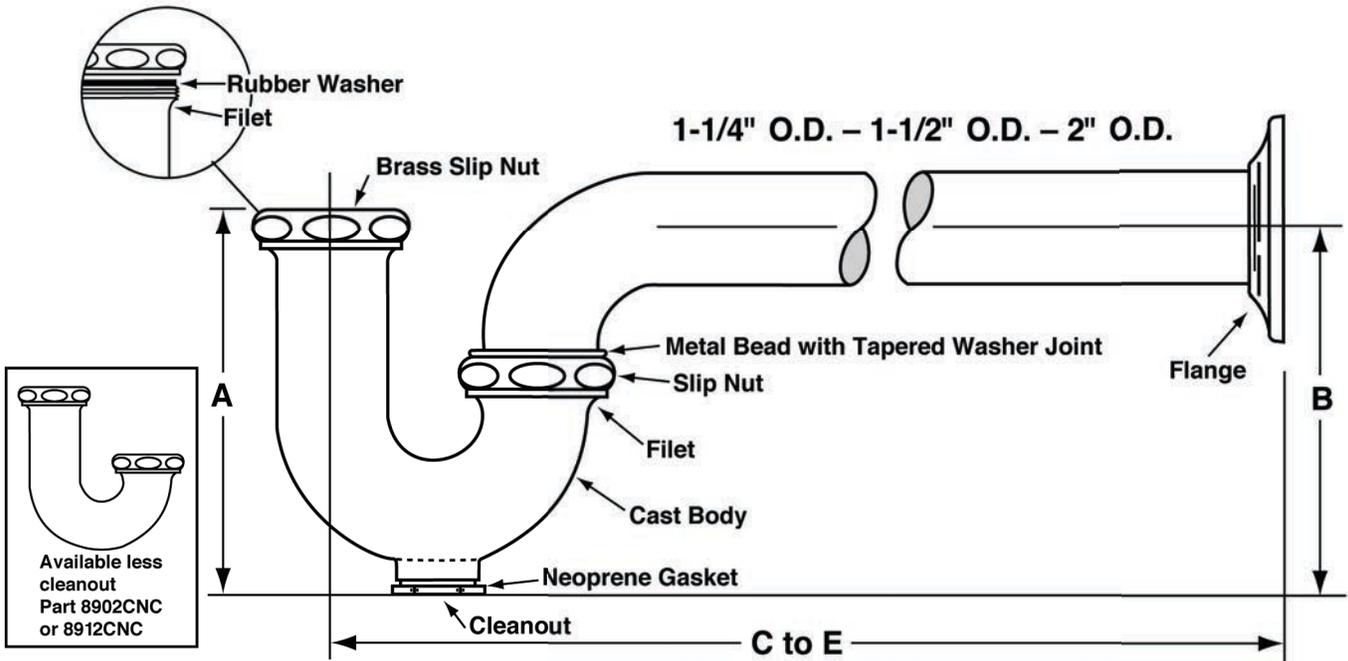
Part No.

8872C, 8902C, 8902CNC, 8912C,
 8912CNC, 8903C, 8904C

Cast Body P-Trap With or Without Cleanout

Job Name:

Submittal Number:



PROFESSIONAL LINE

ROUGHING MEASUREMENTS

NO.	TRAP DIMENSIONS		A	B	C to E
	INLET	OUTLET			
8872C	1-1/4"	1-1/4"	4-1/2"	4-1/4"	11-1/2"
8902C	1-1/4"	1-1/2"	5"	5-1/2"	11-1/2"
8902CNC	1-1/4"	1-1/2"	4-5/8"	4-3/4"	11-1/2"
→ 8912C	1-1/2"	1-1/2"	5"	5-1/2"	11-1/2"
8912CNC	1-1/2"	1-1/2"	4-5/8"	4-1/8"	11-1/2"
8903C	1-1/2"	2"	5"	6"	13-3/4"
8904C	2"	2"	5"	6"	13-3/4"

FED SPEC W.W.P. 541
CAST BRASS P TRAP
MINIMUM SEAL 2"

See options and accessories section for details on product variations.

ASME A112.18.2/CSA B125-2



Specifications:

P-Trap shall be chrome plated cast brass body (with, without) cleanout, with 17 gauge seamless tubular wall bend, cast brass slip nuts. Reducing washers shall be used with reducing cast brass nut. With (shallow, deep, bell) (steel, brass) or (forged brass with set screw) flange.

P-Trap shall be McGuire "Classic" Professional Line

Trap shall be certified by CSA or other recognized testing authority. Trap shall bear manufacturer and testing marks.



WARNING:

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



McGuire Manufacturing Co., Inc.

60 Grandview Court
 Cheshire, Connecticut 06410
 (203) 699-1801 Fax (203) 699-1813
 customerservice@mcguiremfg.com mcguiremfg.com

PRODUCT SPECIFICATION

Part No.

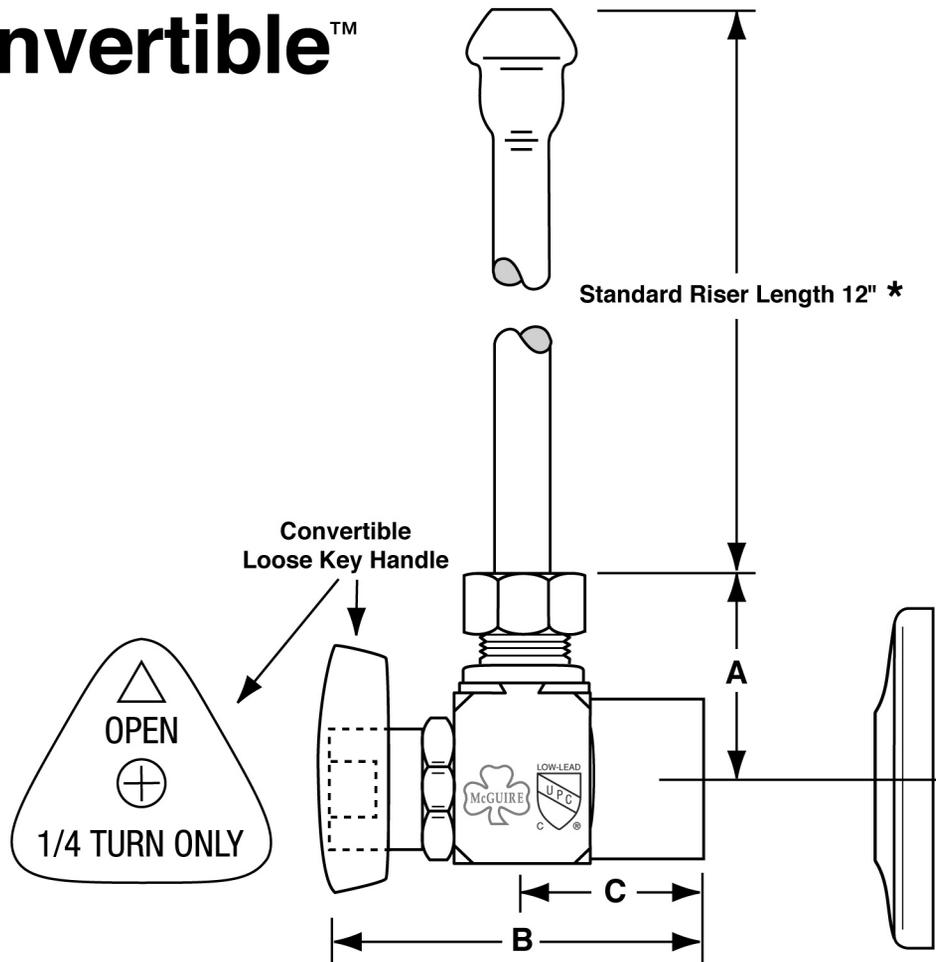
LFBV2-2165

**Quarter-Turn Brass
 Ball Valve Lavatory Supply**

Job Name:

Submittal Number:

Convertible™



NO.	DESCRIPTION	ROUGHING MEASUREMENTS		
		A	B	C
LFBV2-2165	1/2" I.P.S. x 3/8" O.D.	1-3/16"	2-3/16"	1"

* See options and accessories section for details on product variations.



Specifications:

Supply kits shall include lead free chrome plated, commercial pattern Quarter-Turn Brass Ball Valve with convertible loose key handle, (chrome plated copper or braided stainless risers) and (shallow, deep, bell) (steel or brass) or (forged brass with set screw) flange. Inlet shall be (1/2) inch (IPS, sweat, compression). Outlet shall be (3/8) inch (compression). Supply kit shall be McGuire _____ . Supply kit shall be certified by recognized authority and bear manufacturer and testing mark.

WARNING:

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

EEW-1



□ **G1814** Eyewash, Wall Mounted, Stainless Steel Bowl



Application: Eyewash with stainless steel bowl for wall mounting. Two GS-Plus™ spray-type outlet 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 PTFE seals.

Bowl: 11-1/8" diameter stainless steel.

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.

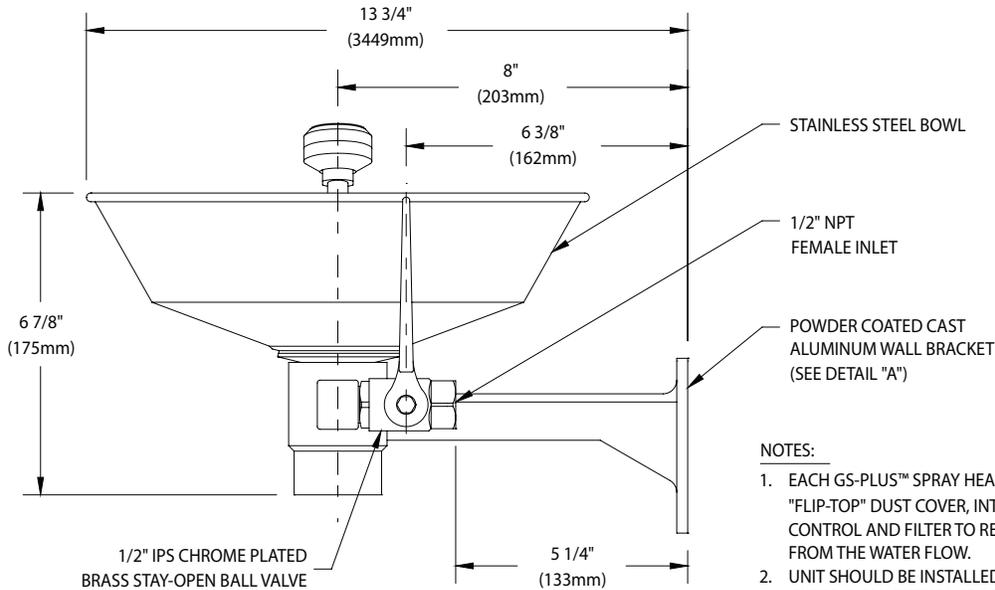
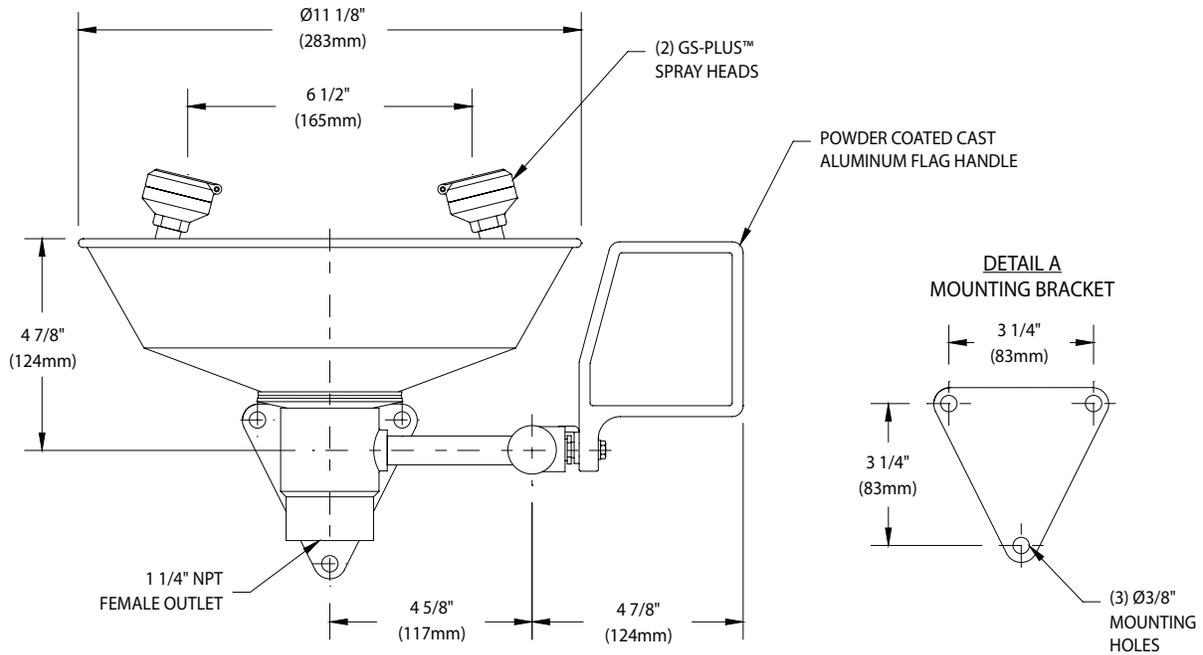
Quality Assurance: Unit is completely assembled and water tested prior to shipment.

Available Options

- **G6020** Thermostatic mixing valve precisely blends hot and cold water to deliver tepid water as required by ANSI Z358.1-2014. Refer to “Thermostatic Mixing Valves” section for complete technical and product selection information.
- **BC** Stainless steel bowl cover. Cover protects unit against contaminants. Cover is automatically raised when unit is activated.
- **HS** Auxiliary hand-held drench hose for rinsing eyes, face or body.
- **T** Chrome plated brass tailpiece and trap with 1-1/2" IPS waste connection.
- **TP** 1-1/2" OD chrome plated brass tailpiece.



□ G1814 Eyewash, Wall Mounted, Stainless Steel Bowl



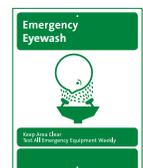
NOTES:

1. EACH GS-PLUS™ SPRAY HEAD HAS A "FLIP-TOP" DUST COVER, INTERNAL FLOW CONTROL AND FILTER TO REMOVE IMPURITIES FROM THE WATER FLOW.
2. UNIT SHOULD BE INSTALLED SO THAT WATER FLOW PATTERN IS POSITIONED BETWEEN 33" AND 53" ABOVE FLOOR.

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. 080918

Sign Included



EWC-1

PRODUCT SPECIFICATIONS

ezH2O[®] Bottle Filling Station & Versatile Bi-Level ADA Cooler Non-Filtered Refrigerated Stainless. Chilling Capacity of 8.0 GPH (gallons per hour) of 50° F drinking water, based on 80° F inlet water and 90° F ambient, per ASHRAE 18 testing. Features shall include Antimicrobial*, Green Ticker™, Hands Free, Laminar Flow, Real Drain. Furnished with Flexi-Guard[®] Safety Bubbler. Electronic Bottle Filler Sensor with Electronic Front and Side Bubbler Pushbar activation. Product shall be Wall Mount (On Wall), for Indoor applications, serving 2 station(s). Unit shall be certified to UL 399 and CAN/CSA C22.2 No. 120.



Special Features:	Antimicrobial, Green Ticker™, Hands Free, Laminar Flow, Real Drain
Finish:	Stainless Steel
Power:	115V/60Hz
Bubbler Style:	Flexi-Guard [®] Safety Bubbler
Activation by:	Electronic Bottle Filler Sensor with Electronic Front and Side Bubbler Pushbar
Mounting Type:	Wall Mount (On Wall)
Chilling Capacity*:	8.0 GPH
Full Load Amps	6
Rated Watts:	370
Dimensions (L x W x H):	36-3/4" x 19" x 39-1/16"
Approx. Shipping Weight:	101 lbs.
Installation Location:	Indoor
No. of Stations Served:	2
*Based on 80° F inlet water & 90° F ambient air temp for 50° F chilled drinking water.	

Special Note: Non-filtered model

- Green Ticker: Informs user of number of 20 oz. plastic water bottles saved from waste.
- Laminar flow provides clean fill with minimal splash.
- Key plastic components are manufactured with silver ion antimicrobial agent helping to provide clean, stain- and odor-free surfaces.
- Real Drain System eliminates standing water.

*Antimicrobial claims are in reference to components manufactured antimicrobial agents, helping to provide clean, stain- and odor-free surfaces.

COOLING SYSTEM

- 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: Combination tube-tank type. Continuous copper tubing with is fully insulated with EPS foam that

PART: _____ QTY: _____

PROJECT: _____

CONTACT: _____

DATE: _____

NOTES: _____

APPROVAL: _____

Included with Product: Water Cooler (EZSTL8WSSC), Bottle Filler (EZWSR)

Ships in multiple boxes.

A Century of Tradition and Quality. For more than 100 years, ElKay has been making innovative products and providing exceptional customer care. We take pride in offering plumbing products that make life easier, inspire change and leave the world a better place.



PRODUCT COMPLIANCE

- ADA & ICC A117.1
- ASME A112.19.3/CSA B45.4
- CAN/CSA C22.2 No. 120
- GreenSpec[®]
- NSF/ANSI 61 (Q≤1) & 372 (lead free)
- UL 399



Complies with ADA & ICC A117.1 accessibility requirements when installed according to the requirements outlined in these standards. Installation may require additional components and/or construction features to be fully compliant. Consult the local Authority Having Jurisdiction if necessary.

[Installation Instructions \(PDF\) - 100002243](#)

5 Year Limited Warranty on the refrigeration system of the unit. Electrical components and water system are warranted for 12 months from date of installation. **Warranty pertains to drinking water applications only. Non-drinking water applications are not covered under warranty.**

[Warranty \(PDF\)](#)

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.

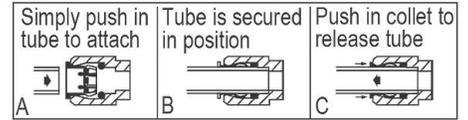
**IMPORTANT!
INSTALLER PLEASE NOTE :**

This water cooler has been designed and built to provide water to the user which has not been altered by materials in the cooler waterways. The grounding of electrical equipment such as telephone, computer, etc. to water lines is a common procedure. This grounding can cause electrical feedback into a water cooler creating an electrolysis which creates a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as shown below.

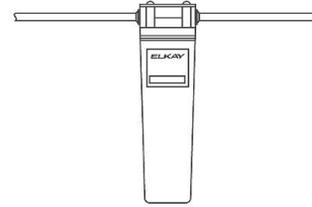
NOTICE

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. Bottle filler unit on bracket attached to wall by 6 holes (as shown). Water and electrical will connect through pre-punched hole in basin.

OPERATION OF QUICK CONNECT FITTINGS

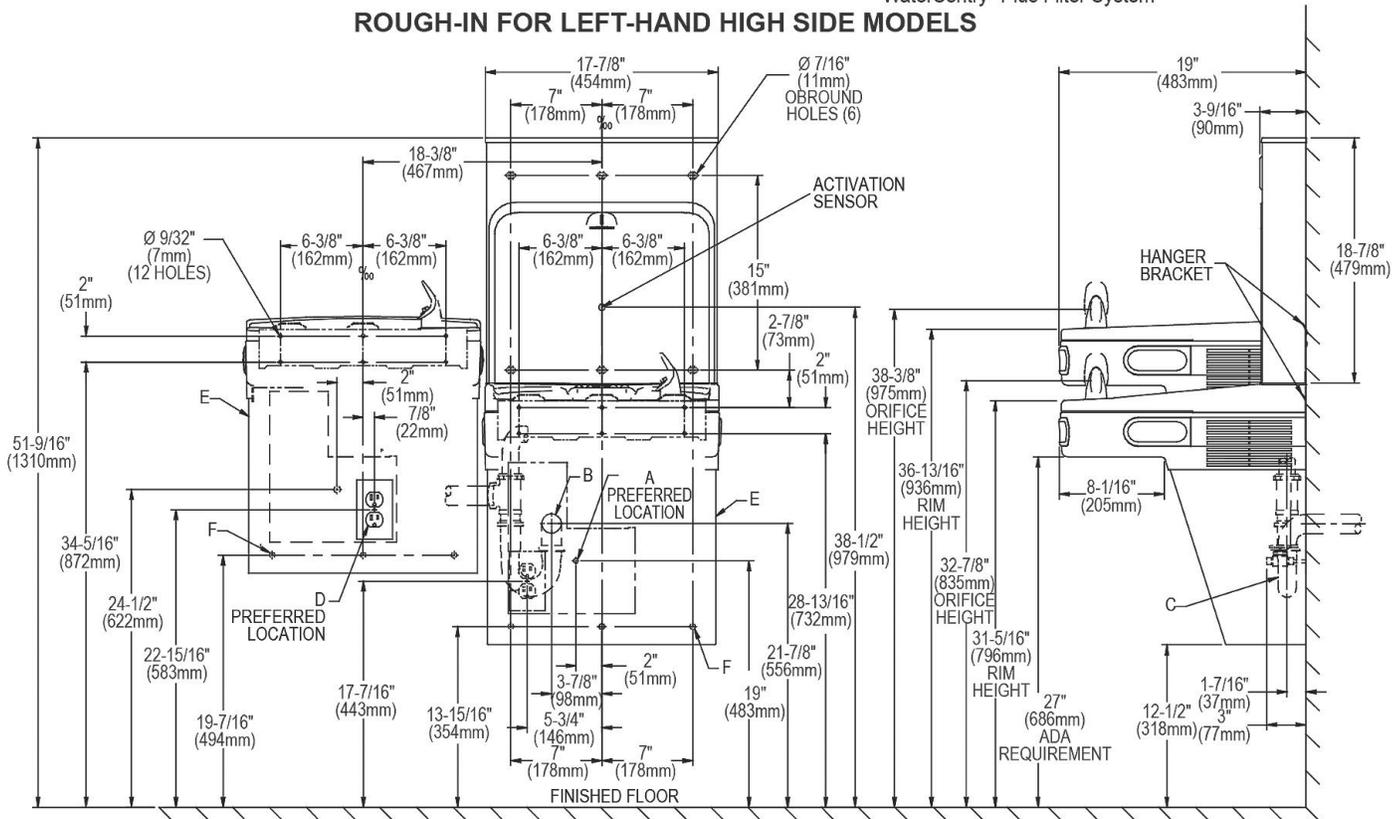


Pushing tube in before pulling it out helps to release tube



WaterSentry[®] Plus Filter System

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).

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.

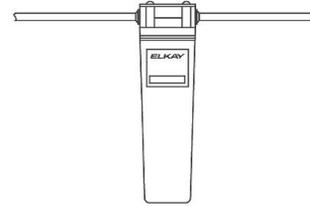
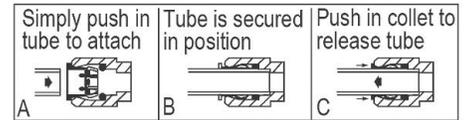
IMPORTANT! INSTALLER PLEASE NOTE :

This water cooler has been designed and built to provide water to the user which has not been altered by materials in the cooler waterways. The grounding of electrical equipment such as telephone, computer, etc. to water lines is a common procedure. The 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 creates a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as shown below.

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. Bottle filler unit on bracket attached to wall by 6 holes (as shown). Water and electrical will connect through pre-punched hole in basin.

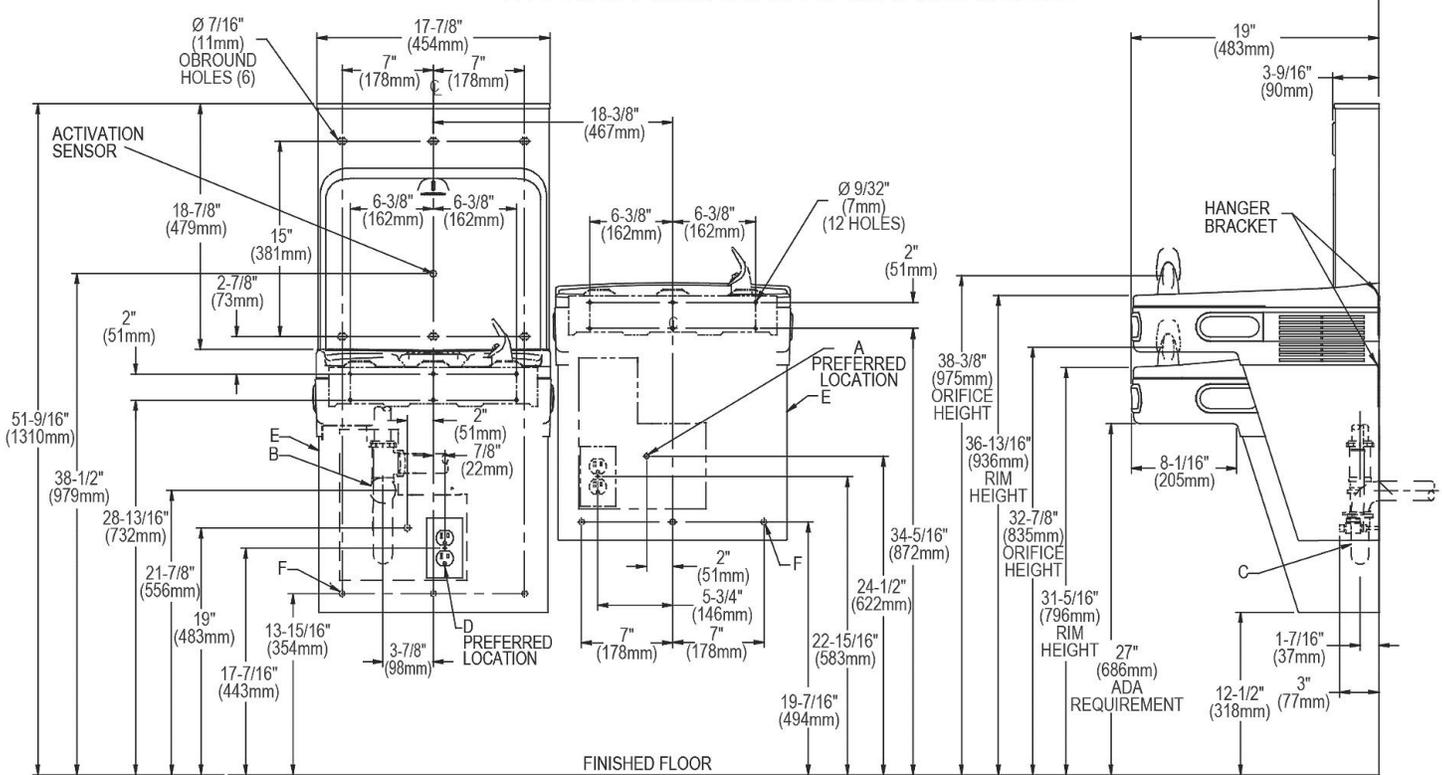
OPERATION OF QUICK CONNECT FITTINGS



Pushing tube in before pulling it out helps to release tube

WaterSentry[®] Plus Filter System

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).

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.



McGuire Manufacturing Co., Inc.

60 Grandview Court
 Cheshire, Connecticut 06410
 (203) 699-1801 Fax (203) 699-1813
 customerservice@mcguiremfg.com mcguiremfg.com

PRODUCT SPECIFICATION

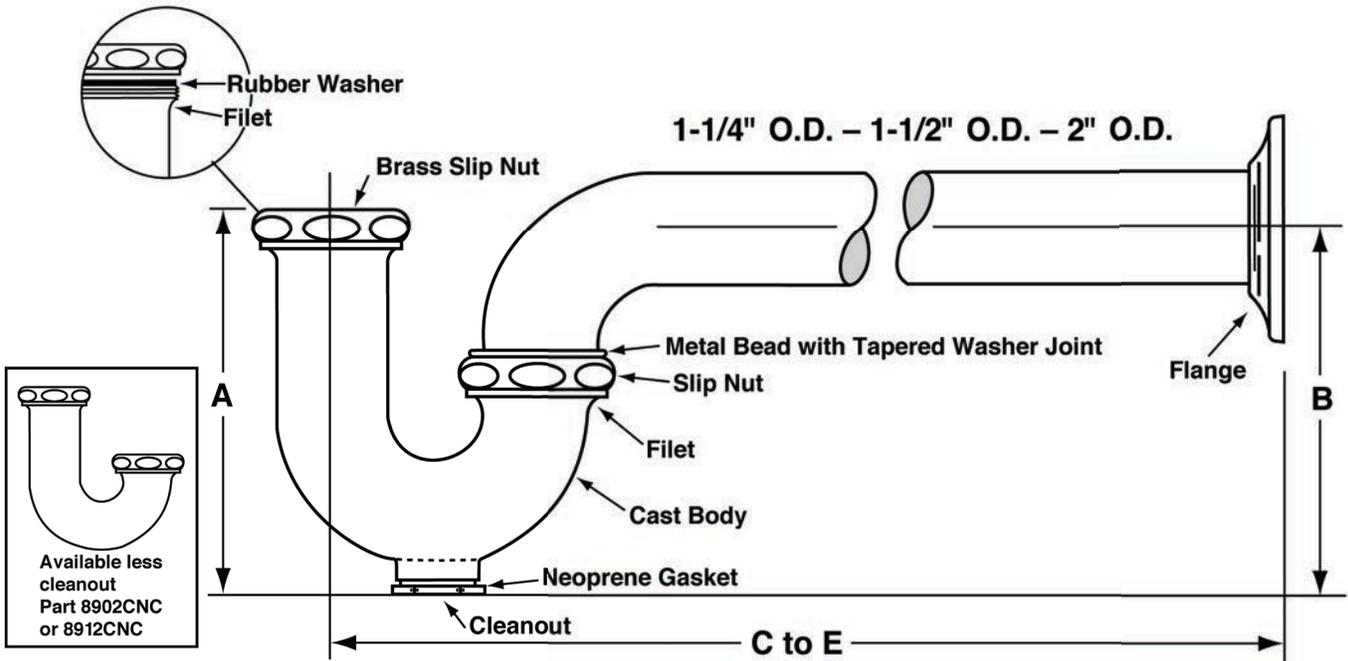
Part No.

8872C, 8902C, 8902CNC, 8912C,
 8912CNC, 8903C, 8904C

Cast Body P-Trap With or Without Cleanout

Job Name:

Submittal Number:



PROFESSIONAL LINE

ROUGHING MEASUREMENTS

NO.	TRAP DIMENSIONS		A	B	C to E
	INLET	OUTLET			
→ 8872C	1-1/4"	1-1/4"	4-1/2"	4-1/4"	11-1/2"
8902C	1-1/4"	1-1/2"	5"	5-1/2"	11-1/2"
8902CNC	1-1/4"	1-1/2"	4-5/8"	4-3/4"	11-1/2"
8912C	1-1/2"	1-1/2"	5"	5-1/2"	11-1/2"
8912CNC	1-1/2"	1-1/2"	4-5/8"	4-1/8"	11-1/2"
8903C	1-1/2"	2"	5"	6"	13-3/4"
8904C	2"	2"	5"	6"	13-3/4"

FED SPEC W.W.P. 541
CAST BRASS P TRAP
MINIMUM SEAL 2"

See options and accessories section for details on product variations.

ASME A112.18.2/CSA B125-2



Specifications:

P-Trap shall be chrome plated cast brass body (with, without) cleanout, with 17 gauge seamless tubular wall bend, cast brass slip nuts. Reducing washers shall be used with reducing cast brass nut. With (shallow, deep, bell) (steel, brass) or (forged brass with set screw) flange.

P-Trap shall be McGuire "Classic" Professional Line

Trap shall be certified by CSA or other recognized testing authority. Trap shall bear manufacturer and testing marks.



WARNING:

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



McGuire Manufacturing Co., Inc.

60 Grandview Court
 P.O. Box 746 • Cheshire, CT 06410
 203-699-1801 • Fax: 203-699-1813
 www.mcguiremfg.com

Part No.

LFST11, LFST11LK, LFST11X, LFST12,
 LFST12LK, LFST12X, LFST13, LFST13LK,
 LFST13X, LFST14, LFST14LK, LFST14X

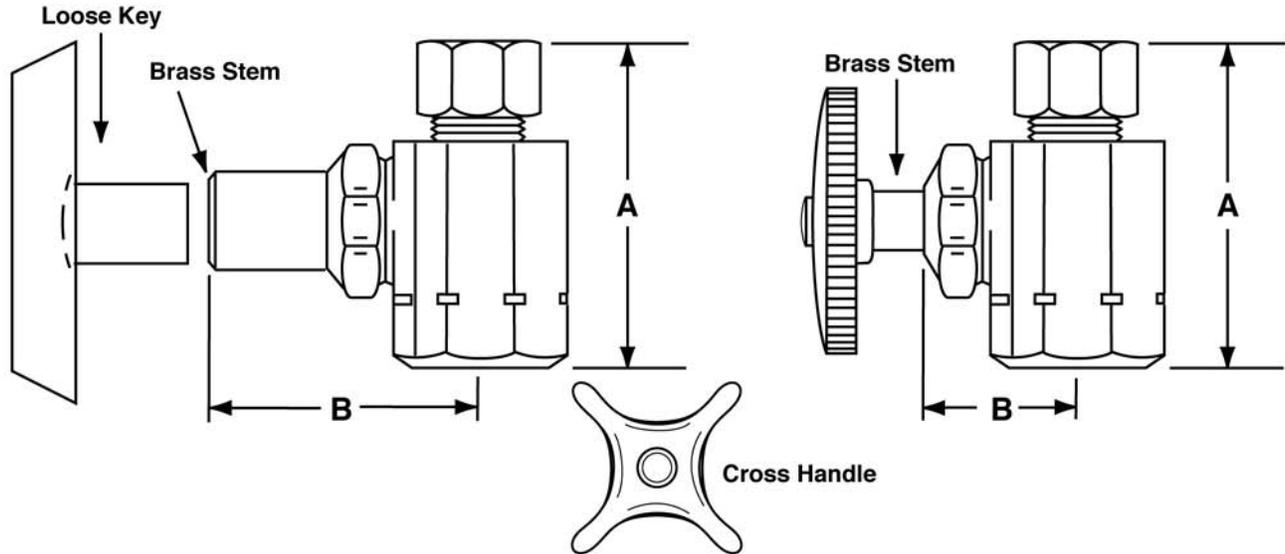
PRODUCT SPECIFICATION

**Straight Supply Stop
 I.P.S. x O.D.**

Job Name:

Submittal Number:

Pipe To Compression



NO.	DESCRIPTION	ROUGHING MEASUREMENTS	
		A	B
LFST11	3/8" I.P.S. x 3/8" O.D.	1-15/16"	7/8"
LFST11LK	3/8" I.P.S. x 3/8" O.D.	1-15/16"	1-5/8"
LFST11X	3/8" I.P.S. x 3/8" O.D.	1-15/16"	7/8"
→ LFST12	1/2" I.P.S. x 3/8" O.D.	1-15/16"	7/8"
LFST12LK	1/2" I.P.S. x 3/8" O.D.	1-15/16"	1-5/8"
LFST12X	1/2" I.P.S. x 3/8" O.D.	1-15/16"	7/8"
LFST13	3/8" I.P.S. x 1/2" O.D.	1-15/16"	7/8"
LFST13LK	3/8" I.P.S. x 1/2" O.D.	1-15/16"	1-5/8"
LFST13X	3/8" I.P.S. x 1/2" O.D.	1-15/16"	7/8"
LFST14	1/2" I.P.S. x 1/2" O.D.	1-15/16"	7/8"
LFST14LK	1/2" I.P.S. x 1/2" O.D.	1-15/16"	1-5/8"
LFST14X	1/2" I.P.S. x 1/2" O.D.	1-15/16"	7/8"

LK designates *Loose Key*

X designates *Heavy Brass Cross Handle*

See options and accessories section for details on product variations.



ASME A112.18.1-2011/CSA B125.1-11

Specifications:

Chrome plated brass, Supply Stop Valve with full turn brass stem. Inlet shall be (3/8, 1/2) inch (IPS, sweat, compression). Outlet shall be (3/8, 1/2) inch (IPS, compression). Supply stop valve shall be McGuire_____. Supply stop valve shall be certified by CSA or other recognized testing authority and bear manufacturer and testing mark. Stop to be certified to 200 psi line pressure.

CARRIER



SMITH® JAY R. SMITH MFG. CO.®
 MEMBER OF MORRIS GROUP INTERNATIONAL
 POST OFFICE BOX 3237
 MONTGOMERY, ALABAMA 36109-0237 (USA)
 TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com

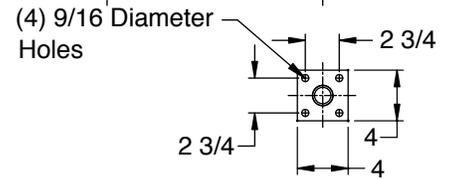
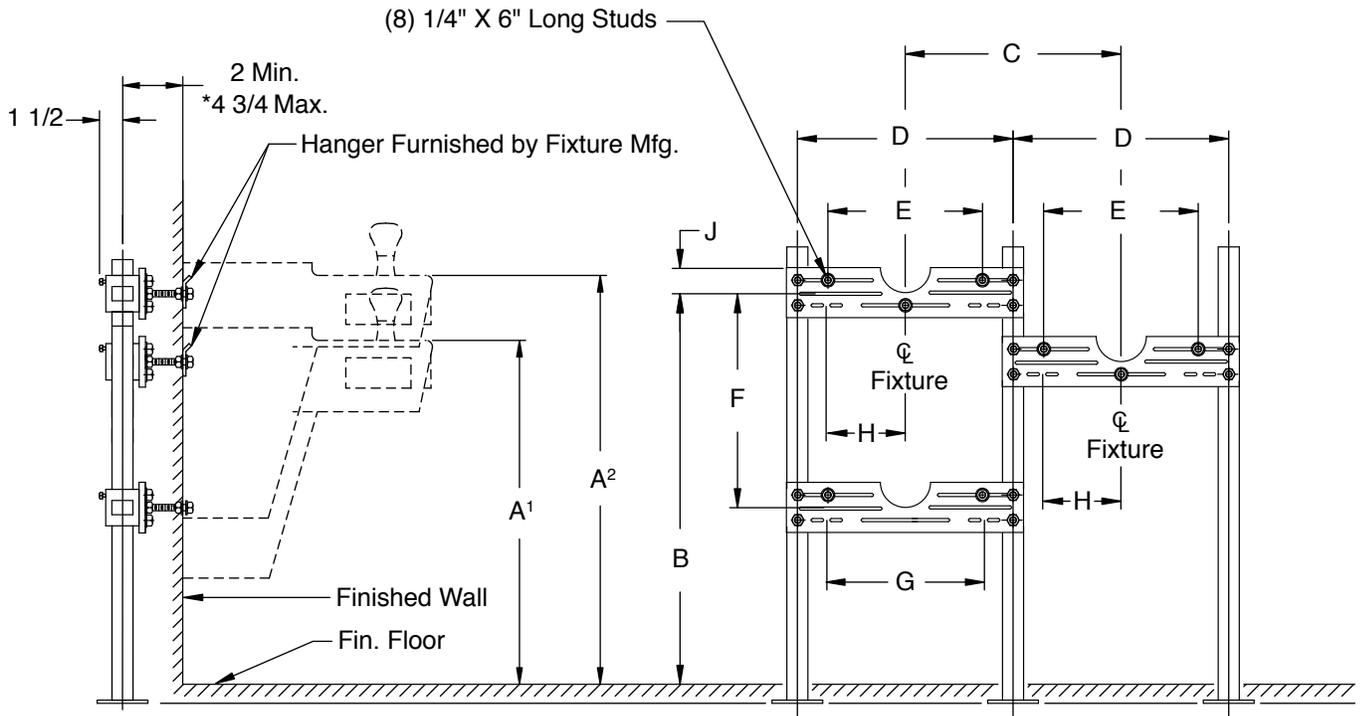


MEMBER OF:



LOCATION

FIXTURE SUPPORT FLOOR MOUNTED TYPE
 WITH SUPPORT PLATES AND FIXTURE MOUNTING STUDS
 FOR TWO WALL MOUNTED ELECTRICAL WATER COOLERS



BASE DETAIL

FIXTURE MANUFACTURER			NUMBER						
A ¹	A ²	B	C	D	E	F	G	H	J

NOTE: Uses 70085-86-6 Universal Support Plates - 3 required.

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

NOTE: The rough-in dimensions listed on this drawing are based on current information available to Jay R. Smith by the fixture manufacturers. We recommend that you verify these dimensions with the fixture manufacturer. We will not accept responsibility for rough-in dimension changes by the fixture manufacturer.

DRAWING NUMBER
S0834L

SIZE
A

SCALE:
NONE

DATE:
11-11-08

APPROVED BY:
AM

CHECKED BY:
AM

DRAWN BY:
RN

0834L

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT POUNDS	VOLUME CUBIC FEET

FIGURE NUMBER
0834L



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov



JAY R. SMITH MFG. CO.
 MEMBER OF MORRIS GROUP INTERNATIONAL
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 MONTGOMERY, ALABAMA 36109-0237 (USA)
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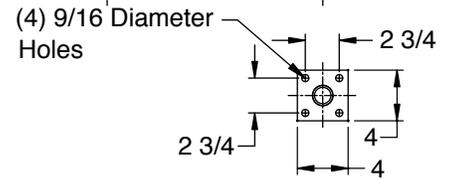
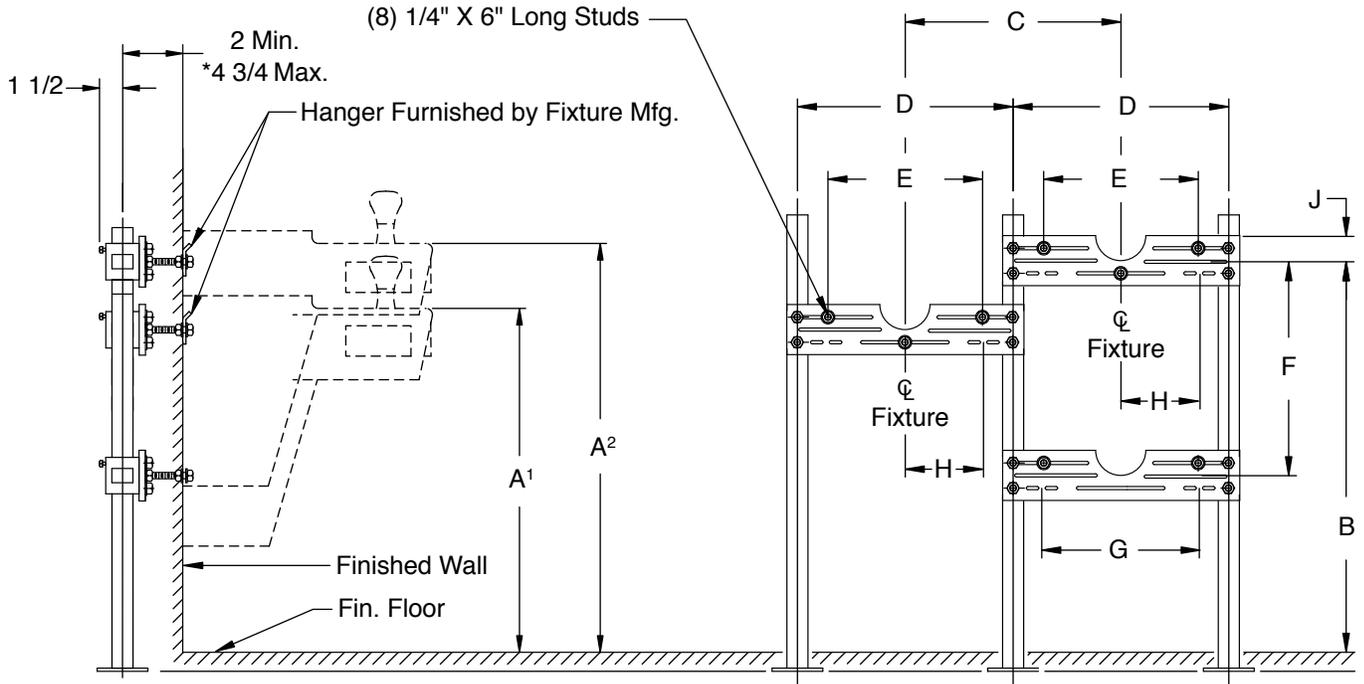


MEMBER OF:



LOCATION

FIXTURE SUPPORT FLOOR MOUNTED TYPE
 WITH SUPPORT PLATES AND FIXTURE MOUNTING STUDS
 FOR TWO WALL MOUNTED ELECTRICAL WATER COOLERS



BASE DETAIL

FIXTURE MANUFACTURER		NUMBER							
A ¹	A ²	B	C	D	E	F	G	H	J

NOTE: Uses 70085-86-6 Universal Support Plates - 3 required.

NOTE: *This dimension can be increased when fixture support is to be installed behind the wall. (Specify when required and wall thickness).

NOTE: The rough-in dimensions listed on this drawing are based on current information available to Jay R. Smith by the fixture manufacturers. We recommend that you verify these dimensions with the fixture manufacturer. We will not accept responsibility for rough-in dimension changes by the fixture manufacturer.

DRAWING NUMBER
S0834R

SIZE
A

SCALE:
NONE

DATE:
11-11-08

APPROVED BY:
AM

CHECKED BY:
AM

DRAWN BY:
RN

0834R

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT POUNDS	VOLUME CUBIC FEET

FIGURE NUMBER
0834R

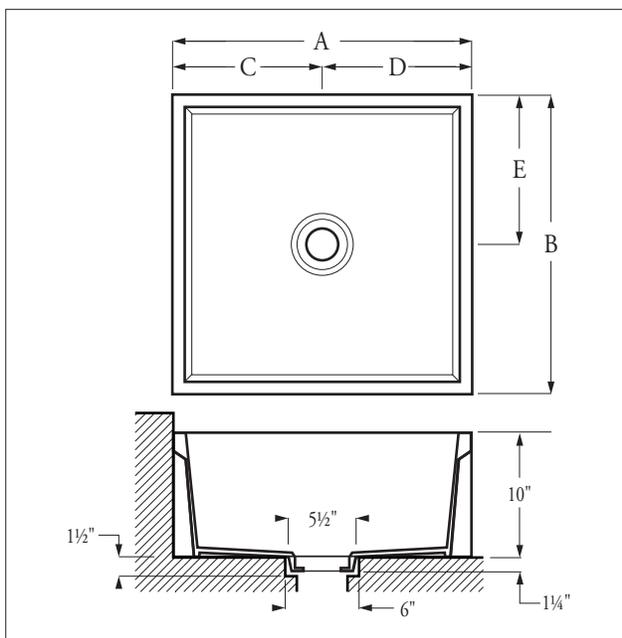


WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

JS-1



Molded one-piece construction for light weight and easy handling. Supplied with Wedge-Lok™ seal, integral drain and chrome strainer.



Model	A	B	C	D	E	WT.
→ MSR-2424	24"	24"	12"	12"	12"	50
MSR-3624	36"	24"	18"	18"	12"	72

Standards:

- I.A.P.M.O. International Association of Plumbing and Mechanical Officials File No. 2646.
- ANSI American National Standards Institute - Specifications Z-124.6.
- HUD/FHA National Specifications UN-73.
- CSA TEST Warnock Hersey Listed: CAN / CSA - B45.0 - CAN / CSA - B45.5



Florestone Models MSR-2424/MSR-3624 Molded Mop Receptors

Architect's Specifications

Furnish and install molded Mop Receptor Model MSR-2424 / MSR-3624 (specify) as manufactured by Florestone Products Co. Molding will be done under heat and pressure using matched metal dies. The unit will be one piece with no seams. Shoulders will be no less than 1" wide and 9½" inside. Receptor will have ribbed underbody and integral drain providing for a no-caulked connection to be 2" or 3" ABS, PVC, cast iron or steel pipe (specify drain size). Drain grid will be 18-gauge stainless steel, flat type, #430.

Molded mop sinks are supplied with Wedge-Lok® seal for use on ABS, PVC, cast iron or steel pipe.



FLORESTONE PRODUCTS CO., INC.

2851 Falcon Drive • Madera, CA 93637
 T. 559.661.4171 • T. 800.446.8827
 F. 559.661.2070 • florestone.com



Sink Faucet Wallmount

Rough Chrome Mop Sink Faucet & Hose
Accessories

Model No: 28T9

COMPLIES WITH:

- CSA certified
- IAPMO Listed
- ANSI/ASME A112.18.1M
- ASSE Standard 1001
- CSA B125
- CSA B64.1.1

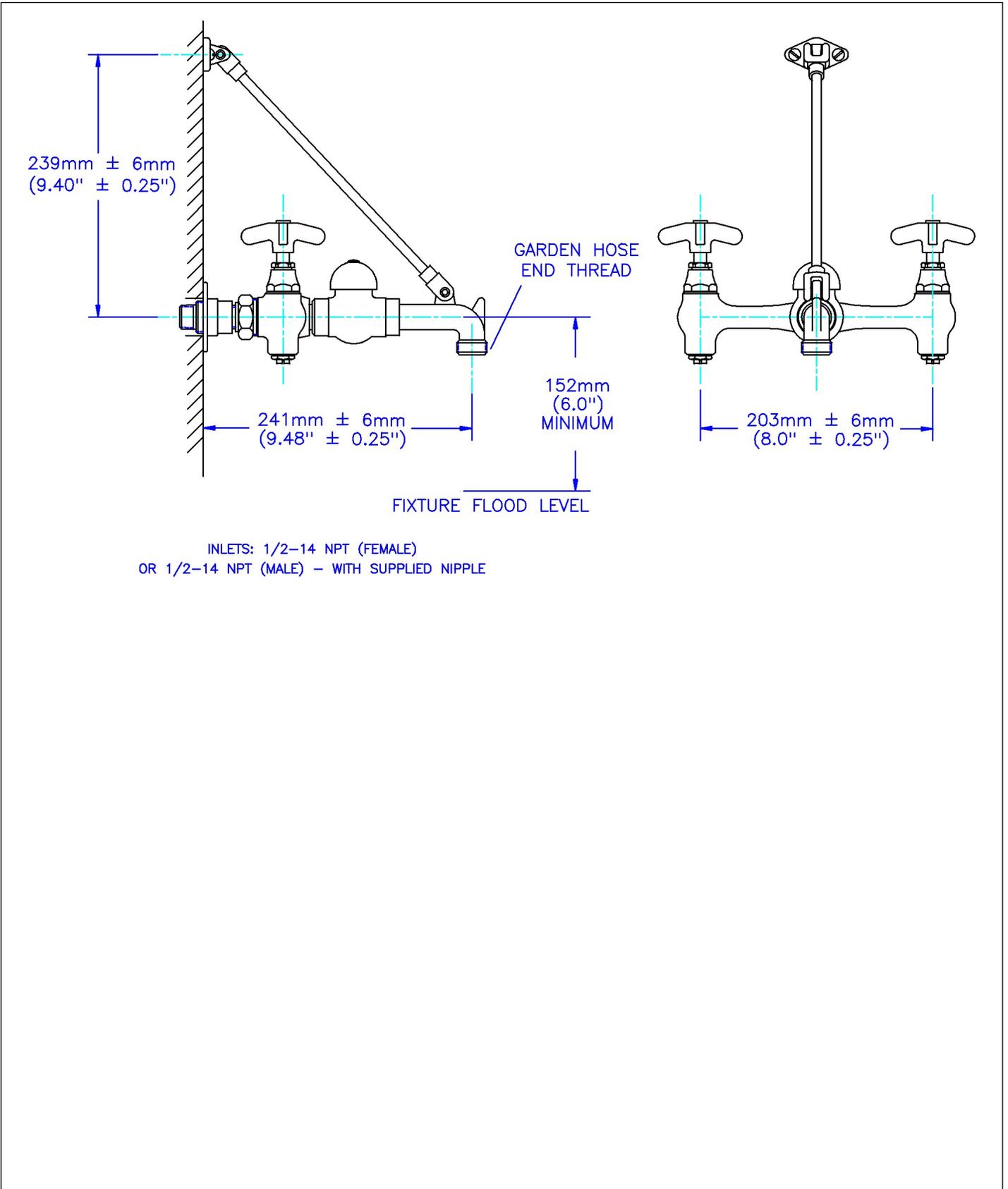
SPECIFICATION:

- 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

(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.

Delta Faucet Company - 55 East 111th St. - Indianapolis, Indiana, USA 46280 - (317) 848-1812
Delta Faucet Canada - 395 Matheson Blvd E - Mississauga, Ontario, Canada L4Z 2H2 - (905) 712-3030



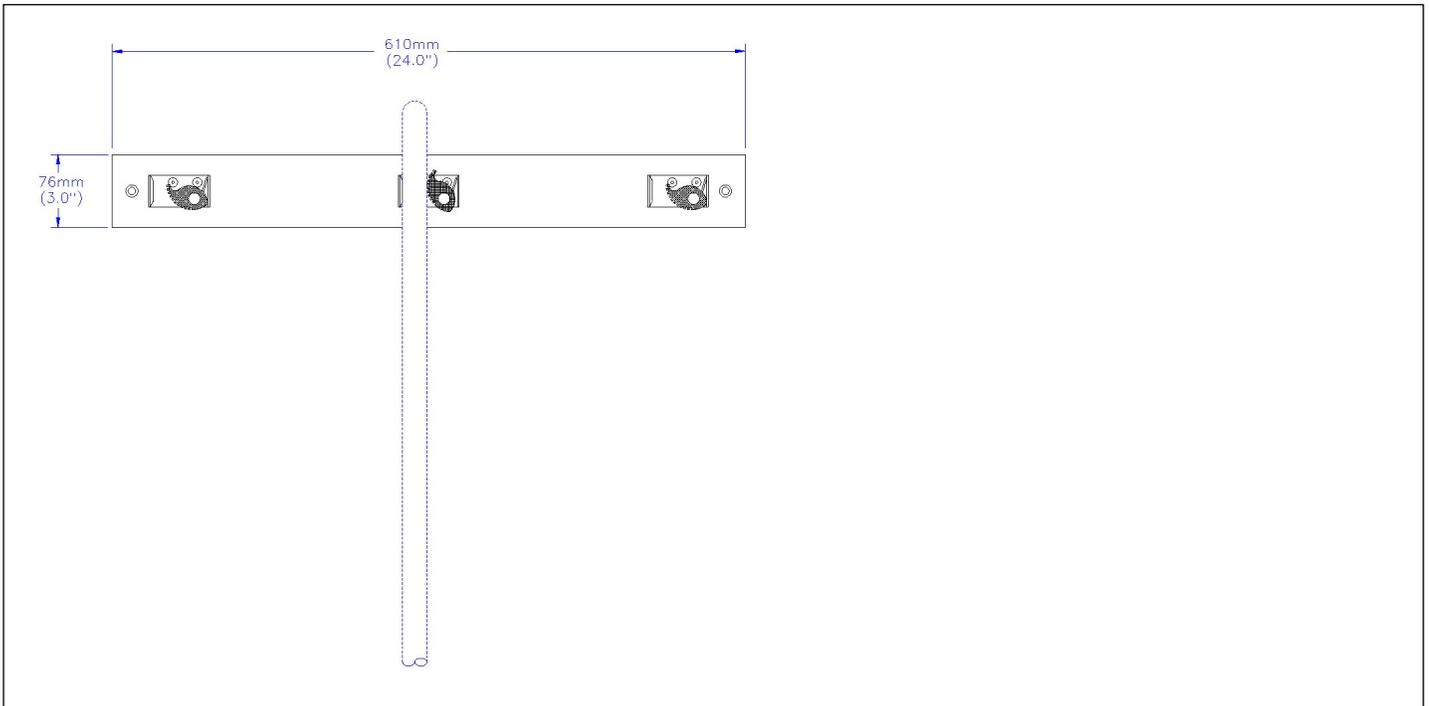
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Sink Faucet Wallmount

Rough Chrome Mop Sink Faucet & Hose
Accessories

Model No: 28T910



SPECIFICATION:

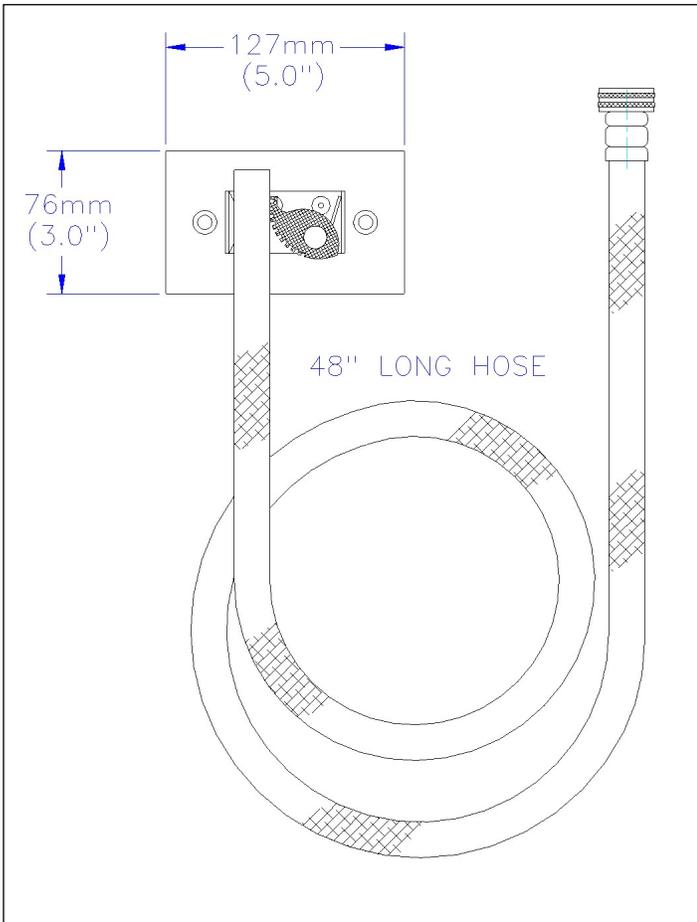
- Stainless steel mop hanger,
- 76mm x 610mm(3" X 24"),
- 3 spring loaded rubber grip holders.

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.

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Delta Faucet Canada - 395 Matheson Blvd E - Mississauga, Ontario, Canada L4Z 2H2 - (905) 712-3030

Sink Faucet Wallmount Rough Chrome Mop Sink Faucet & Hose Accessories

Model No: 28T911



SPECIFICATION:

- Heavy duty 1219mm(48") long reinforced hose,
- brass coupling,
- stainless steel hanger bracket,
- 76mm x 102mm(3" x 5"),
- with rubber grip

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.

Delta Faucet Company - 55 East 111th St. - Indianapolis, Indiana, USA 46280 - (317) 848-1812
Delta Faucet Canada - 395 Matheson Blvd E - Mississauga, Ontario, Canada L4Z 2H2 - (905) 712-3030

SW *Splash Catcher*[®] BACK PANELS

Avoid complaints about damaged
or deteriorating wallboard.

Add "BP" to your mop sink specifications.

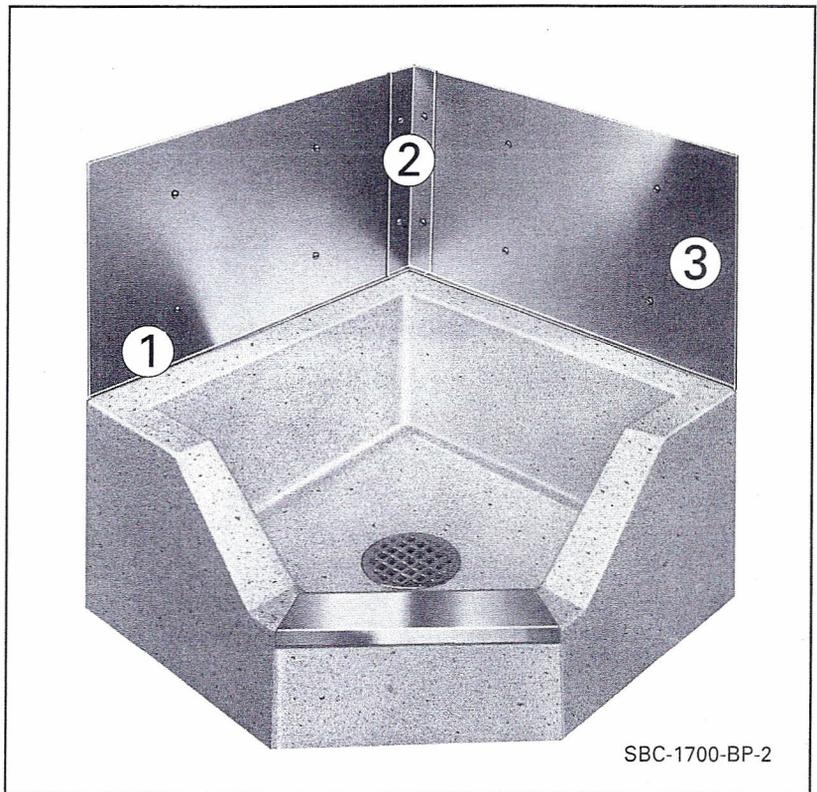
STERN-WILLIAMS
Stainless Steel panels
cover the critical
12 inches of wallboard
just above the mop sink.

The unfinished wallboard being used
in maintenance closets today
cannot withstand the conditions
that exist there. But you can
prevent problems before they begin.

TO SPECIFY:

Add suffix "BP" to the Stern-Williams
model number, along with the number of
walls. For example, Corlow corner model
with front drop is "SBC-1700-BP-2"

Panel material is type 304, 20-gauge
Stainless Steel, meeting Commercial
Standard CS-243-62.



1. Channel water into the mop sink, protecting the face of the wallboard against splashing, and protecting the raw lower edge against seepage.
2. Cover and protect the seam-taped corners, preventing loosening and curling of seam tape.
3. Protect wallboard against the impact of equipment and the carelessness of maintenance workers.

Stern-Williams is your most complete source for mop sinks and accessories.

We produce mop sinks. We help you avoid problems.

STERN-WILLIAMS CO., INC. • P.O. Box 8004 • Shawnee Mission, Kansas 66208 USA
Telephone: (913) 362-5635 • Fax: (913) 362-6689 • Web address: www.sternwilliams.com

SH-1

Oasis Ramped Threshold, Roll-In Type Shower Compartment With (2010 ADA Compliant) 2-Side Horizontal Bars And Folding Seat Package



Specification – Oasis one-piece FRP gelcoat shower compartment SHFW-6235, having a 60 x 30-inch minimum clear interior dimension and 7/16-inch high maximum finished threshold with floor attachment flange on lower threshold. A factory-equipped package, in compliance with 2010 ADA Standards & ICC/ANSI A117.1-2009 for Accessible Design, shall include a horizontal bar across the side wall opposite the seat wall and back wall, a folding seat, and shower curtain rod.

Standards Certification:

The shower compartment listed is manufactured in compliance with ANSI Z124 Standards, and certified through an ongoing, independent quality assurance and testing program.

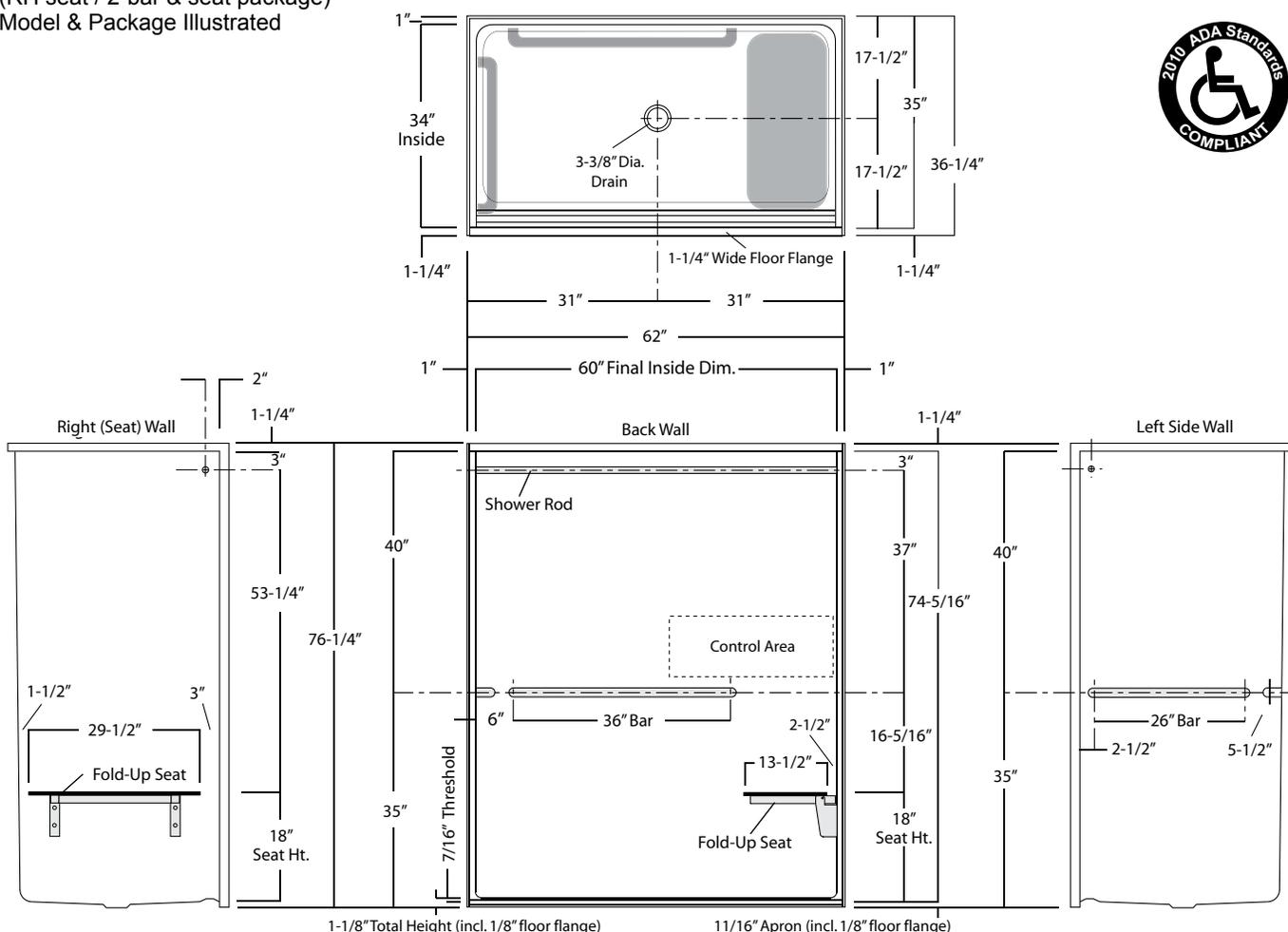
The factory-applied grab bars and seat package are installed in compliance with 2010 ADA Standards for Accessible Design and ICC / ANSI A117.1 Standards, and certified through an independent review program.

Oasis

SHFW-6235 / ADA / TL-RS
(RH seat / 2-bar & seat package)
Model & Package Illustrated



Home Innovation
LAB CERTIFIED™



Dimensions shown are maximum. Due to the nature of the materials involved, actual unit dimensions can vary (tolerances: +/- 1/8 inch). Oasis reserves the right to modify or discontinue product and/or associated equipment without prior written or verbal notification or obligation.

Model ID	Package Code	Description (define configuration referencing seat side)
SHFW-6235	/ ADA/TL-RS (right seat)	60" x 30" minimum interior, center drain, ramped 7/16-inch threshold shower with a 1.50" dia. stainless steel 2-bar and seat package (horizontal back & opposite seat wall bars with folding seat) and shower curtain rod.
SHFW-6235	/ ADA/TL-LS (left seat)	

DELETE / SHWR ROD-SH Delete shower curtain rod from package. (DOES NOT compromise compliance).

Option: CRT-48/60 Site installed, white, 150 denier fabric, bottom weighted shower curtain with integrated rings.

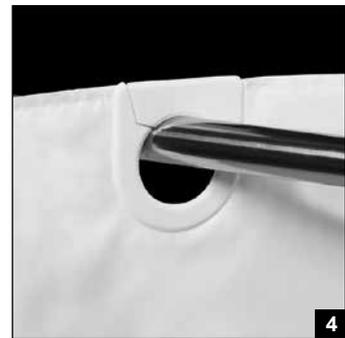
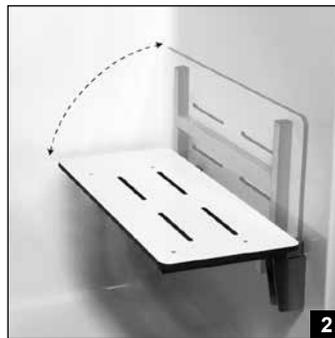
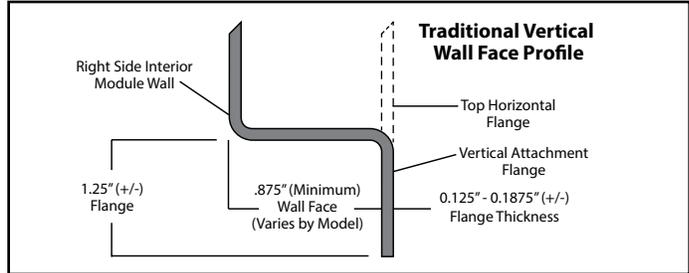
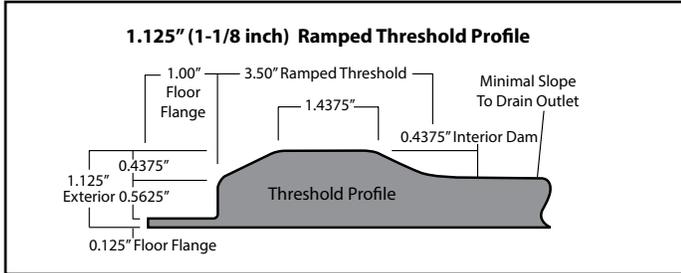


Photo 1: Grab Bars: Factory-installed 1.50-inch diameter, concealed attachment, 18 gauge, #304 brushed stainless steel grab bars. Concealed attachment design provides tamper-resistance and minimizes debris collection areas at contact points, compared to common exposed flange bar designs, without compromising bar attachment integrity. (Reinforced areas include a structural core material encapsulated in FRP composite.)

Photo 2: Shower Bench Seat: Factory-installed shower bench seat with non-porous, high-pressure laminate upper and lower surfaces, fused to high-density phenolic core. The seat area secures to an 18 gauge, #304 stainless steel framework, and easily pivots upward to store along the wall without supplemental fasteners. Heavy-duty wall (hinge) bracket design eliminates supplemental legs and is formed from 10 gauge, #304 brushed stainless steel. (Reinforced area includes a structural core material encapsulated in FRP composite.)

Photo 3: Shower Curtain Rod: Factory-installed 1.00-inch diameter, concealed attachment, 18 gauge, stainless steel shower curtain rod with polished finished.

Photo 4: Shower Curtain: White, 150 denier fabric, bottom weighted shower curtain with integrated rings.

Available Factory Installed Packages (model available without any component or reinforcement packages)

Component Packages:

- 1. ANS17 package code: 2-wall, 3-bar package with phenolic folding RH or LH seat & shower rod, based on ANSI-2017
- 2. ADA/TL package code: 2-wall, 2-bar package with phenolic folding RH or LH seat & shower rod, based on ADA-2010
- 3. ADA-RI package code: 3-wall, 3-bar package and shower rod, based on ADA-2010 & ANSI-2017
- 4. 2BAR & 3BAR package code: 2-wall, 2-bar or 3-bar packages with RH or LH seat reinforcement

Reinforced ONLY Packages:

- 5. FH package code: reinforcement for horizontal bars, based on HUD/FHA-Fair Housing
- 6. TLRF-RS/LS & TLVRF-RS/LS pkg codes: replicating "ADA" & "ANSI" component packages with single seat reinforcement
- 7. TLRF-DS package code: replicating "ADA" & "ANSI" package with dual seat reinforcement
- 8. 3SM & 3SF package codes: expanded reinforcement packages, (with or without package components)

SHOWER MODULE DRAIN

» 827 & 828 SERIES

SPECIFICATION

Sioux Chief 827 or 828 series shower module drain shall be used where necessary in drainage systems. Shower drain shall have an outer locknut design with compression gasket connection for Sch. 40 ABS/PVC pipe. Snap-in strainer shall meet all applicable load and flow requirements for intended use. Designed in accordance with ASME A112.18.2-2005/CSA B125.2-05.

MATERIALS

Strainer: Stainless steel

Body, locknut, compression nut:

827 SERIES: Brass

828 SERIES: Glass-filled polypropylene

Washers: Rubber, polyethylene

Compression gasket: Elastomer

STRAINER LOAD RATING

300 lbs. (19 gauge)

STRAINER FREE AREA

3.25 in²

FLOW RATE*

4.5 GPM

DIMENSIONS

A: Connection 2" Sch. 40 compression gasket

B: Top diameter 4¹/₄"

C: Overall height 2"

* Flow rate at which water in drain area does not exceed 0.375"

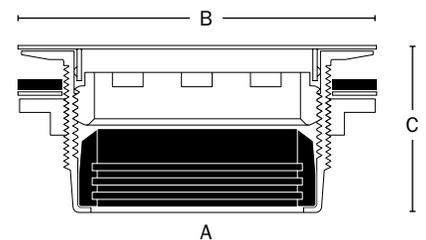
ITEM # SUBMITTED	_____
JOB NAME	_____
LOCATION	_____
ENGINEER	_____
CONTRACTOR	_____
PO#	_____ TAG _____



827-2B ←



828-2



Choose Item Number

827-2B = Brass model

828-2 = Polypro model



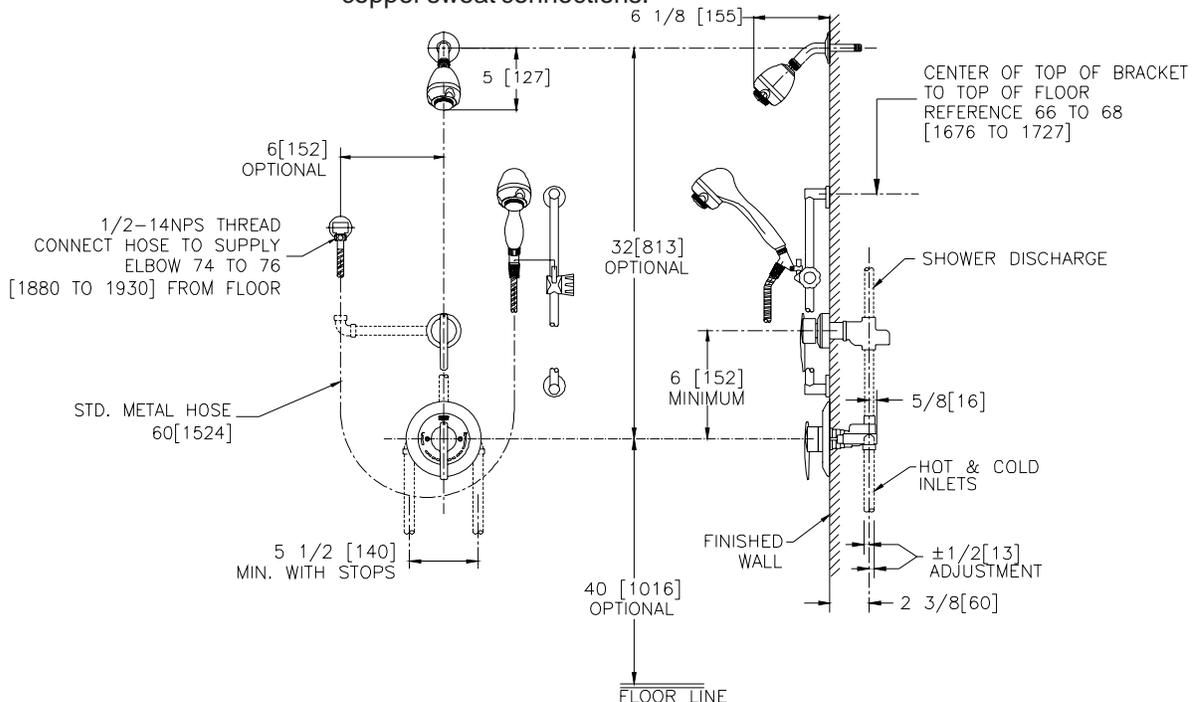
TEMP-GARD SHOWER UNIT

Z7101-SS-LH-DV2P-HW

TAG

ENGINEERING SPECIFICATIONS: ZURN Z7101-SS-LH-DV2P-HW

Single handle pressure balancing mixing shower unit, with single bronze stem, stainless steel balancing piston integral with stem assembly, metal lever handle, integral service stops, and brass adjustment limit stop screw in cap. Complete with double seal packing, adjustable brass packing nut, and removable brass seats; all exposed trim with polished nickel chrome plated surface. Valve supplied with two-way brass diverter valve, 2.5 gpm hand/wall shower head, 60"[1524mm] flexible metal hose, 24"[610mm] mounting slide bar wall connection, standard 2.5 gpm -S1 shower head, arm, and wall flanges. The valve inlets and shower outlet are 1/2" female copper sweat connections.



Note: All dimensions are for reference only. Do not use for pre-plumbing

OPTIONS (Check/specify appropriate options) Use with Z7000 prefix

STANDARDS

Suffix	Description
___ -BC	Back Connections (1/2") (For 90° Installations), Shipped as Loose Adaptors, to be Installed in the Field
___ -CC	Conversion Cover Plate
___ -DT	Dial Thermometer
___ -IP	1/2" Female Threaded Connection, Shipped as Loose Adaptors, to be Installed in the Field
___ -MT	Metal Cover, Escutcheon & Stem Handle
___ -QD	Quick Disconnect In-Line Hose Connector
___ -RC	Reverse Connections (For Back-to-Back Installations)
___ -SC	Pair of Dual Spring Check Valves
___ -STH	ABS Chrome Plated Handle with Screw and Button
___ -VB	In-Line Vacuum Breaker
___ -WF	Wall Mounting Flange For Fiberglass or Panel Wall Installation

Tested to meet the following standards for valves and plumbing fittings:
 ASSE Standard No. 1016
 CSA Standard B125-M89
 Shower heads meet ANSI A112.18.1
 Meets or Exceeds ANSI A117.1M standard for physically handicapped



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

SH-2

Oasis Ramped Threshold, Transfer Shower Compartment With (2010 ADA Standards) Horizontal Bar And Folding Seat Package



Specification – Oasis one-piece FRP gelcoat shower compartment SHFW-3837, having a 36 x 36-inches clear interior dimension and ½-inch high maximum finished threshold with floor attachment flange on lower threshold. A factory-equipped package, in compliance with 2010 ADA Standards for Accessible Design, shall include a horizontal interior corner bar across control wall and continuing on back wall, a folding seat opposite control wall and shower curtain rod.

Standards Certification:

The shower compartment listed is manufactured in compliance with ANSI Z124 Standards, and certified through an ongoing, independent quality assurance and testing program.

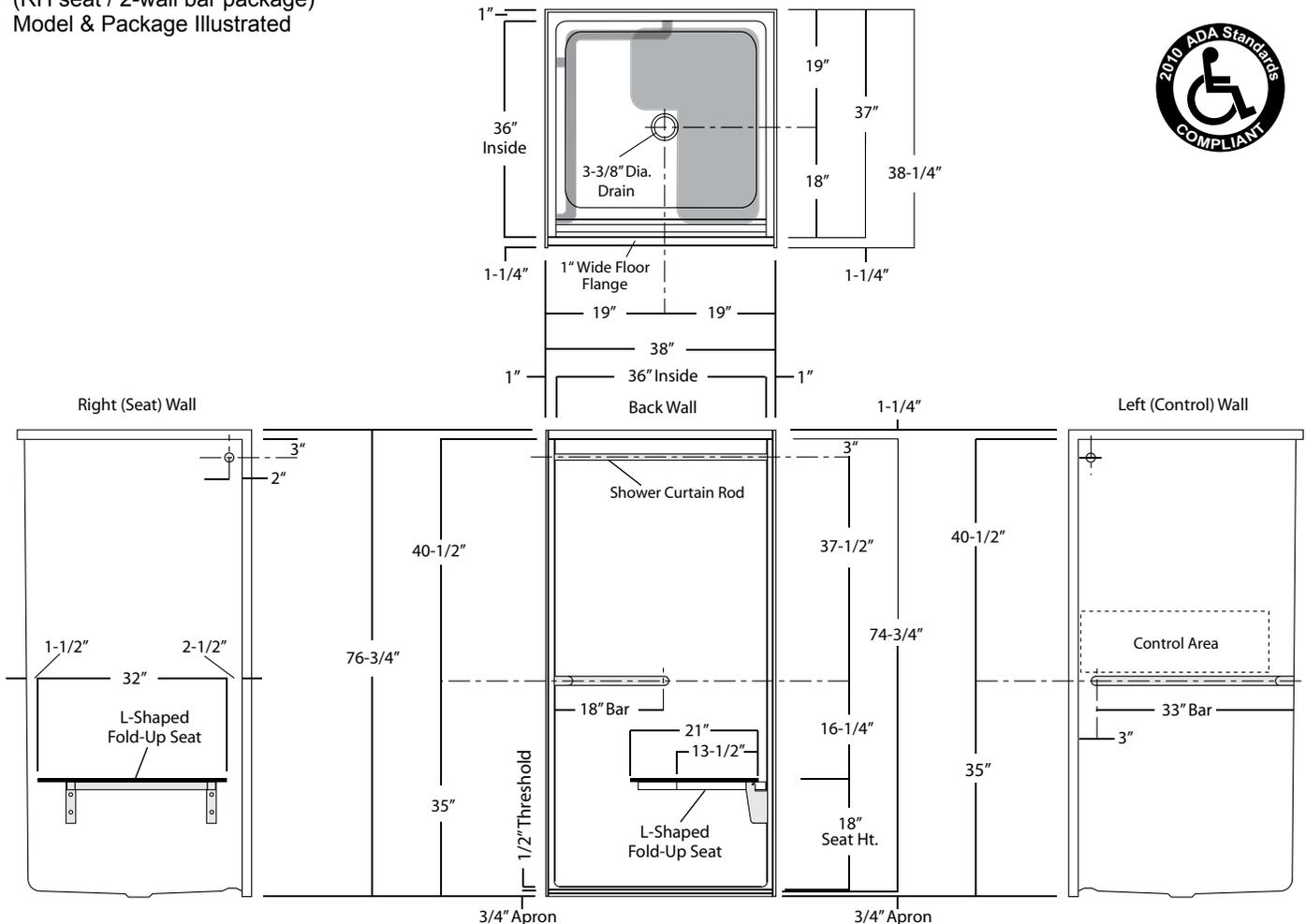
The factory-applied bar and seat package are installed in compliance with 2010 ADA Standards for Accessible Design, and certified through an independent review program.



SHFW-3837 / ADA10-RS
(RH seat / 2-wall bar package)
Model & Package Illustrated



Home Innovation
LAB CERTIFIED™



Dimensions shown are maximum. Due to the nature of the materials involved, actual unit dimensions can vary (tolerances: +0 / -3/8 inch). Oasis reserves the right to modify or discontinue product and/or associated equipment without prior written or verbal notification or obligation.

Model ID	Package Code	Description (define configuration referencing seat side)
SHFW-3837	/ ADA10-RS (right seat)	36" x 36" interior, center drain, ramped 1/2-inch threshold shower and 1.50" dia. stainless steel single inside corner bar & folding seat package (seat opposite control wall).
SHFW-3837	/ ADA10-LS (left seat)	

DELETE / SHWR ROD-SH Delete shower curtain rod from package. (DOES NOT compromise compliance).

Option: CRT-36 Site installed, white, 150 denier fabric, bottom weighted shower curtain with integrated rings.

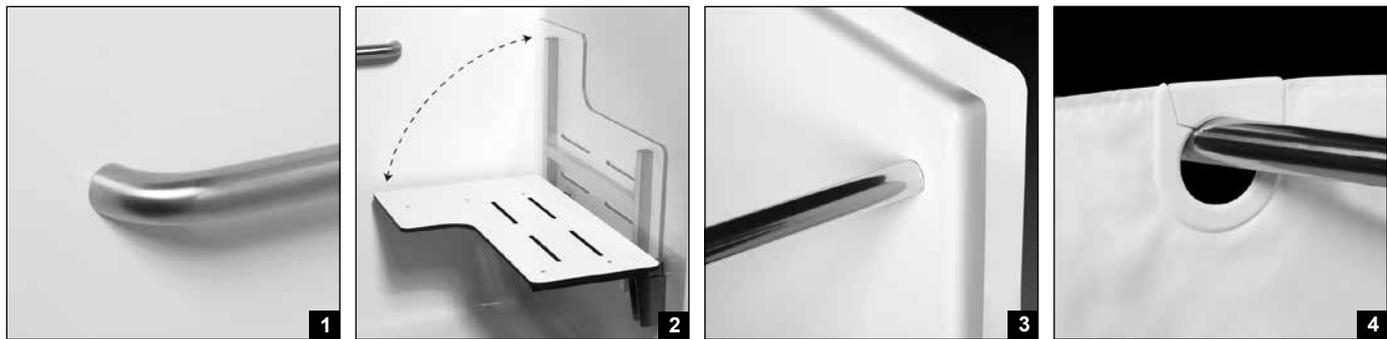
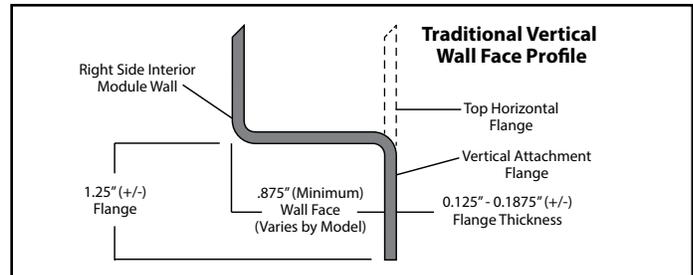
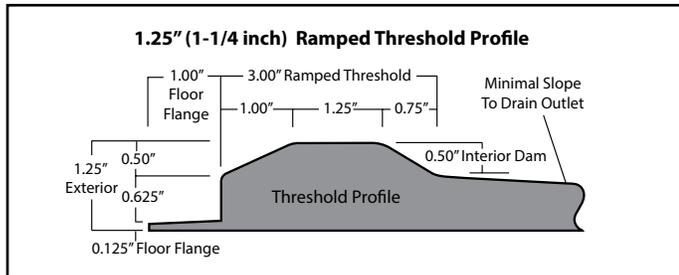


Photo 1: Grab Bars: Factory-installed 1.50-inch diameter, concealed attachment, 18 gauge, #304 brushed stainless steel grab bars. Concealed attachment design provides tamper-resistance and minimizes debris collection areas at contact points, compared to common exposed flange bar designs, without compromising bar or attachment integrity. (Reinforced areas include a structural core material encapsulated in FRP composite.)

Photo 2: L-Shaped Shower Seat: Factory-installed L-shaped shower seat with non-porous, high-pressure laminate upper and lower surfaces, fused to high-density phenolic core. The seat area secures to an 18 gauge, #304 stainless steel framework, and easily pivots upward to store along the wall without supplemental fasteners. Heavy-duty wall (hinge) bracket design eliminates supplemental legs and is formed from 10 gauge, #304 brushed stainless steel. (Reinforced area includes a structural core material encapsulated in FRP composite.)

Photo 3: Shower Curtain Rod: Factory-installed 1.00-inch diameter, concealed attachment, 18 gauge, stainless steel shower curtain rod with polished finished.

Photo 4: Shower Curtain: White, 150 denier fabric, bottom weighted shower curtain with integrated rings.

Available Factory Installed Packages (model available without any component or reinforcement packages)

Component Packages:

- ANS17 package code: 2-wall, 2-bar package (1-vertical bar) with phenolic folding RH or LH seat & shower rod, based on ANSI-2017
- ADA10 package code: 2-wall, 2-bar package with phenolic folding RH or LH seat & shower rod, based on ADA-2010
- 2BAR package code: 2-wall, 2-bar package (1-vertical bar) with RH or LH seat reinforcement
- ICBAR package code: 2-wall, single-bar package with RH or LH seat reinforcement

Reinforced ONLY Packages:

- FH-RS/LS package code: reinforcement for horizontal bars & RH or LH seat, replicating ADA package
- FHV-RS/LS package code: reinforcement for a vertical bar, horizontal bars & RH or LH seat, replicating ANS package
- FHV-DS package code: reinforcement for vertical & horizontal bars, RH & LH seat, replicating ANS package
- 3SM & 3SF package codes: expanded reinforcement packages, (with or without package components)

SHOWER MODULE DRAIN

» 827 & 828 SERIES

SPECIFICATION

Sioux Chief 827 or 828 series shower module drain shall be used where necessary in drainage systems. Shower drain shall have an outer locknut design with compression gasket connection for Sch. 40 ABS/PVC pipe. Snap-in strainer shall meet all applicable load and flow requirements for intended use. Designed in accordance with ASME A112.18.2-2005/CSA B125.2-05.

MATERIALS

Strainer: Stainless steel

Body, locknut, compression nut:

827 SERIES: Brass

828 SERIES: Glass-filled polypropylene

Washers: Rubber, polyethylene

Compression gasket: Elastomer

STRAINER LOAD RATING

300 lbs. (19 gauge)

STRAINER FREE AREA

3.25 in²

FLOW RATE*

4.5 GPM

DIMENSIONS

A: Connection 2" Sch. 40 compression gasket

B: Top diameter 4¹/₄"

C: Overall height 2"

* Flow rate at which water in drain area does not exceed 0.375"

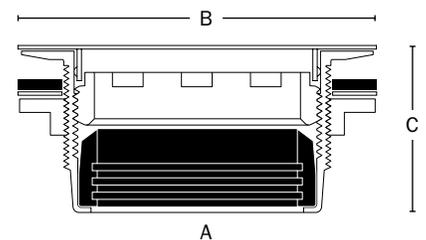
ITEM # SUBMITTED	_____
JOB NAME	_____
LOCATION	_____
ENGINEER	_____
CONTRACTOR	_____
PO#	_____ TAG _____



827-2B ←



828-2



Choose Item Number

827-2B = Brass model

828-2 = Polypro model



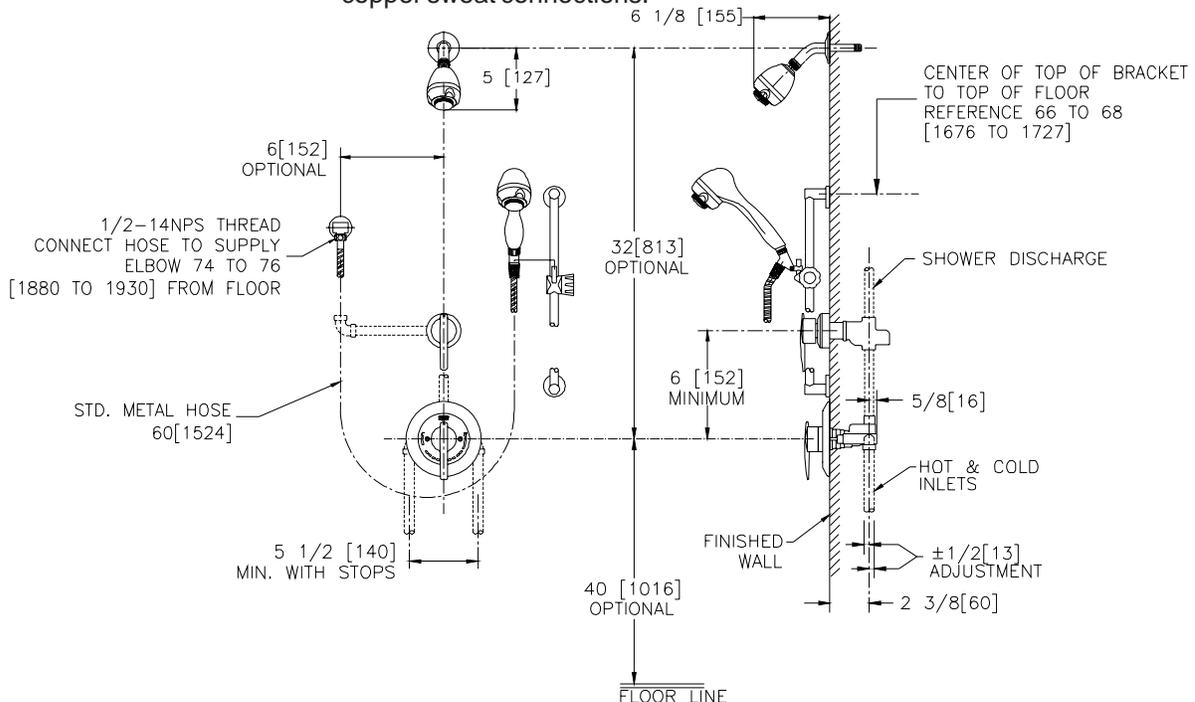
TEMP-GARD SHOWER UNIT

Z7101-SS-LH-DV2P-HW

TAG

ENGINEERING SPECIFICATIONS: ZURN Z7101-SS-LH-DV2P-HW

Single handle pressure balancing mixing shower unit, with single bronze stem, stainless steel balancing piston integral with stem assembly, metal lever handle, integral service stops, and brass adjustment limit stop screw in cap. Complete with double seal packing, adjustable brass packing nut, and removable brass seats; all exposed trim with polished nickel chrome plated surface. Valve supplied with two-way brass diverter valve, 2.5 gpm hand/wall shower head, 60"[1524mm] flexible metal hose, 24"[610mm] mounting slide bar wall connection, standard 2.5 gpm -S1 shower head, arm, and wall flanges. The valve inlets and shower outlet are 1/2" female copper sweat connections.



Note: All dimensions are for reference only. Do not use for pre-plumbing

OPTIONS (Check/specify appropriate options) Use with Z7000 prefix

STANDARDS

Suffix	Description
___ -BC	Back Connections (1/2") (For 90° Installations), Shipped as Loose Adaptors, to be Installed in the Field
___ -CC	Conversion Cover Plate
___ -DT	Dial Thermometer
___ -IP	1/2" Female Threaded Connection, Shipped as Loose Adaptors, to be Installed in the Field
___ -MT	Metal Cover, Escutcheon & Stem Handle
___ -QD	Quick Disconnect In-Line Hose Connector
___ -RC	Reverse Connections (For Back-to-Back Installations)
___ -SC	Pair of Dual Spring Check Valves
___ -STH	ABS Chrome Plated Handle with Screw and Button
___ -VB	In-Line Vacuum Breaker
___ -WF	Wall Mounting Flange For Fiberglass or Panel Wall Installation

Tested to meet the following standards for valves and plumbing fittings:
 ASSE Standard No. 1016
 CSA Standard B125-M89
 Shower heads meet ANSI A112.18.1
 Meets or Exceeds ANSI A117.1M standard for physically handicapped



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

HB-1

For Commercial Applications

Job Name _____

Item Designation _____

Job Location _____

Contractor _____

Engineer _____

Representative _____

Inlet: P-1/2__ P-3/4 __ CP __ C __

Finish: CH __ BR __ PC__

For Non Freezing Areas

Woodford Model 26

Backflow Protected Wall Faucet

The Model 26 is a backflow protected wall faucet designed for use in mild climate areas. The Model 26 is intended for irrigation purposes and is designed to blend in with modern architecture for installation on homes, service stations, churches, motels, drive-in restaurants, etc.

Features:

- EPDM Packing
- Adjustable brass packing nut
- Standard "O" size valve seat washer
- Polycarbonate wheel handle and loose tee key
 Optional: Metal wheel handle
- 4 inlet options

Specifications:

PATENTED HIGH FLOW DOUBLE CHECK BACKFLOW PREVENTER

- NIDEL® Model 50HF with 3/4 inch male hose thread
- ASSE Standard 1052 approved
- Field Testable
- Two Independent Check Valves
- Drains automatically when hose is removed
- No spray back
- **Maximum Working Pressure:** 125 p.s.i.
- **Maximum Temperature:** 120° F

Specify as follows:

Wall faucet shall be a Woodford Model 26 for non-freezing areas with ASSE 1052 approved NIDEL® Model 50HF high flow double check backflow preventer. 3/4" hose connection (specify type of inlet). Exterior finish to be Chrome Plated (options: Rough Brass or Polished Chrome). Loose tee key to be furnished with each faucet. Intended for irrigation purposes. Inlet Type _____

Model & Inlet



26P-1/2
1/2" FPT



26CP
Combination
1/2" Copper Tube
1/2" MPT



26C
Combination
1/2" Copper Tube
3/4" Copper Tube



26P-3/4
3/4" FPT

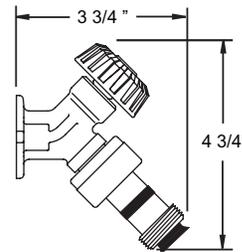


Optional Tee Key
Included

Exterior Finish:

Standard - Chrome (CH)
Optional - Rough Brass (BR) or Polished Chrome (PC)

Rough-In Dimensions - Typical



WOODFORD MANUFACTURING COMPANY, LLC

2121 WAYNOKA ROAD
COLORADO SPRINGS, CO 80915
Phone (800) 621-6032
Website: www.woodfordmfg.com
Email: sales@woodfordmfg.com

FPWH-1

For Commercial Applications

Job Name _____ Item Designation _____

Job Location _____ Contractor _____

Engineer _____ Representative _____

Wall Thickness: _____ Inlet: P__ C__ (P1__ EP__ *MADE TO ORDER, NO RETURN*) Finish: CH__ BR__ PB__

Woodford Model 67

Backflow Protected Automatic Draining Freezeless Wall Hydrant

The Model 67 is an automatic draining, freezeless wall hydrant with hose connection Backflow Protection. The hydrant drains as handle is shut off, *even if hose is attached*. The Model 67 is intended for irrigation purposes and is designed to blend in with modern architecture for installation on restaurants, schools, office buildings, churches, apartments, motels, stores, shopping centers and industrial buildings.

Sizes: 4" - 24" (in 2" increments)
CC (Close Coupled) for non-freezing climates

Features:

- Drain port under nozzle diverts water away from building
- Red Brass head & valve body
- 3/8" solid brass operating rod
- Copper casing tubes
- Hardened stainless steel operating stem
- One piece valve plunger
- 4 inlet options
- Loose tee key operation
- No Lead Solder - All joints
- Supplied with adjustable wall clamp

Specifications:

PATENTED HIGH FLOW DOUBLE CHECK BACKFLOW PREVENTER

- NIDEL® Model 50HA with 3/4 inch male hose thread
- ASSE Standard 1052 approved 
- Field Testable
- Two Independent Check Valves
- Drains automatically when hose is removed
- No spray back

- **Maximum Working Pressure:** 125 p.s.i.
- **Maximum Temperature:** 120° F

Specify as follows:

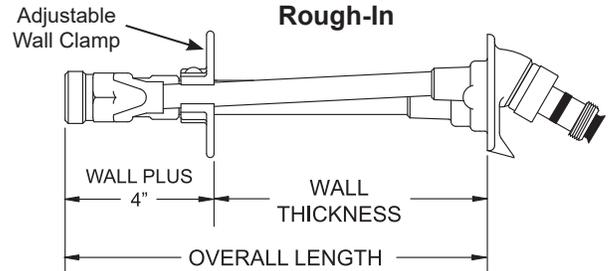
Wall hydrant shall be Woodford Model 67, automatic draining with ASSE 1052 approved NIDEL® Model 50HA high flow double check backflow preventer. 3/4" inlet and outlet (specify type of inlet). Hardened stainless steel operating stem and one-piece valve plunger to control both flow and drain functions. Exterior finish to be Chrome Plated (options: Polished Brass or Rough Brass). Loose tee key to be furnished with each hydrant. Intended for irrigation purposes. Wall thickness to be _____ inches.



Exterior Finish:

Standard - Chrome (CH)

Optional - Brass (BR) Polished Brass (PB)
Fits one standard modular brick course.



Overall Length = Wall Thickness + Inlet
Close Coupled Overall Length = 5"

Inlet Options

- P - 3/4" Female Pipe Thread
- P1 - 1" Male Pipe Thread
- C - 3/4" Copper Water Tube
- EP - Union Elbow with 3/4" Male Pipe Thread



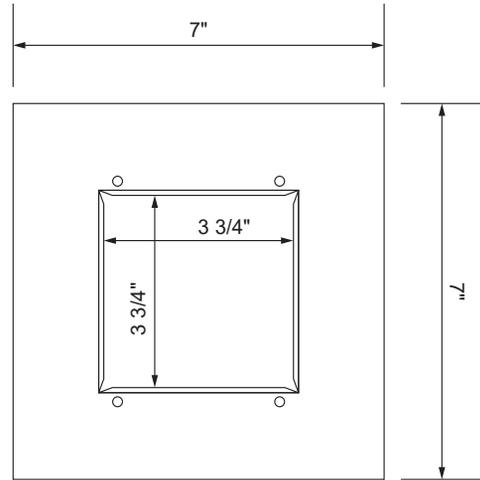
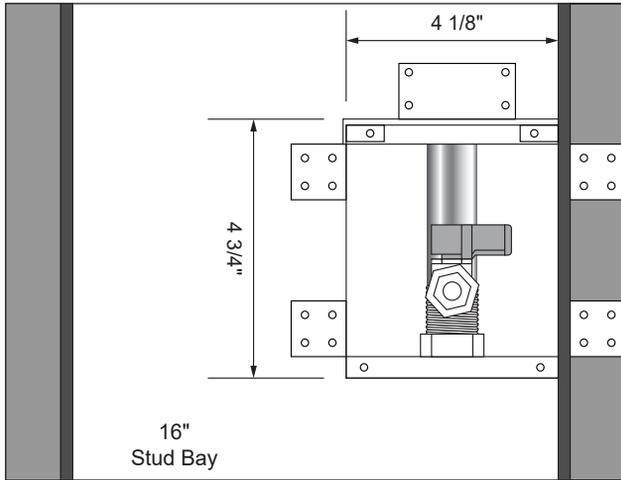
WOODFORD MANUFACTURING COMPANY, LLC

2121 WAYNOKA ROAD
COLORADO SPRINGS, CO 80915
Phone (800) 621-6032
Website: www.woodfordmfg.com
Email: sales@woodfordmfg.com

UC-1



**White Powder Coated Ice Maker Outlet Box
With Lead Free Hammer Arrester Valves**



Specifications:

Furnish and install recessed, white powder-coated ice maker outlet box with a brass quarter turn hammer arrester valve. Unit shall be Guy Gray™ product code checked below as manufactured by IPS Corporation.

Box Material:

The box and faceplate are 20 gauge white powder-coated cold rolled steel.

Valve Options:

The brass quarter turn valves shall comply with NSF61, NSF/ANSI 372, and ASME A112.18.1/CSA B125.1 and shall feature white handle and check-mark logo for easy Lead-Free identification. Hammer arrester shall comply with ASSE 1010.

Item #	Product Description	Model #	Units/Case
→ 88531	Qtr-turn Arrester Valve, 1/2" Sweat Conx.	MIB1HAAB	5
88533	Qtr-turn Arrester Valve, 1/2" CPVC Conx.	MIB2HAAB	5
88513	Qtr-turn Arrester Valve, 1/2" F1807 Conx	MIB3HAAB	5
88515	Qtr-turn Arrester Valve, 1/2" F1960 Conx.	MIB4HAAB	5
90254	Replacement Faceplate Metal IMOB (7" x 7") 20 Ga. Steel	7063	1



500 Distribution Parkway, Collierville, TN 38017 ▪ Phone: 800-888-8312 ▪ Fax: 901-853-5008 ▪ www.ipscorp.com

FS-1

R

SMITH® JAY R. SMITH MFG. CO.®
 MEMBER OF MORRIS GROUP INTERNATIONAL
 POST OFFICE BOX 3237
 MONTGOMERY, ALABAMA 36109-0237 (USA)
 TEL: 334-277-8520 FAX: 888-377-7818 www.jrsmith.com



LOCATION

DRAWING NUMBER
S3410

SIZE
A

SCALE:
NONE

DATE:
9-19-85

APPROVED BY:
SJM

CHECKED BY:
JD

DRAWN BY:
VGD

3410, 3411

FIGURE NUMBER

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

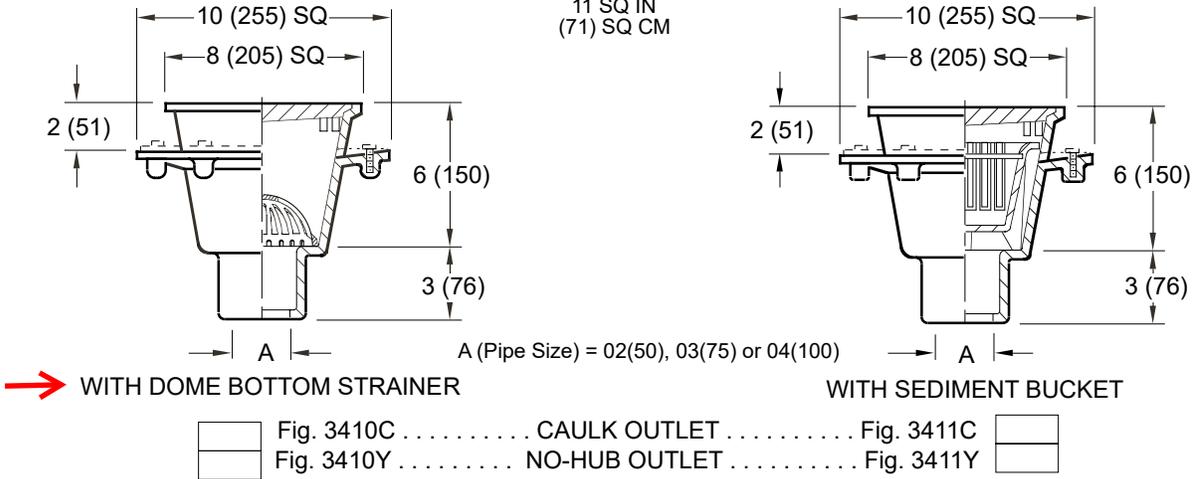
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

SANI-CEPTOR® ACID RESISTANT COATED FLOOR & INDIRECT WASTE DRAINS

A.R. COATED NON-TRAFFIC TOPS 8" (205) SQUARE TOP - MEDIUM RECEPTORS

Conforms to ASME A112.6.7/CSA B79.7

Free Area
11 SQ IN
(71) SQ CM



FEATURES, OPTIONS & ORDERING INFORMATION

REGULARLY FURNISHED: Cast Iron Flanged Receptor with Seepage Holes, Acid Resistant Coated Interior, and Loose Set Acid Resistant Coated Cast Iron Grate. Aluminum Dome Bottom Strainer or White ABS Sediment Bucket as Indicated by Figure Number.

VARIATIONS:

- Aluminum Flat Bottom Strainer -FBS
- Flashing Clamp -C ←
- Polished Aluminum Dome Bottom Strainer -PDBS
- L Speedi-Set® Service Weight ←
- LXH Speedi-Set® Extra Heavy
- S.S. Mesh Lined Bucket -BS
- Drain Installation Device -DID

OPTIONAL MATERIALS:

- All Duco Cast Iron Receptor and Grate -CI
- All Galvanized Receptor and Grate -G

NOTE: This grate is not recommended for any type of traffic including pedestrian traffic.

NOTE: Dimensions shown in parentheses are in millimeters.

OPTIONAL TOP GRATES AND COVERS FOR INDIRECT WASTE APPLICATIONS

SUFFIX NUMBER	DESCRIPTION
-10	Less A.R.C. Grate
-12	With A.R.C. 1/2 Grate
-13	With A.R.C. 3/4 Grate
-14	With A.R.C. Grate with 2 1/2" (64) DIA Center Hole
-15	With NB Rim and Aluminum Recessed Grate
-21	With A.R.C. Grate and 4" (100) DIA A.R.C. Funnel
-22	With A.R.C. Grate and 6" (150) DIA A.R.C. Funnel
-25	With A.R.C. Grate and 8 1/4(210) x 3 1/4(83) x 4 1/2"(115) High Oval A.R.C. Funnel
-26	With A.R.C. Grate and 6(150) x 2 1/2(64) x 1"(25) High Oval A.R.C. Funnel
-41	With A.R.C. Solid Cover
-42	With A.R.C. 1/2 Solid Cover
-44	With A.R.C. Solid Cover with 2 1/2" (64) DIA Center Hole

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
	4-19-24	Added ASME Note	HS	BW			3410, 3411
	2-21-24	Revised Variations	HS	CL			
	7-25-23	Removed Function	HS	CL			
	3-13-23	Added ® to Speedi-Set	KK	CL			

Location: _____



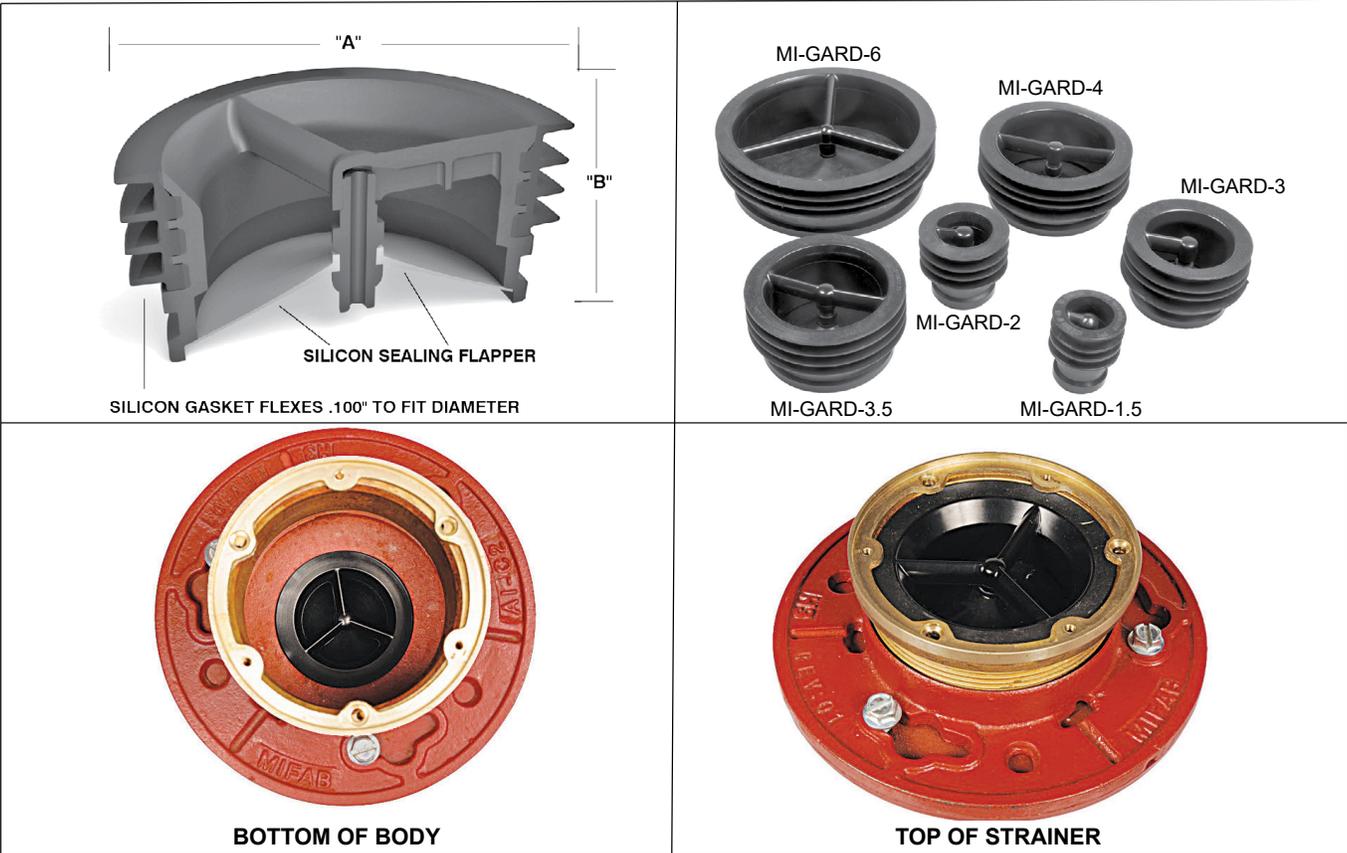
MI-GARD®

FLOOR DRAIN TRAP SEAL

Specification: MIFAB® MI-GARD® Series inline floor drain trap seal with UV resistant ABS plastic frame, silicon rubber sealing flapper and four flexible sealing ribs. Tested and certified to the ASSE 1072 Standard and listed with IAPMO and I.P.C. Specify connection size (1 1/2", 2", 3", 3 1/2", 4" or 6"). 10 year warranty is included.



Function: Used in the outlet connections of floor drain bodies, or the inside of floor drain strainers to seal the opening to prevent odors, sewer gases, and insects from entering up through the floor drain grate. The MI-GARD®'s four flexible silicone sealing ribs ensure easy installation into openings that have variations in size. The MI-GARD® will open to allow drainage and close when there is no water flow. MI-GARD can be used independent or in conjunction with trap seal primers for added protection against sewer gases and insects entering up through the floor drain grate. MI-GARD is not designed to substitute the trap seal primers.



MODEL NO.	"A" (PIPE SIZE)	"B" (HEIGHT)
MI-GARD-1.5	1-1/2" (38)	2" (51)
MI-GARD-2	2" (51)	2" (51)
MI-GARD-3	3" (76)	2" (51)
MI-GARD-3.5	3 1/2" (89)	2" (51)
MI-GARD-4	4" (102)	2" (51)
MI-GARD-6	6" (152)	2" (51)

MI-GARD® prevents the following from entering through the top of floor drains:

- Odors and sewer gases
- Insects

Not intended to be used in lieu of a trap seal primer. 6" MI-GARD not IAPMO certified.

Note: The MI-GARD-6 is designed in accordance with industry standards but is not listed. MI-GARD Floor Drain Trap Seals are in compliance with International Plumbing Code (I.P.C.)



MI-GARD-3,4 and 6 are I.C.C. approved.

MI-GARD-1.5

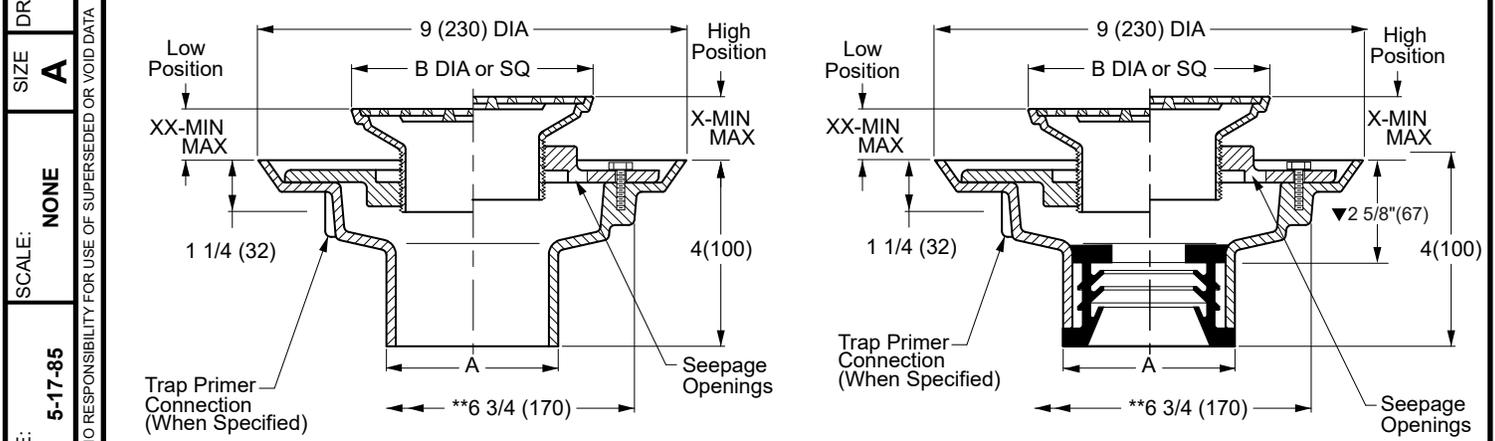
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Job Name: _____ Page No: _____
 Section No: _____ Contractor: _____
 Schedule No: _____ Purchase Order No: _____

FD-1

FLOOR OR SHOWER DRAINS WITH ADJUSTABLE STRAINER HEADS

Load Rating: Light Duty having a Safe Live (Static) Load less than 2,000 lbs. (900 kg) per ASME A112.6.3 Floor Drain Standard. For the specific Safe Live Load rating of any grate, contact the Smith representative or factory direct.



A (Pipe Size) = 02(50), 03(75), 04(100), 05(125) or 06(150)

- NO-HUB OUTLET**
- Fig. 2005Y.....(A) ROUND TOP
 - Fig. 2005Y.....(B) SQUARE TOP
- SPEEDI-SET® OUTLET**
- Fig. 2005L.....(A) ROUND TOP
 - Fig. 2005L.....(B) SQUARE TOP

Outlet Size	Nickel Bronze Strainer Head
▲ 02(50)	05(125) DIA or SQ
▲ 03(75)	06(150) DIA or SQ
▲ 04(100)	08(205) DIA or SQ

Strainer Size B	*Collar In High Position X		*Collar In Low Position XX		Free Area SQ IN (SQ CM)	
	MIN	MAX	MIN	MAX	ROUND	SQUARE
05 (125)	1 1/4(32)	2 1/4(57)	3/4(19)	1 5/8(41)	7(45)	6.5(42)
06 (150)	1 1/4(32)	2 1/4(57)	3/4(19)	1 5/8(41)	9(58)	12.5(81)
07 (180)	1 1/4(32)	2 1/4(57)	7/8(22)	1 7/8(48)	14(90)	11(71)
08 (205)	1 1/2(38)	2 1/2(64)	1(25)	1 7/8(48)	17(110)	14(90)
*09 (230)	1 1/2(38)	2 3/8(60)	1(25)	1 7/8(48)	18(116)	16(103)
*10 (255)	1 1/2(38)	2 3/8(60)	1(25)	1 7/8(48)	23(48)	16(103)

▼ This dimension to internal stop of speedi-set® gasket.
 • Add 3/8"(10) to all min/max dimensions for round strainers.
 * Collar is reversible to obtain extreme high and low strainer positions.
 ** Not available for 5"(125) size strainer.
 ** MIN 6 3/4"(170) hole required for core drilled application.

- REGULARLY FURNISHED:** Duco Cast Iron Body with Flashing Collar and Adjustable Strainer Head with ADA Grate as Indicated by Suffix Letter Selected.
- VARIATIONS:**
- Flapper Type Backwater Valve -V (NOTE 2)
 - Hinged Grate -H (NOTE 1)
 - L Speedi-Set® Service Weight 2(50), 3(75) & 4"(100) only
 - LXH Speedi-Set® Extra Heavy 2(50), 3(75) & 4"(100) only
 - Sediment Bucket -B
 - Trap Primer Connection -P050 1/2" (13) & -P075 3/4" (19)
 - Vandal Proof Screws -U
 - Wide Flanged Strainer (Specify Fig. DX2005)
 - T Threaded Outlet (Specify 2010T)
 - Heelproof Grate -HP -AHP (Round) or -BHP (Square)
 - Quad Close Trap Seal (Specify Fig. 2692)

- OPTIONAL MATERIALS:**
- Bronze Body -BB
 - Chrome Plated Strainer -CP
 - Galvanized Cast Iron Body -G
 - Nickel Bronze Strainer -NB
 - Polished Bronze Strainer -PB
 - All Stainless Steel (Specify Fig. 9700)
 - Stainless Steel Strainers -SS [Available in 05(125) & 06(150) sizes only]

NOTE 1: Sediment Bucket -B not provided for a Hinged Grate (-H)

NOTE 2: Sediment Bucket -B not provided for a Ball Float (-BFV) or a Flapper Type (-V)

SEE PM 0457 FOR OPTIONAL STRAINER HEADS.

Z	7-22-24	Revised Reg. Furnished	HS	KV	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
Y	8-9-23	Removed Function	HS	CL			
X	3-10-23	Added @ to "Speedi-Set"	KK	CL	2005		
W	10-8-21	Added NOTE 1 & 2	KK	JM			
REV.	DATE	DESCRIPTION	BY	CKD. BY			

DRAWING NUMBER: S2005
 SIZE: A
 SCALE: NONE
 DATE: 5-17-85
 APPROVED BY: TD
 CHECKED BY: TD
 DRAWN BY: PJ
 FIGURE NUMBER: 2005

Z
 Y
 X
 W

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

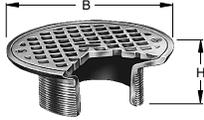
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

NOTE 1: Sediment Bucket -B not provided for a Hinged Grate (-H)

NOTE 2: Sediment Bucket -B not provided for a Ball Float (-BFV) or a Flapper Type (-V)

OPTIONAL STRAINER HEADS

ROUND STRAINER



MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB
 Stainless Steel
 Strainers -SS [Available in 05(125) & 06(150) sizes only]

VARIATIONS:
 *Hinged Grate (Specify Suffix -AH) (NOTE 1)
 Sediment Bucket -B
 Vandal Proof Screws -U

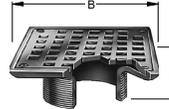
B DIA	05 (125)	06 (150)	07 (180)	08 (205)	09 (230)	10 (255)
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 1/2 (64)	2 3/4 (70)

LIGHT DUTY

Specify Type, Size & Finish eg: A05NB
 *Not available for 05" (125) size

SUFFIX -A

FLAPPER TYPE BACKWATER VALVE



MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

VARIATIONS:
 *Hinged Grate (Specify Suffix -AH)
 Vandal Proof Screws -U

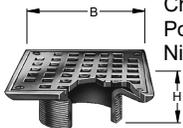
B SQ	05 (125)	06 (150)	07 (180)	08 (205)
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)

LIGHT DUTY

Specify Type, Size & Finish eg: AV05NB
 *Not available for 05" (125) size

SUFFIX -AV

6" SQUARE STRAINER ←



MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

VARIATIONS:
 Flapper Type Backwater Valve (Specify Suffix -BV) 05 (125), 06 (150), 07 (180) or 08" (205) sizes only (NOTE 2)
 *Hinged Grate (Specify Suffix -BH) (NOTE 1)
 Sediment Bucket -B
 Vandal Proof Screws -U

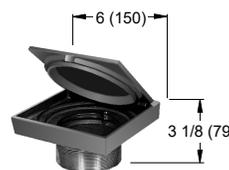
B SQ	05 (125)	06 (150)	07 (180)	08 (205)	09 (230)	10 (255)
H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	2 1/4 (57)
X MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 1/2 (38)	1 1/2 (38)
X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	2 3/8 (60)

LIGHT DUTY

Specify Type, Size & Finish eg: B05NB
 *Not available for 05" (125) size

SUFFIX -B

STRAINER HEAD w/SQUARE HINGED COVER



MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

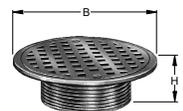
VARIATIONS:
 Gasketed Water Tight Cover -GC
 Secured Cover -SC
 Secondary Strainer Grate -SG

LIGHT DUTY

Specify Type, Size & Finish eg: BSNB

SUFFIX -BS

REINFORCED ROUND STRAINER



MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

VARIATIONS:
 Flapper Type Backwater Valve (Specify Suffix -CV) (NOTE 2)
 Sediment Bucket -B
 Vandal Proof Screws -U

B DIA	05 (125)	06 (150)	08 (205)	10 (255)
H	2 (51)	2 (51)	2 1/2 (64)	2 3/4 (70)
MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	1 7/8 (48)
MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 3/4 (70)

LIGHT DUTY

Specify Type, Size & Finish eg: C06NB

SUFFIX -C

REINFORCED TRACTOR STRAINER



MATERIALS:
 Cast Iron -CI
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

VARIATIONS:
 Flapper Type Backwater Valve (Specify Suffix -DV or -EV) (NOTE 2)
 Sediment Bucket -B
 Vandal Proof Screws -U

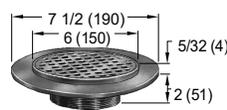
LIGHT DUTY

Specify Type, Size & Finish eg: D07PB
 E09PB

SUFFIX -D-E

SUFFIX	B DIA	H	X	
			MIN	MAX
-D	07 (180)	3 1/4 (83)	2 5/8 (67)	3 1/2 (89)
-E	09 (230)	3 1/2 (89)	2 3/4 (70)	3 1/2 (89)

TILE FLANGE



MATERIALS:
 Chrome Plated -CP
 Polished Bronze -PB
 Nickel Bronze -NB

VARIATIONS:
 Flapper Type Backwater Valve (Specify Suffix -FV)
 Holes in Flange -SH
 Sediment Bucket -B
 Vandal Proof Screws -U

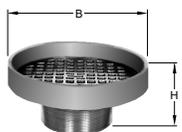
	X
MIN	MAX
1 1/4 (32)	2 1/8 (54)

LIGHT DUTY

Specify Type, Size & Finish eg: F06NB

SUFFIX -F

ADJUSTABLE STRAINER HEAD



VARIATIONS:
 Flapper Type Backwater Valve (Specify Suffix -F37V or F38V)
 Sediment Bucket -B

MATERIALS:
 Cast Iron -CI
 Chrome Plated -CP
 Galvanized Cast Iron -G
 Polished Bronze -PB
 Nickel Bronze -NB

NON-TRAFFIC

Specify Type, Size & Finish eg: F37NB F38CP

SUFFIX -F37-F38

SUFFIX	-F37	-F38
B DIA	07 (180)	09 (230)
H	3 1/4 (83)	3 1/2 (89)
X MIN	2 5/8 (67)	2 3/4 (70)
X MAX	3 1/2 (89)	3 1/2 (89)

N 5-21-24
M 10-8-21
L 10-26-20

Removed Function, Rev. Var.
 Added NOTE 1 & 2
 Rev. Finish (Tractor Strainer)

HS
KK
MW

KV
JM
CL

FIGURE NUMBER
 2005/2010 SERIES OPTIONAL
 STRAINER HEADS
 1 of 2

NOTE: Dimensions shown in parentheses are in millimeters.



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

DRAWING NUMBER
 PM0457 SH 1 of 2

SIZE
 A

SCALE
 NONE

DATE:
 5-17-85

APPROVED BY:
 TD

CHECKED BY:
 TD

DRAWN BY:
 PJ

2010 SERIES OPTIONAL
 STRAINER HEADS

FIGURE
 NUMBER

REV. DATE DESCRIPTION BY CKD. BY

Location: _____



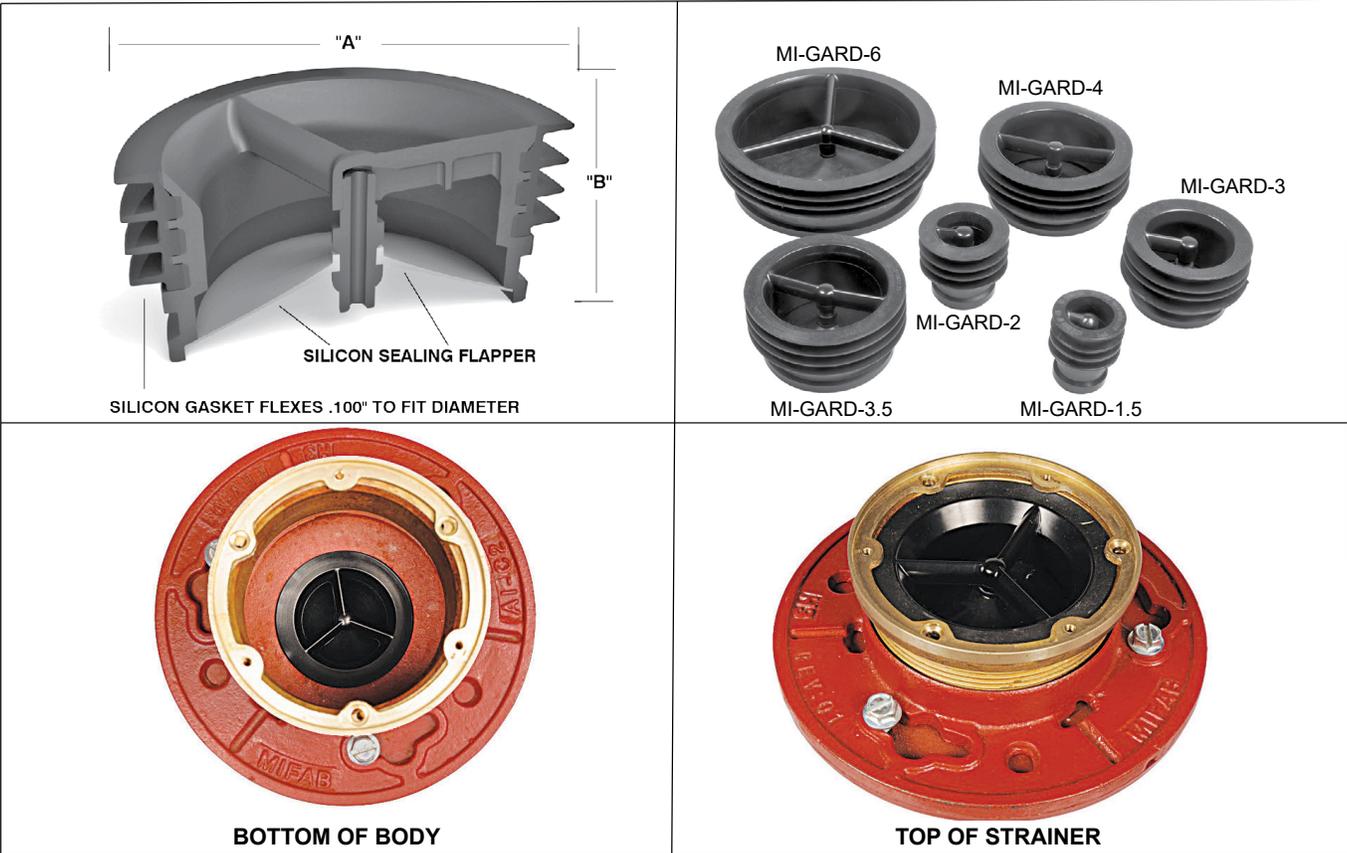
MI-GARD®

FLOOR DRAIN TRAP SEAL

Specification: MIFAB® MI-GARD® Series inline floor drain trap seal with UV resistant ABS plastic frame, silicon rubber sealing flapper and four flexible sealing ribs. Tested and certified to the ASSE 1072 Standard and listed with IAPMO and I.P.C. Specify connection size (1 1/2", 2", 3", 3 1/2", 4" or 6"). 10 year warranty is included.



Function: Used in the outlet connections of floor drain bodies, or the inside of floor drain strainers to seal the opening to prevent odors, sewer gases, and insects from entering up through the floor drain grate. The MI-GARD®'s four flexible silicone sealing ribs ensure easy installation into openings that have variations in size. The MI-GARD® will open to allow drainage and close when there is no water flow. MI-GARD can be used independent or in conjunction with trap seal primers for added protection against sewer gases and insects entering up through the floor drain grate. MI-GARD is not designed to substitute the trap seal primers.



MODEL NO.	"A" (PIPE SIZE)	"B" (HEIGHT)
MI-GARD-1.5	1-1/2" (38)	2" (51)
MI-GARD-2	2" (51)	2" (51)
MI-GARD-3	3" (76)	2" (51)
MI-GARD-3.5	3 1/2" (89)	2" (51)
MI-GARD-4	4" (102)	2" (51)
MI-GARD-6	6" (152)	2" (51)

MI-GARD® prevents the following from entering through the top of floor drains:

- Odors and sewer gases
- Insects

Not intended to be used in lieu of a trap seal primer. 6" MI-GARD not IAPMO certified.

Note: The MI-GARD-6 is designed in accordance with industry standards but is not listed. MI-GARD Floor Drain Trap Seals are in compliance with International Plumbing Code (I.P.C.)



MI-GARD-3,4 and 6 are I.C.C. approved.

MI-GARD-1.5

CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Job Name: _____ Page No: _____
 Section No: _____ Contractor: _____
 Schedule No: _____ Purchase Order No: _____

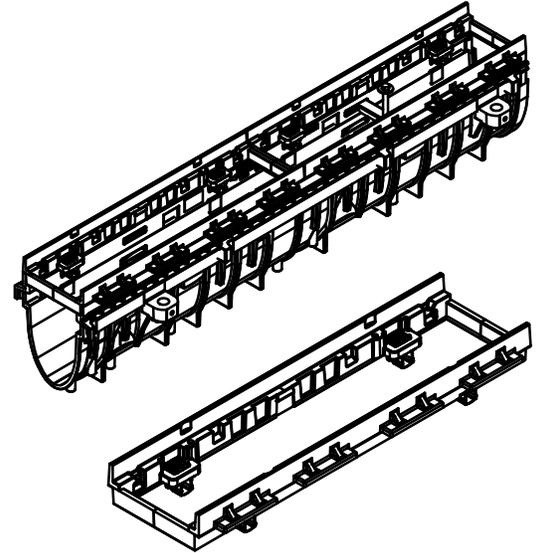
TD-1

SPECIFICATION:

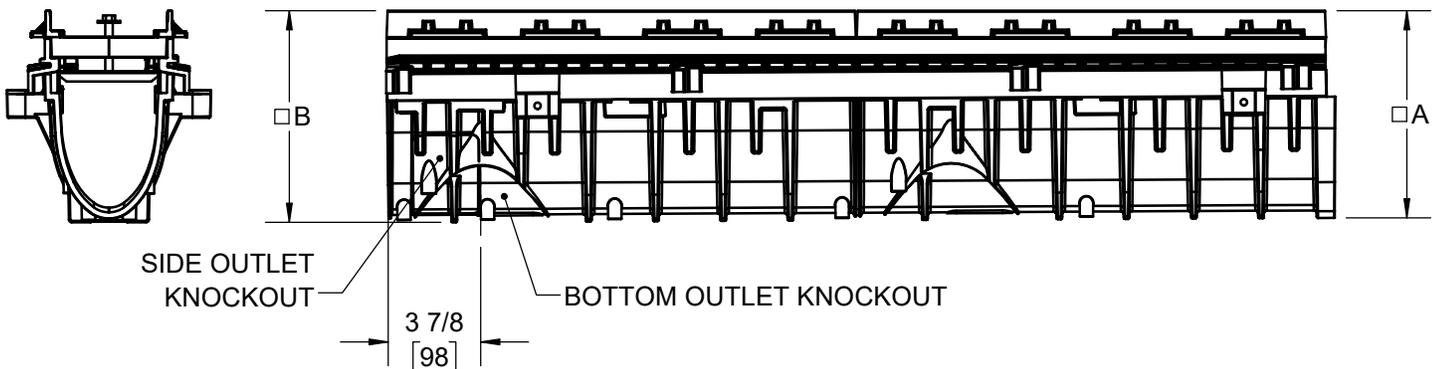
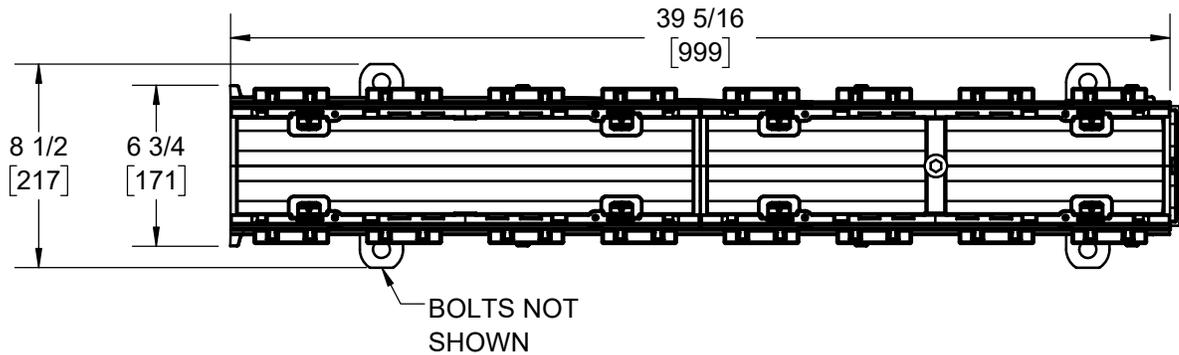
JOSAM 100C SERIES CHANNELS WITH DUCTILE IRON RAIL SHALL BE 39.4" (1000) LONG WITH 4" (102) INTERNAL WIDTH AND RADIUSED BOTTOM. INTERCONNECTING CHANNEL SECTIONS SHALL BE MADE OF SMC/GRP (SHEET MOLDING COMPOUND/GLASS REINFORCED POLYESTER) MATERIAL AND AVAILABLE WITH AND WITHOUT SLOPE. CHANNEL SUPPORT BRACKETS CAPABLE OF ACCEPTING RE-BAR, END OUTLETS, BOTTOM OUTLETS, ENDCAPS, AND CORNER/T CONNECTORS SHALL BE AVAILABLE. GRATE OPTIONS FOR LOADING CLASSES A-F WITH PRESSURE OR LOCKING BOLT SECURING DEVICES.

PRO-PLUS
4" INTERNAL WIDTH
24.5 METER RUN
SERIES 100C-DI RAIL

CHANNEL NUMBER + 152441	DIM "A"	DIM "B"	WEIGHT (LBS)
100C	7.4	7.4	25.1
100C01	8.7	8.9	28.3
100C02	8.9	9.1	28.5
100C03	9.1	9.3	28.7
100C04	9.3	9.5	28.8
100C05	9.5	9.7	29.0
100C05N	9.7	9.7	29.2
100C06	9.7	9.9	29.3
100C07	9.9	10.1	29.5
100C08	10.1	10.3	29.7
100C09	10.3	10.5	29.9
100C10	10.5	10.7	30.1
100C11	10.7	10.9	33.0
100C12	10.9	11.1	33.2
100C13	11.1	11.3	30.4
100C14	11.3	11.5	30.5
100C15	11.5	11.7	30.7
100C15N	11.7	11.7	30.9
100C16	11.7	11.9	31.0
100C17	11.9	12.1	31.2
100C18	12.1	12.3	31.4
100C19	12.3	12.5	31.6
100C20	12.5	12.7	31.8



152441P DUCTILE IRON FRAME ONLY



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

DATE OF LAST CHANGE: 05/17/21

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES AND CHANGE WITHOUT NOTICE. WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA.

JOSAM
 MICHIGAN CITY, INDIANA

NOTES

SPECIFICATION:

JOSAM 100-DIS-E-DC EPOXY COATED, DUCTILE IRON SLOTTED GRATE WITH CENTER HOLE FOR LOCKING BAR. DESIGNED TO FIT PRO-PLUS™ 100 SIZE CHANNEL. MEETS ADA AND HEELPROOF SLOT REQUIREMENTS.

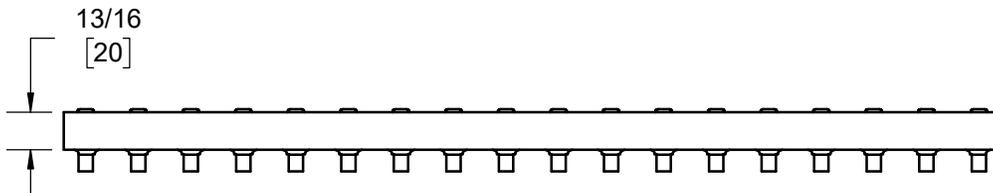
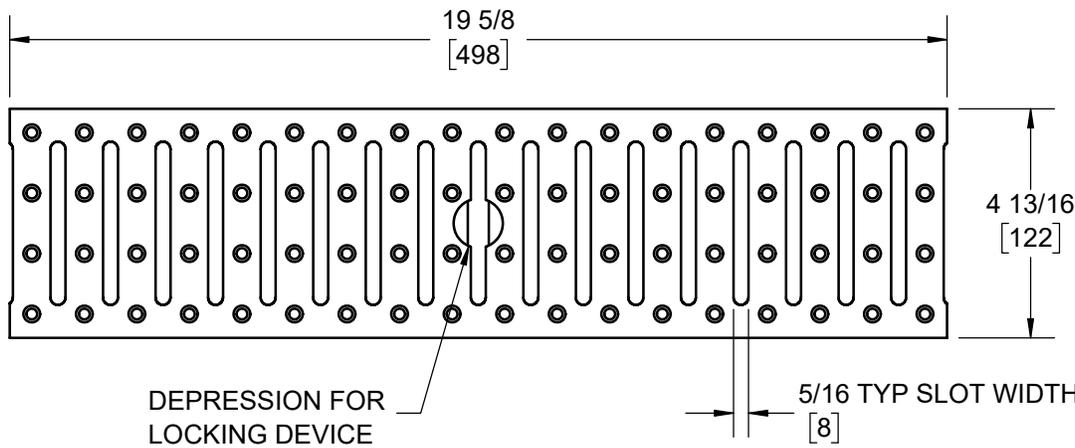
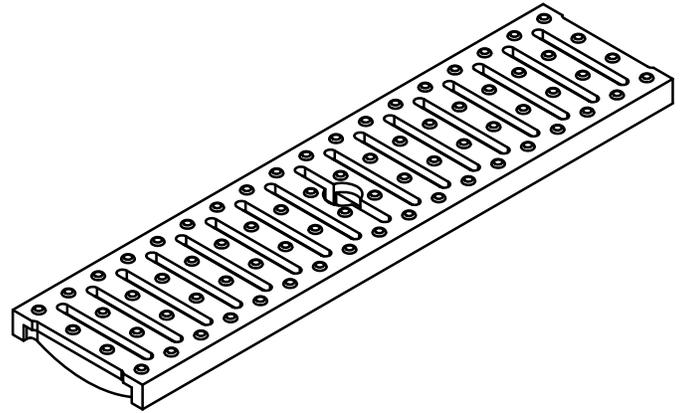
TRENCH DRAIN GRATE

PRO-PLUS™ 100

SERIES **100-DIS-E-DC**

LOAD RATINGS EN/DIN: E H20: Y

FREE AREA IS 18 SQ. IN.
PER 1/2 METER GRATE
MADE IN USA



LOCKING BAR (ORDER SEPERATELY) 360141

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

DATE OF LAST CHANGE: 5/19/23 JTJ

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES AND CHANGE WITHOUT NOTICE. WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA.



NOTES

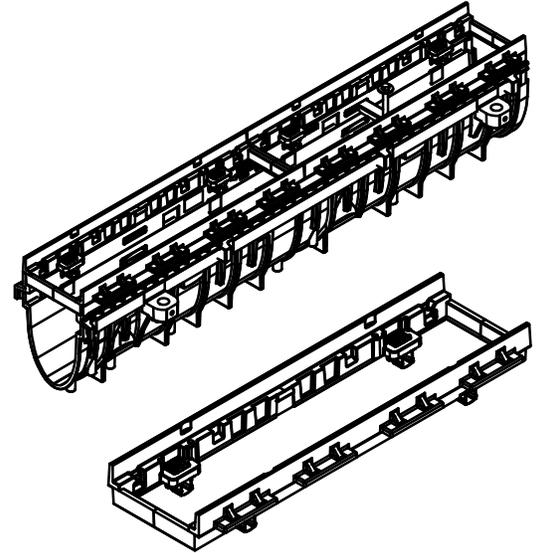
TD-2

SPECIFICATION:

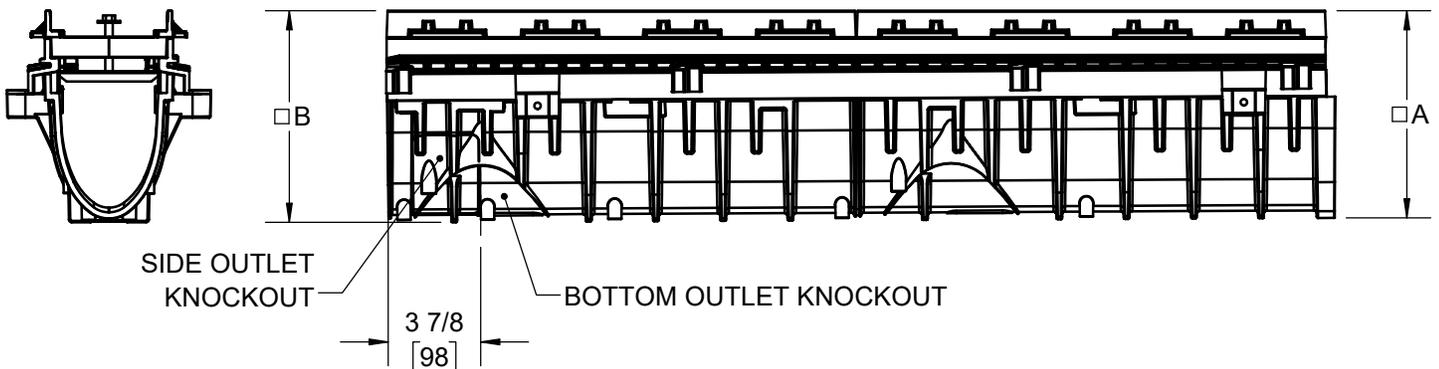
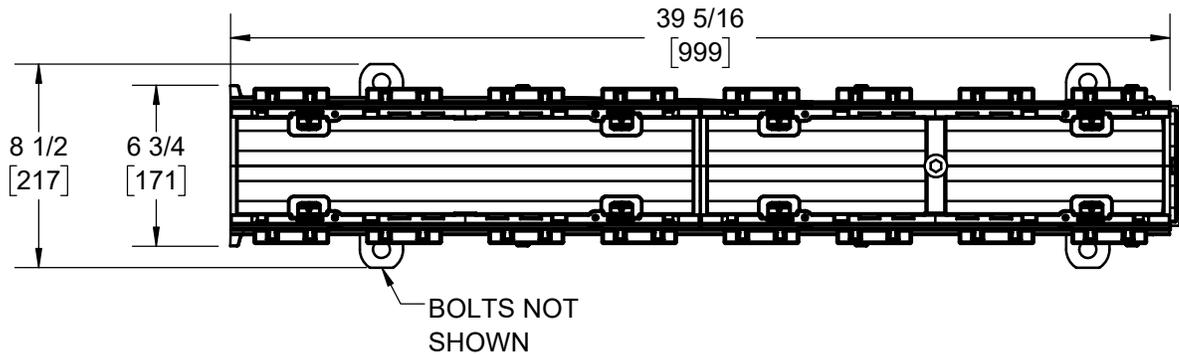
JOSAM 100C SERIES CHANNELS WITH DUCTILE IRON RAIL SHALL BE 39.4" (1000) LONG WITH 4" (102) INTERNAL WIDTH AND RADIUSED BOTTOM. INTERCONNECTING CHANNEL SECTIONS SHALL BE MADE OF SMC/GRP (SHEET MOLDING COMPOUND/GLASS REINFORCED POLYESTER) MATERIAL AND AVAILABLE WITH AND WITHOUT SLOPE. CHANNEL SUPPORT BRACKETS CAPABLE OF ACCEPTING RE-BAR, END OUTLETS, BOTTOM OUTLETS, ENDCAPS, AND CORNER/T CONNECTORS SHALL BE AVAILABLE. GRATE OPTIONS FOR LOADING CLASSES A-F WITH PRESSURE OR LOCKING BOLT SECURING DEVICES.

PRO-PLUS
4" INTERNAL WIDTH
13 METER RUN
SERIES 100C-DI RAIL

CHANNEL NUMBER + 152441	DIM "A"	DIM "B"	WEIGHT (LBS)
100C	7.4	7.4	25.1
100C01	8.7	8.9	28.3
100C02	8.9	9.1	28.5
100C03	9.1	9.3	28.7
100C04	9.3	9.5	28.8
100C05	9.5	9.7	29.0
100C05N	9.7	9.7	29.2
100C06	9.7	9.9	29.3
100C07	9.9	10.1	29.5
100C08	10.1	10.3	29.7
100C09	10.3	10.5	29.9
100C10	10.5	10.7	30.1
100C11	10.7	10.9	33.0
100C12	10.9	11.1	33.2
100C13	11.1	11.3	30.4
100C14	11.3	11.5	30.5
100C15	11.5	11.7	30.7
100C15N	11.7	11.7	30.9
100C16	11.7	11.9	31.0
100C17	11.9	12.1	31.2
100C18	12.1	12.3	31.4
100C19	12.3	12.5	31.6
100C20	12.5	12.7	31.8



152441P DUCTILE IRON FRAME ONLY



WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

DATE OF LAST CHANGE: 05/17/21

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES AND CHANGE WITHOUT NOTICE. WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA.

JOSAM
 MICHIGAN CITY, INDIANA

NOTES

SPECIFICATION:

JOSAM 100-DIS-E-DC EPOXY COATED, DUCTILE IRON SLOTTED GRATE WITH CENTER HOLE FOR LOCKING BAR. DESIGNED TO FIT PRO-PLUS™ 100 SIZE CHANNEL. MEETS ADA AND HEELPROOF SLOT REQUIREMENTS.

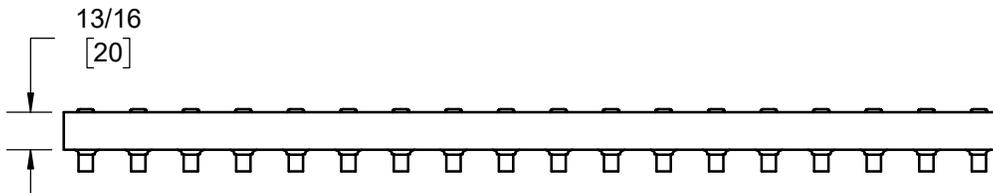
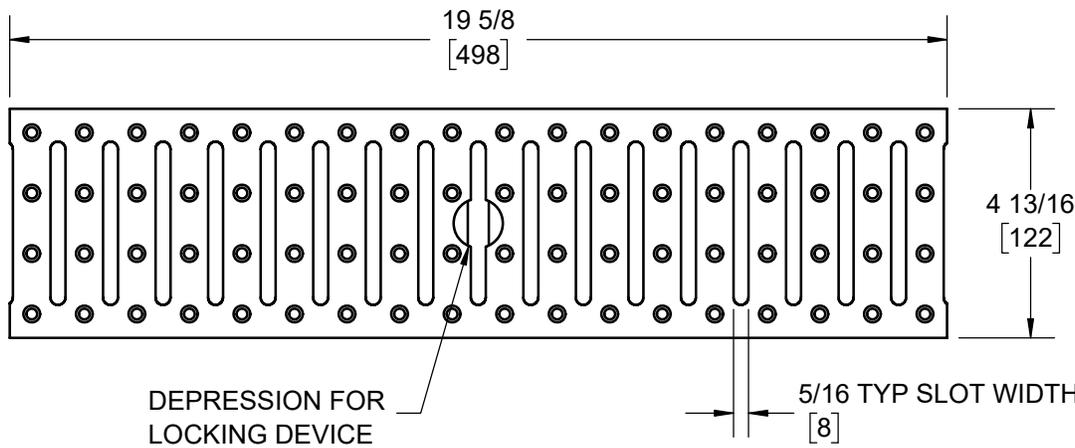
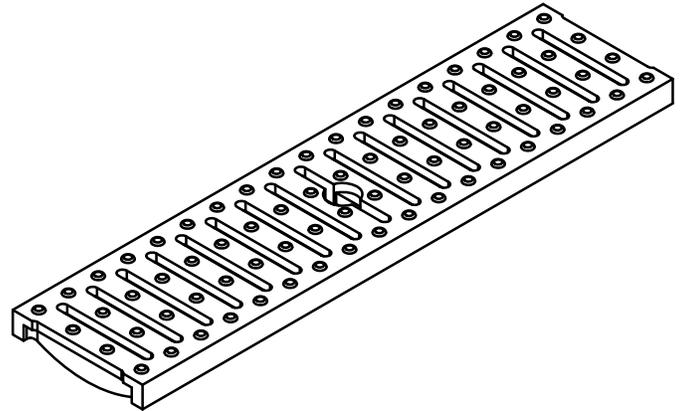
TRENCH DRAIN GRATE

PRO-PLUS™ 100

SERIES **100-DIS-E-DC**

LOAD RATINGS EN/DIN: E H20: Y

FREE AREA IS 18 SQ. IN.
PER 1/2 METER GRATE
MADE IN USA



LOCKING BAR (ORDER SEPERATELY) 360141

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

DATE OF LAST CHANGE: 5/19/23 JTJ

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCES AND CHANGE WITHOUT NOTICE. WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA.



NOTES