



**SOLIS TOWN CENTER**

**SUWANEE, Georgia**

**Project #10295**

**1976 Airport Industrial Park Drive Marietta, GA 30060 770-952-3864 Fax 770-952-0299**





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PF1401TWH  
PF5112HEWH  
PFTSE2000WH

PROFLO  
PROFLO  
PROFLO

**WC1/ UPF1:**

1.1-1.6 12 ELONGATED UNIVERSAL BOWL WHITE  
CCY 1.28 12 TANK FOR PF1400HE WHITE  
ELONGATED CLOSET SEAT PLASTIC ECONOMY WHITE






**PF1400T Series****High-Efficiency  
Two Piece Toilet****Product Features**

- Gravity fed 1.28gpf HET, High Efficiency Toilet
- Two-piece vitreous china
- 2" fully glazed trapway
- 6" x 5-1/4" water surface
- Anti-siphon fill valve
- Jetted box rim
- Close coupled tank with cover
- Quick connect, 2 bolt tank to bowl installation
- Comes standard with a color matching trip lever
- 2" Flush valve
- Sanitary bar on all bowls
- Seat and supply not included
- Available in 10", 12", 14" RI
- Available with RH trip level
- Available with insulated tank
- Available round front, elongated, and ADA
- Uses 20% less water than standard low consumption toilets
- EPA WaterSense Certified

**PF1403TWH/PF5112HEWH****Codes and Standards**

- IAPMO/UPC
- ASME A112.19.2
- CSA B45.0
- CSA B45.1

Model	Model Description	Color Finishes
*PF1400T	1.1-1.6 12 RI RF UNIV BOWL	<input type="radio"/> White <input type="radio"/> Biscuit
*PF1401T 	1.1-1.6 12 RI EL UNIV BOWL	 White <input type="radio"/> Biscuit
PF1403T 	1.1-1.6 12 RI ADA UNIV BOWL	<input type="radio"/> White <input type="radio"/> Biscuit
PF5112HE	HET Tank only 12" RI for 1400 series	<input type="radio"/> White <input type="radio"/> Biscuit
PF5110HE	HET Tank only 10" RI for 1400 series	<input type="radio"/> White <input type="radio"/> Biscuit
PF5114HEWH	HET Tank only 14" RI for 1400 series	<input type="radio"/> White
PF5112RHEWH	HET Tank only 12" RI for 1400 series	<input type="radio"/> White
PF5112UHEWH	HET Lined Tank only 12" RI for 1400 series	<input type="radio"/> White
PF5112LHEWH	Tank with Locking Lid	<input type="radio"/> White

\* = complies with CSA B651

wheelchair symbol = complies with ADA &amp; CSA B651



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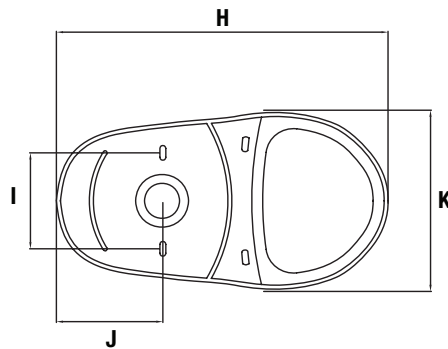
**PF1400T Series****High-Efficiency  
Two Piece Toilet****Product Features**

The combination toilet shall be made of vitreous china. Toilet shall be 1.28 gpf (4.8 lpf). Toilet shall have 2" (5.1cm) fully glazed trapway. Toilet shall include color match trip lever. Toilet shall be less seat and supply. Toilet shall be ADA compliant (PF1403T) with 17" high bowl.

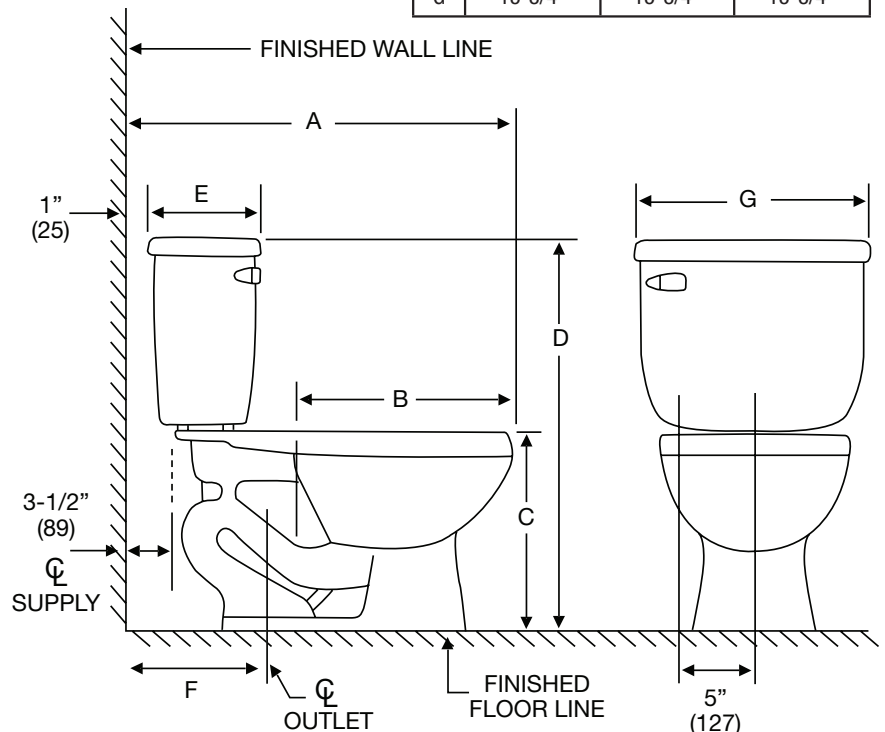
	PF5114HE /1400T	PF5114HE /1401T	PF5114HE /1403T
A	30-1/2"	32-1/2"	32-1/2"
E	9-3/4"	9-3/4"	9-3/4"
F	14"	14"	14"
G	15-3/4"	15-3/4"	15-3/4"

	PF5110HE /1400T	PF5110HE /1401T	PF5110HE /1403T
A	26-1/2"	28-1/2"	28-1/2"
E	6-1/4"	6-1/4"	6-1/4"
F	10"	10"	10"
G	17-1/2"	17-1/2"	17-1/2"

	PF5112HE /1400T	PF5112HE /1401T	PF5112HE /1403T
A	28-1/2"	30-1/2"	30-1/2"
B	16-1/2"	18-1/2"	18-1/2"
C	15"	15"	17"
D	29-3/4"	29-3/4"	31-3/4"
E	8-1/2"	8-1/2"	8-1/2"
F	12"	12"	12"
G	15-3/4"	15-3/4"	15-3/4"

**Footprint**

	RF	EL	ADA
	PF1400T	PF1401T	PF1403T
H	18-1/2"	18-1/2"	18-1/2"
I	6"	6"	6"
J	6-1/8"	6-1/2"	6-1/2"
K	9"	9"	9"

**Warranty and Codes:**

This product comes complete with installation, operating, care and maintenance instructions. All PROFLO fixtures carry a 1- year limited warranty. This product meets or exceeds ASME/ANSI A112.19.2M. In an effort to continually improve our products, we will make design changes from time to time. We reserve the right to ship newly designed product to fill any order unless we agree in writing to do otherwise.



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**PF1400T Series****High-Efficiency  
Two Piece Toilet****Product Features**

- Gravity fed 1.28gpf HET, High Efficiency Toilet
- Two-piece vitreous china
- 2" fully glazed trapway
- 6" x 5-1/4" water surface
- Anti-siphon fill valve
- Jetted box rim
- Close coupled tank with cover
- Quick connect, 2 bolt tank to bowl installation
- Comes standard with a color matching trip lever
- 2" Flush valve
- Sanitary bar on all bowls
- Seat and supply not included
- Available in 10", 12", 14" RI
- Available with RH trip level
- Available with insulated tank
- Available round front, elongated, and ADA
- Uses 20% less water than standard low consumption toilets
- EPA WaterSense Certified

**PF1403TWH/PF5112HEWH****Codes and Standards**

- IAPMO/UPC
- ASME A112.19.2
- CSA B45.0
- CSA B45.1

Model	Model Description	Color Finishes
*PF1400T	1.1-1.6 12 RI RF UNIV BOWL	○ White    ○ Biscuit
*PF1401T	1.1-1.6 12 RI EL UNIV BOWL	○ White    ○ Biscuit
PF1403T 	1.1-1.6 12 RI ADA UNIV BOWL	○ White    ○ Biscuit
PF5112HE 	HET Tank only 12" RI for 1400 series	 White    ○ Biscuit
PF5110HE	HET Tank only 10" RI for 1400 series	○ White    ○ Biscuit
PF5114HEWH	HET Tank only 14" RI for 1400 series	○ White
PF5112RHEWH	HET Tank only 12" RI for 1400 series	○ White
PF5112UHEWH	HET Lined Tank only 12" RI for 1400 series	○ White
PF5112LHEWH	Tank with Locking Lid	○ White

\* = complies with CSA B651

wheelchair symbol = complies with ADA & CSA B651



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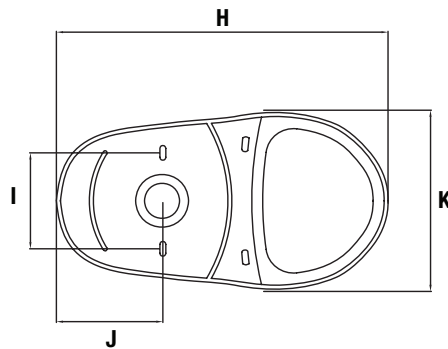
**PF1400T Series****High-Efficiency  
Two Piece Toilet****Product Features**

The combination toilet shall be made of vitreous china. Toilet shall be 1.28 gpf (4.8 lpf). Toilet shall have 2" (5.1cm) fully glazed trapway. Toilet shall include color match trip lever. Toilet shall be less seat and supply. Toilet shall be ADA compliant (PF1403T) with 17" high bowl.

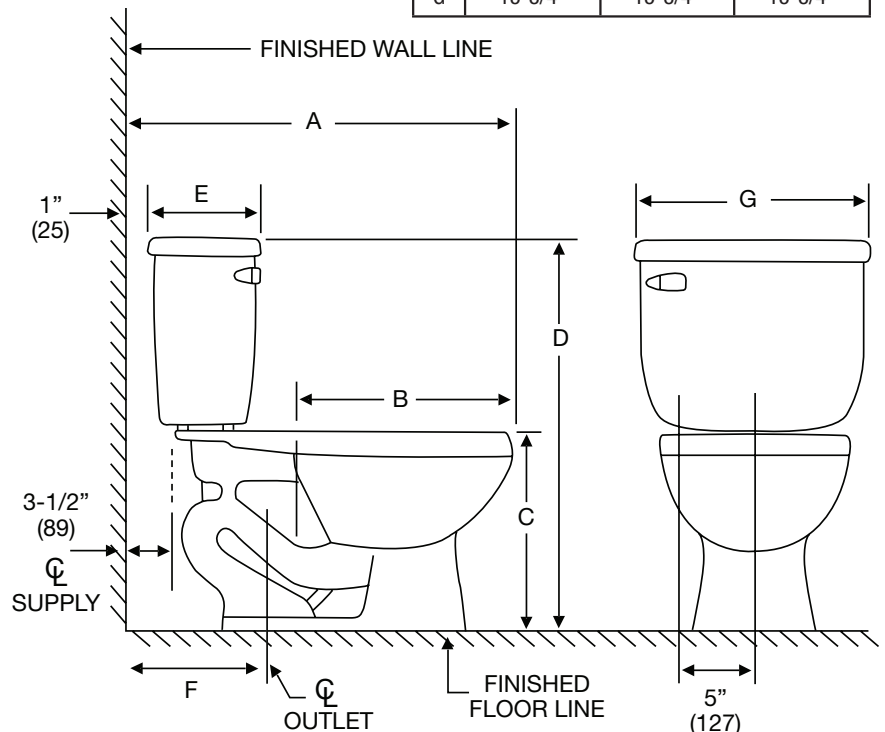
	PF5114HE /1400T	PF5114HE /1401T	PF5114HE /1403T
A	30-1/2"	32-1/2"	32-1/2"
E	9-3/4"	9-3/4"	9-3/4"
F	14"	14"	14"
G	15-3/4"	15-3/4"	15-3/4"

	PF5110HE /1400T	PF5110HE /1401T	PF5110HE /1403T
A	26-1/2"	28-1/2"	28-1/2"
E	6-1/4"	6-1/4"	6-1/4"
F	10"	10"	10"
G	17-1/2"	17-1/2"	17-1/2"

	PF5112HE /1400T	PF5112HE /1401T	PF5112HE /1403T
A	28-1/2"	30-1/2"	30-1/2"
B	16-1/2"	18-1/2"	18-1/2"
C	15"	15"	17"
D	29-3/4"	29-3/4"	31-3/4"
E	8-1/2"	8-1/2"	8-1/2"
F	12"	12"	12"
G	15-3/4"	15-3/4"	15-3/4"

**Footprint**

	RF	EL	ADA
	PF1400T	PF1401T	PF1403T
H	18-1/2"	18-1/2"	18-1/2"
I	6"	6"	6"
J	6-1/8"	6-1/2"	6-1/2"
K	9"	9"	9"

**Warranty and Codes:**

This product comes complete with installation, operating, care and maintenance instructions. All PROFLO fixtures carry a 1- year limited warranty. This product meets or exceeds ASME/ANSI A112.19.2M. In an effort to continually improve our products, we will make design changes from time to time. We reserve the right to ship newly designed product to fill any order unless we agree in writing to do otherwise.



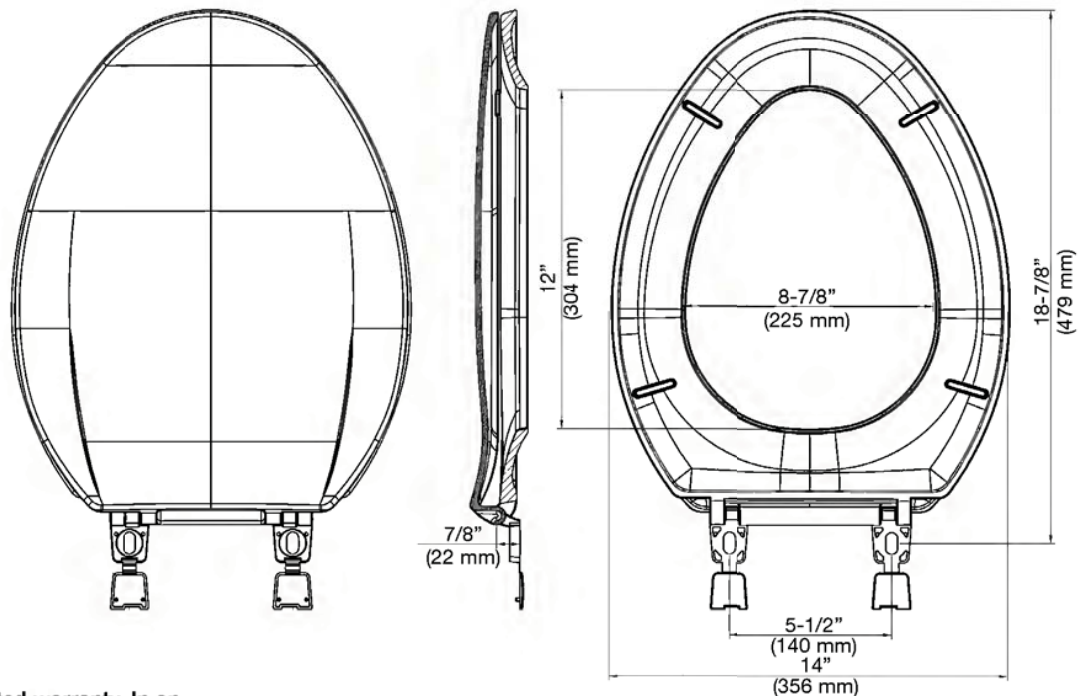


**PFTSE2000WH****Plastic  
Toilet Seats****Product Features**

- Impact resistant plastic construction
- Available in round or elongated
- Closed front with cover
- Conforms to ANSI Z124.5
- White only

**Model Numbers**

✓ **PFTSE2000WH** Elongated plastic toilet seat, white

**PFTSE2000WH****Product Specifications****Warranty and Codes**

PROFLO toilet seats carry a 1-year limited warranty. In an effort to continually improve our products, FEI will make design changes from time to time. We reserve the right to ship newly designed product to fill any order unless we agree in writing to do otherwise. Conforms to ANSI Z124.5





PF1403TWH  
PF5112HEWH  
PFTSE2000WH

PROFLO  
PROFLO  
PROFLO

**WC1H/ UPF1H:**

1.1-1.6 12 ADA UNIVERSAL BOWL WHITE  
CCY 1.28 12 TANK FOR PF1400HE WHITE  
ELONGATED CLOSET SEAT PLASTIC ECONOMY WHITE






**PF1400T Series****High-Efficiency  
Two Piece Toilet****Product Features**

- Gravity fed 1.28gpf HET, High Efficiency Toilet
- Two-piece vitreous china
- 2" fully glazed trapway
- 6" x 5-1/4" water surface
- Anti-siphon fill valve
- Jetted box rim
- Close coupled tank with cover
- Quick connect, 2 bolt tank to bowl installation
- Comes standard with a color matching trip lever
- 2" Flush valve
- Sanitary bar on all bowls
- Seat and supply not included
- Available in 10", 12", 14" RI
- Available with RH trip level
- Available with insulated tank
- Available round front, elongated, and ADA
- Uses 20% less water than standard low consumption toilets
- EPA WaterSense Certified

**PF1403TWH/PF5112HEWH****Codes and Standards**

- IAPMO/UPC
- ASME A112.19.2
- CSA B45.0
- CSA B45.1

Model	Model Description	Color Finishes
*PF1400T	1.1-1.6 12 RI RF UNIV BOWL	<input type="radio"/> White <input type="radio"/> Biscuit
*PF1401T	1.1-1.6 12 RI EL UNIV BOWL	<input type="radio"/> White <input type="radio"/> Biscuit
PF1403T  	1.1-1.6 12 RI ADA UNIV BOWL	 <input checked="" type="radio"/> White <input type="radio"/> Biscuit
PF5112HE	HET Tank only 12" RI for 1400 series	<input type="radio"/> White <input type="radio"/> Biscuit
PF5110HE	HET Tank only 10" RI for 1400 series	<input type="radio"/> White <input type="radio"/> Biscuit
PF5114HEWH	HET Tank only 14" RI for 1400 series	<input type="radio"/> White
PF5112RHEWH	HET Tank only 12" RI for 1400 series	<input type="radio"/> White
PF5112UHEWH	HET Lined Tank only 12" RI for 1400 series	<input type="radio"/> White
PF5112LHEWH	Tank with Locking Lid	<input type="radio"/> White

\* = complies with CSA B651

wheelchair symbol = complies with ADA &amp; CSA B651



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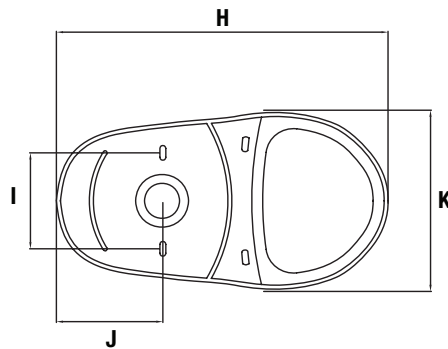
**PF1400T Series****High-Efficiency  
Two Piece Toilet****Product Features**

The combination toilet shall be made of vitreous china. Toilet shall be 1.28 gpf (4.8 lpf). Toilet shall have 2" (5.1cm) fully glazed trapway. Toilet shall include color match trip lever. Toilet shall be less seat and supply. Toilet shall be ADA compliant (PF1403T) with 17" high bowl.

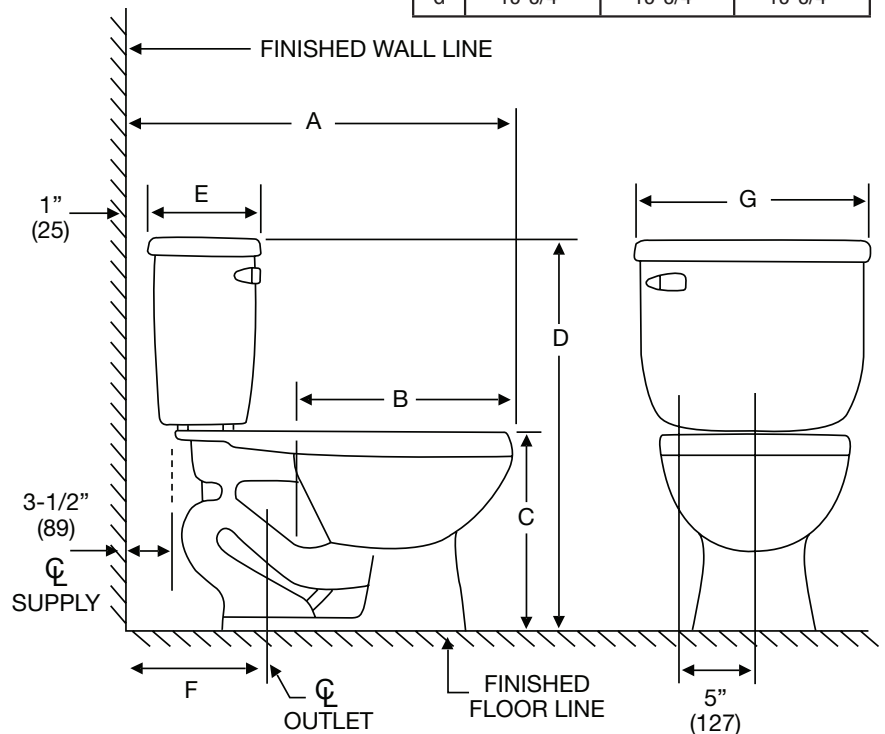
	PF5114HE /1400T	PF5114HE /1401T	PF5114HE /1403T
A	30-1/2"	32-1/2"	32-1/2"
E	9-3/4"	9-3/4"	9-3/4"
F	14"	14"	14"
G	15-3/4"	15-3/4"	15-3/4"

	PF5110HE /1400T	PF5110HE /1401T	PF5110HE /1403T
A	26-1/2"	28-1/2"	28-1/2"
E	6-1/4"	6-1/4"	6-1/4"
F	10"	10"	10"
G	17-1/2"	17-1/2"	17-1/2"

	PF5112HE /1400T	PF5112HE /1401T	PF5112HE /1403T
A	28-1/2"	30-1/2"	30-1/2"
B	16-1/2"	18-1/2"	18-1/2"
C	15"	15"	17"
D	29-3/4"	29-3/4"	31-3/4"
E	8-1/2"	8-1/2"	8-1/2"
F	12"	12"	12"
G	15-3/4"	15-3/4"	15-3/4"

**Footprint**

	RF	EL	ADA
	PF1400T	PF1401T	PF1403T
H	18-1/2"	18-1/2"	18-1/2"
I	6"	6"	6"
J	6-1/8"	6-1/2"	6-1/2"
K	9"	9"	9"

**Warranty and Codes:**

This product comes complete with installation, operating, care and maintenance instructions. All PROFLO fixtures carry a 1- year limited warranty. This product meets or exceeds ASME/ANSI A112.19.2M. In an effort to continually improve our products, we will make design changes from time to time. We reserve the right to ship newly designed product to fill any order unless we agree in writing to do otherwise.



Distributed Exclusively by Ferguson and Wolseley Canada






**PF1400T Series****High-Efficiency  
Two Piece Toilet****Product Features**

- Gravity fed 1.28gpf HET, High Efficiency Toilet
- Two-piece vitreous china
- 2" fully glazed trapway
- 6" x 5-1/4" water surface
- Anti-siphon fill valve
- Jetted box rim
- Close coupled tank with cover
- Quick connect, 2 bolt tank to bowl installation
- Comes standard with a color matching trip lever
- 2" Flush valve
- Sanitary bar on all bowls
- Seat and supply not included
- Available in 10", 12", 14" RI
- Available with RH trip level
- Available with insulated tank
- Available round front, elongated, and ADA
- Uses 20% less water than standard low consumption toilets
- EPA WaterSense Certified

**PF1403TWH/PF5112HEWH****Codes and Standards**

- IAPMO/UPC
- ASME A112.19.2
- CSA B45.0
- CSA B45.1

Model	Model Description	Color Finishes
*PF1400T	1.1-1.6 12 RI RF UNIV BOWL	○ White    ○ Biscuit
*PF1401T	1.1-1.6 12 RI EL UNIV BOWL	○ White    ○ Biscuit
PF1403T 	1.1-1.6 12 RI ADA UNIV BOWL	○ White    ○ Biscuit
PF5112HE 	HET Tank only 12" RI for 1400 series	 White    ○ Biscuit
PF5110HE	HET Tank only 10" RI for 1400 series	○ White    ○ Biscuit
PF5114HEWH	HET Tank only 14" RI for 1400 series	○ White
PF5112RHEWH	HET Tank only 12" RI for 1400 series	○ White
PF5112UHEWH	HET Lined Tank only 12" RI for 1400 series	○ White
PF5112LHEWH	Tank with Locking Lid	○ White

\* = complies with CSA B651

wheelchair symbol = complies with ADA &amp; CSA B651



Distributed Exclusively by Ferguson and Wolseley Canada



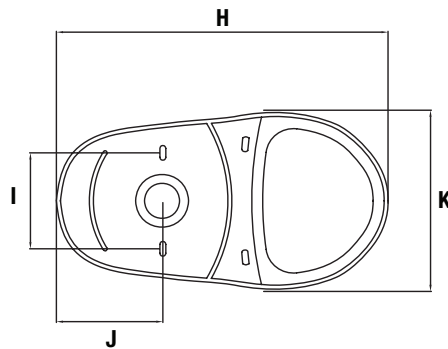
**PF1400T Series****High-Efficiency  
Two Piece Toilet****Product Features**

The combination toilet shall be made of vitreous china. Toilet shall be 1.28 gpf (4.8 lpf). Toilet shall have 2" (5.1cm) fully glazed trapway. Toilet shall include color match trip lever. Toilet shall be less seat and supply. Toilet shall be ADA compliant (PF1403T) with 17" high bowl.

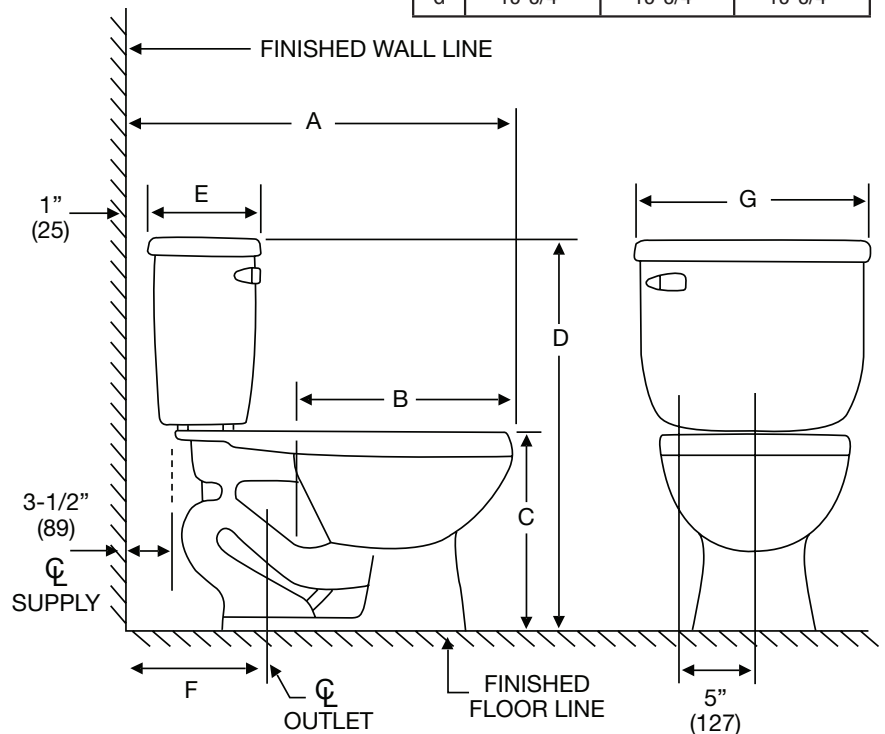
	PF5114HE /1400T	PF5114HE /1401T	PF5114HE /1403T
A	30-1/2"	32-1/2"	32-1/2"
E	9-3/4"	9-3/4"	9-3/4"
F	14"	14"	14"
G	15-3/4"	15-3/4"	15-3/4"

	PF5110HE /1400T	PF5110HE /1401T	PF5110HE /1403T
A	26-1/2"	28-1/2"	28-1/2"
E	6-1/4"	6-1/4"	6-1/4"
F	10"	10"	10"
G	17-1/2"	17-1/2"	17-1/2"

	PF5112HE /1400T	PF5112HE /1401T	PF5112HE /1403T
A	28-1/2"	30-1/2"	30-1/2"
B	16-1/2"	18-1/2"	18-1/2"
C	15"	15"	17"
D	29-3/4"	29-3/4"	31-3/4"
E	8-1/2"	8-1/2"	8-1/2"
F	12"	12"	12"
G	15-3/4"	15-3/4"	15-3/4"

**Footprint**

	RF	EL	ADA
	PF1400T	PF1401T	PF1403T
H	18-1/2"	18-1/2"	18-1/2"
I	6"	6"	6"
J	6-1/8"	6-1/2"	6-1/2"
K	9"	9"	9"

**Warranty and Codes:**

This product comes complete with installation, operating, care and maintenance instructions. All PROFLO fixtures carry a 1- year limited warranty. This product meets or exceeds ASME/ANSI A112.19.2M. In an effort to continually improve our products, we will make design changes from time to time. We reserve the right to ship newly designed product to fill any order unless we agree in writing to do otherwise.



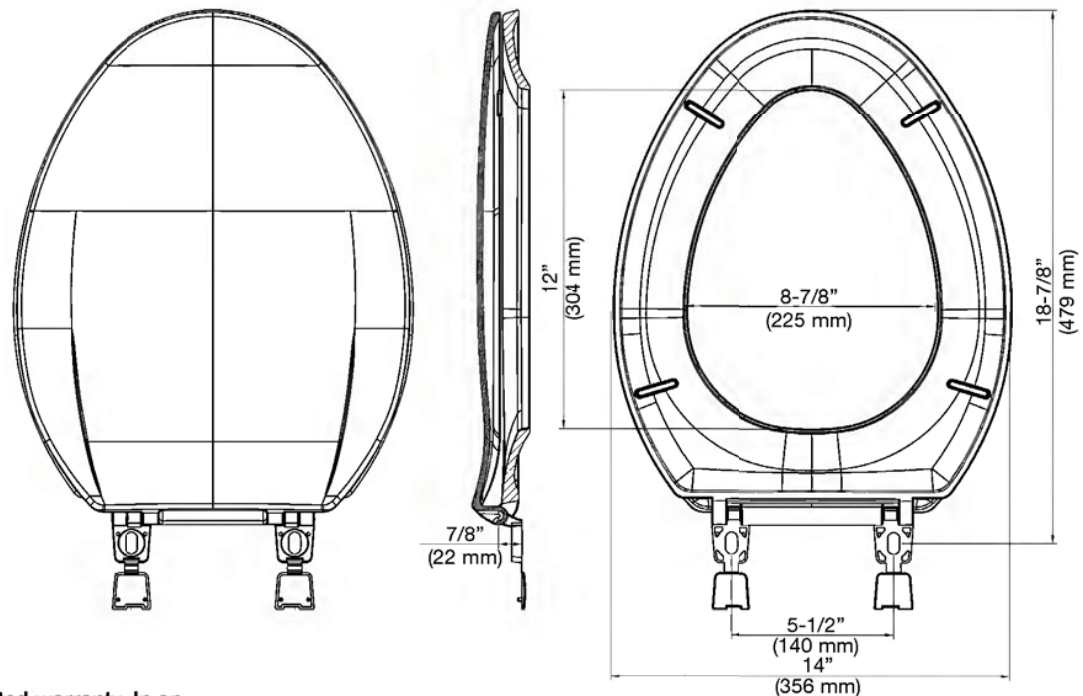


**PFTSE2000WH****Plastic  
Toilet Seats****Product Features**

- Impact resistant plastic construction
- Available in round or elongated
- Closed front with cover
- Conforms to ANSI Z124.5
- White only

**Model Numbers**

✓ **PFTSE2000WH** Elongated plastic toilet seat, white

**PFTSE2000WH****Product Specifications****Warranty and Codes**

PROFLO toilet seats carry a 1-year limited warranty. In an effort to continually improve our products, FEI will make design changes from time to time. We reserve the right to ship newly designed product to fill any order unless we agree in writing to do otherwise. Conforms to ANSI Z124.5





PLG142060K

PFISTER

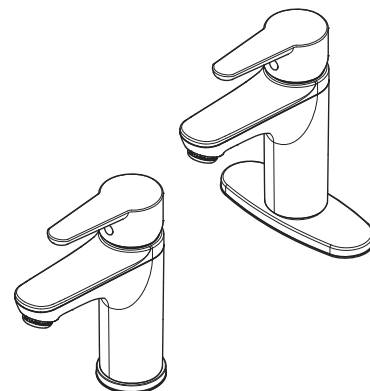
L1/ UPF 2/3:

SINGLE CONTROL LAVATORY FAUCET, PUSH & SEAL POP UP



# Pfister

## Pfirst Series™ Single Control Lavatory Faucet

LG142-0600 Finish(C) ☐LG142-060K Finish(K) ☒

- 1 or 3-Hole Installation
- Pforever Seal
- Push & Seal™ Pop-Up

## Specifications

### Features

- 1.2 GPM Flow Rate
- 1 or 3-Hole Installation;  
Deck Plate or Single Hole  
Mounting Option
- Push & Seal™ Pop-Up,  
also Drilled for Pop-Up
- Pforever Seal Ceramic  
Disc Valve
- Pforever Warranty®

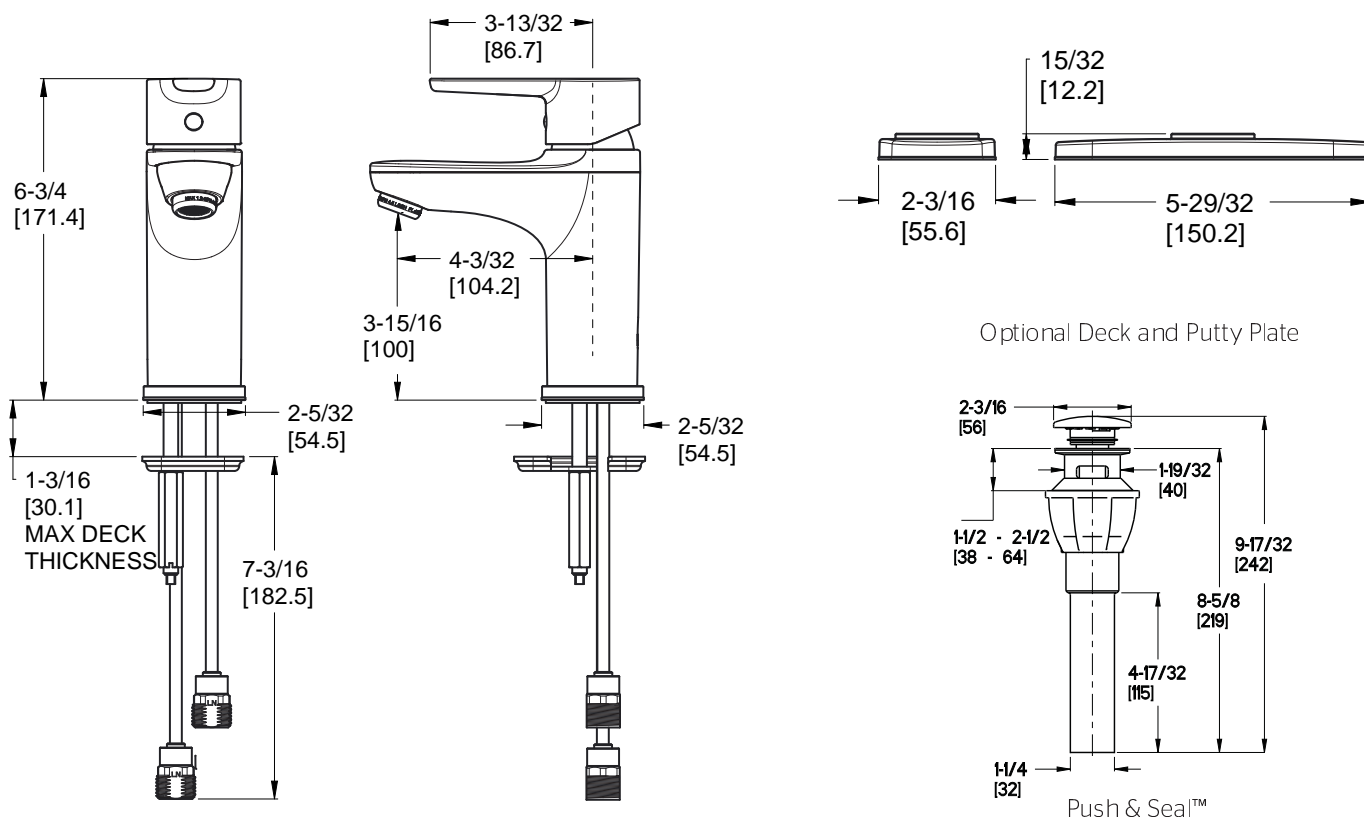
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- Cal Green Compliant
- CEC Compliant
- NSF 61/9 Annex G (Low lead)
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



Ø1 Min to Ø1-1/2 Max. Deck Hole Openings





PLG142060K  
PF202WH

PFISTER  
PROFLO

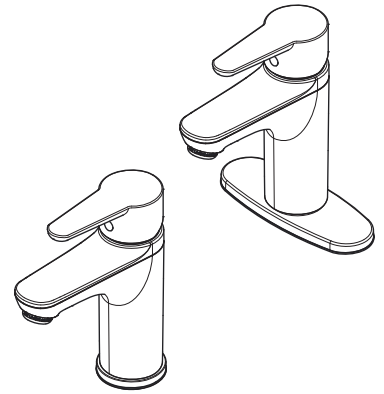
**L1H/ UPF2/3:**

SINGLE CONTROL LAVATORY FAUCET, PUSH & SEAL POP UP  
COVER FOR TRAP / HOT & COLD STOP & SUPPLY



# Pfister

## Pfirst Series™ Single Control Lavatory Faucet

LG142-0600 Finish(C) ☐LG142-060K Finish(K) ☒

- 1 or 3-Hole Installation
- Pforever Seal
- Push & Seal™ Pop-Up

## Specifications

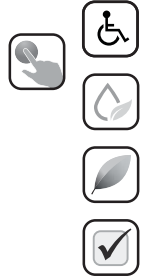
### Features

- 1.2 GPM Flow Rate
- 1 or 3-Hole Installation;  
Deck Plate or Single Hole  
Mounting Option
- Push & Seal™ Pop-Up,  
also Drilled for Pop-Up
- Pforever Seal Ceramic  
Disc Valve
- Pforever Warranty®

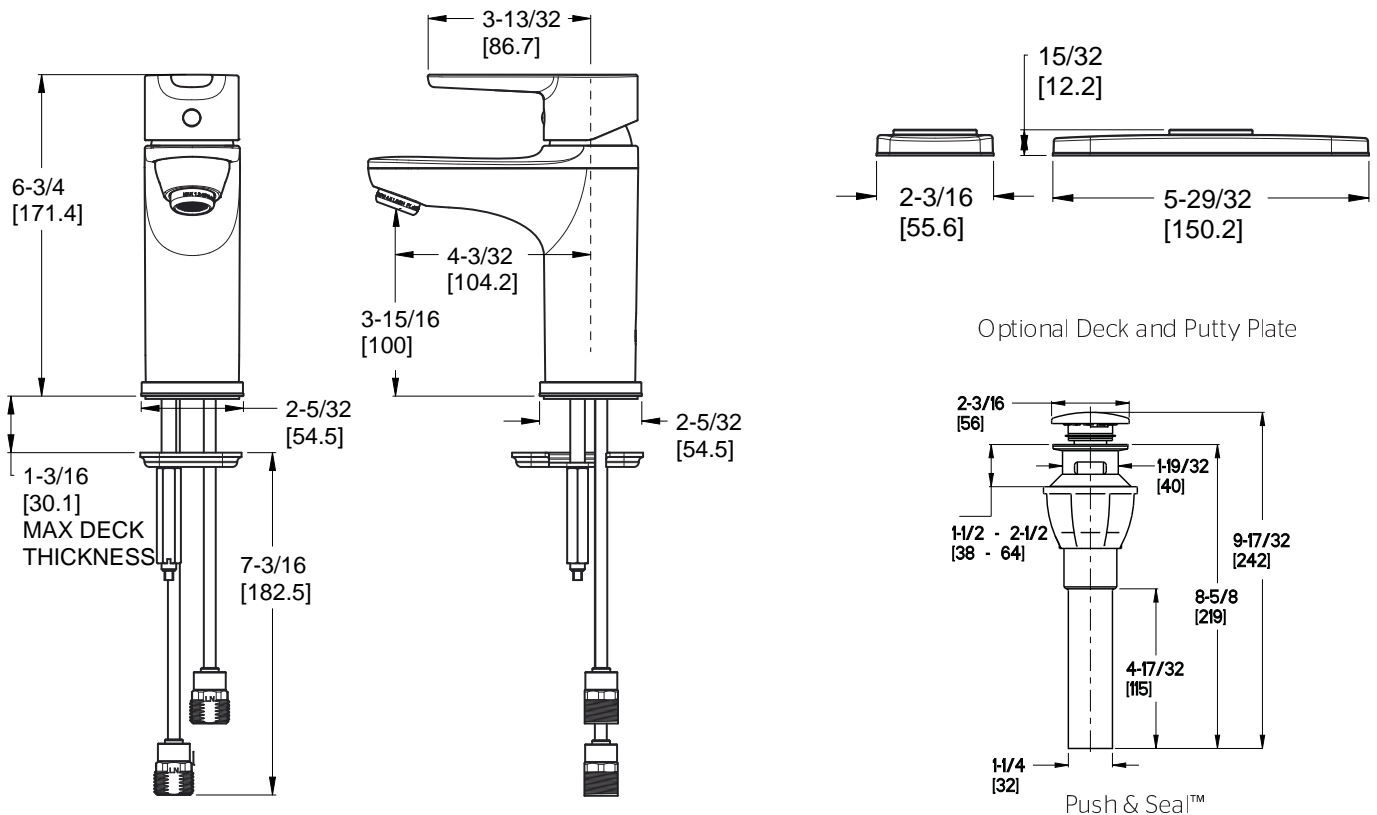
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- Cal Green Compliant
- CEC Compliant
- NSF 61/9 Annex G (Low lead)
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



Ø1 Min to Ø1-1/2 Max. Deck Hole Openings



**PF200 Series****Trap Covers****Product Features**

- ADA & UFAS Compliant
- No tools required contractor friendly Tear-To-Fit feature makes trimming fast
- Universal design fits virtually all lavatory applications
- Smooth, flush SnapClip™ fasteners firmly secure piping covers in place and are nonabrasive and reusable
- Antimicrobial vinyl maintain sanitary conditions
- Lock Lid™ on valve stops tampering and allows service
- Cleanout nut cap allows service on trap without disassembly
- Internal ribs enhance K valve and soften impact cushioning
- Fire retardant

**Model Numbers**

PF200WH	✓ PF202WH	PF205WH	PFEXT200WH
PF201WH	PF203WH	PF299WH	

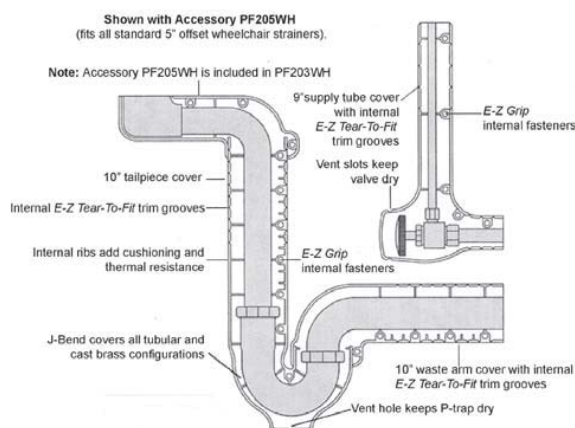
Material	Soft, resilient molded vinyl
Nominal Wall	1/8" constant with internal ribs
Durometer	70-80 – Shore A
UV Protection	Will not fade or discolor
Durability	Virtually indestructible
Trimming	E-Z Tear-To-Fit trim feature (no tools needed)
Fasteners	Internal E-Z Grip fasteners, reusable
Color	China white
Compatibility	Fits all 1-1/4" or 1-1/2" cast brass or tubular P-trap assemblies and 3/8" or 1/2" angle stop assemblies
Paintability	Apply latex paint
Burning Characteristics ASTM D-635	Self extinguished 0 sec (ATB) mm (AEB)
Bacterial/Fungus Resistance	ASTM G21 and G22 – Result: 0 growth
Maintenance	Wipe clean using common detergents

New E-Z Tear-To-Fit feature and E-Z Grip built-in fasteners make installation fast and easy!

1. Tear-To-Fit on internal, dimensioned tear lines for quick, clean, accurate trimming to fit virtually any piping configuration. Covers flex to install over pipes.
2. Press seams together at finger recesses to engage E-Z Grip internal fasteners for a secure, safe, tamper-resistant installation. To remove cover, firmly pull seam apart using a strong grip. To reinstall, press seams back together.

**Warranty and Codes**

This PROFLO product carries a 1-year limited warranty. This product meets ADA article 4.19.4; CABO/ANSI 4.20.4; UFAS 4.19.4; California Title 24; UPC/IAPMO ICC; Canada Barrier-Free Code. Made in USA.

**Product Specifications****PF201WH**

PF200WH	one P-trap cover
PF201WH	one P-trap cover, one angle valve and supply cover
PF202WH	one P-trap cover, two angle valves and supply covers
PF203WH	one P-trap cover, two angle valves and supply covers, one 5" offset tailpiece wheelchair strainer cover
PF299WH	one angle valve and supply cover
<b>ACCESSORIES</b>	
PF205WH	one 5" offset tailpiece wheelchair strainer assembly
<b>EXTENSIONS</b>	
PFEXT200WH	one 16" extension for drain waste or tailpiece







To Whom It May Concern:

This letter is to confirm that Dymotek Corporation manufactures the Proflo Trap Covers for Ferguson Enterprises and the Truebro Lav Guard for IPS Corporation.

The products distributed under the Proflo Trap Cover label are identical in every way to the Truebro Lav Guard 2 product line. Any specification for Truebro Lav Guard 2 can be substituted with the Proflo Trap Covers as an exact equal.

Please call if you have any questions.

Regards,

Thomas W. Trueb  
Vice President





		<b><u>T1/ UPF4:</u></b>
AGGT36TOLWH	AQUARIUS	60X36 LH SOAKER
PR89040K	PFISTER	VALVE ONLY TRIM KIT, MUST ORDER 0X8 VALVE SEPARATELY
PJ15070K	PFISTER	JOB PACK SINGLE FUNCTION MULTI-FUNCTION SHOWERHEAD
PJX8310A	PFISTER	SINGLE CONTROL PRESSURE BALANCE VALVE CERAMIC L/STP
		JOB PACK
PFWO354	PROFLO	W&O PVC SCH40 L&T H/KIT BRS BODY BN



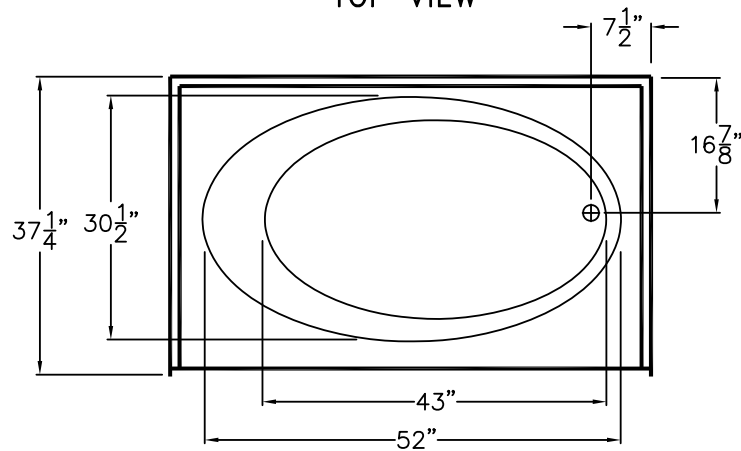
HANDED BY THE DRAIN

Model G GT 36 TO

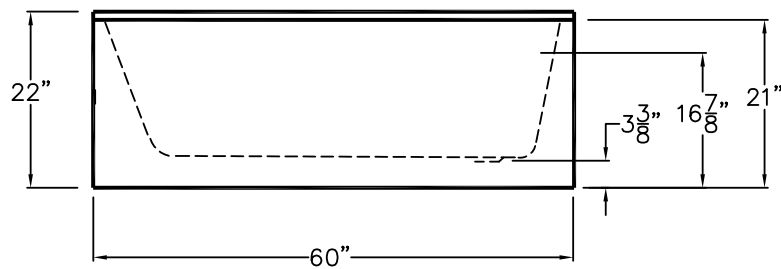
# Luxury Gelcoat Series

## SUBMITTAL DATA

TOP VIEW



FRONT VIEW



G GT36 TO. GELCOAT RECESS GARDEN STYLE BATHTUB  
WITH OVAL SHAPED WATER WELL AND INTEGRAL APRON SKIRT.  
BATHTUB HOLDS 55 US GALLONS MAXIMUM.

HANDED BY THE DRAIN LEFT OR RIGHT.

DUE TO THE NATURE OF THE MATERIALS  
DIMENSIONS MAY VARY  $\pm 1/2"$

Job Name:

AQUARIUS

Model No.: G GT 36 Gelcoat Bathtub.

Drawing#: G GT 36 TO

Approved by:

Date Approved:

Date: 1-26-01 Revised: 10-2-09

Rep.:

Wholesaler:

Quote No.:

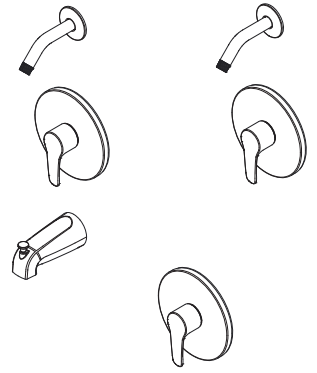
PRAXIS INDUSTRIES, LLC.  
435 INDUSTRIAL RD - SAVANNAH, TN 38372  
1 (800) 443-7269 - FAX (731) 925-4290



# Pfister

## Pfirst Series™ Tub And Shower Trim

- R89-0400 Finish(C) ☐
- R89-040K Finish(K) ☐
- R89-0600 Finish(C) ☐
- R89-060K Finish(K) ☐
- R89-0700 Finish(C) ☐
- R89-070K Finish(K) ☐**



## Specifications

### Features

- Trim Only, Valve Not Included
- Trim Less Showerhead
- Fits OX8 and JX8 Valve Bodies
- Tub & Shower (O70\* Only)
- Shower Only (O60\* Only)
- Flange Only (O40\* Only)
- Quick Trim Installation- Installs with No Tools or Exposed Screws
- Quick Connect Tub Spout (O70\* Only)
- Pforever Warranty®

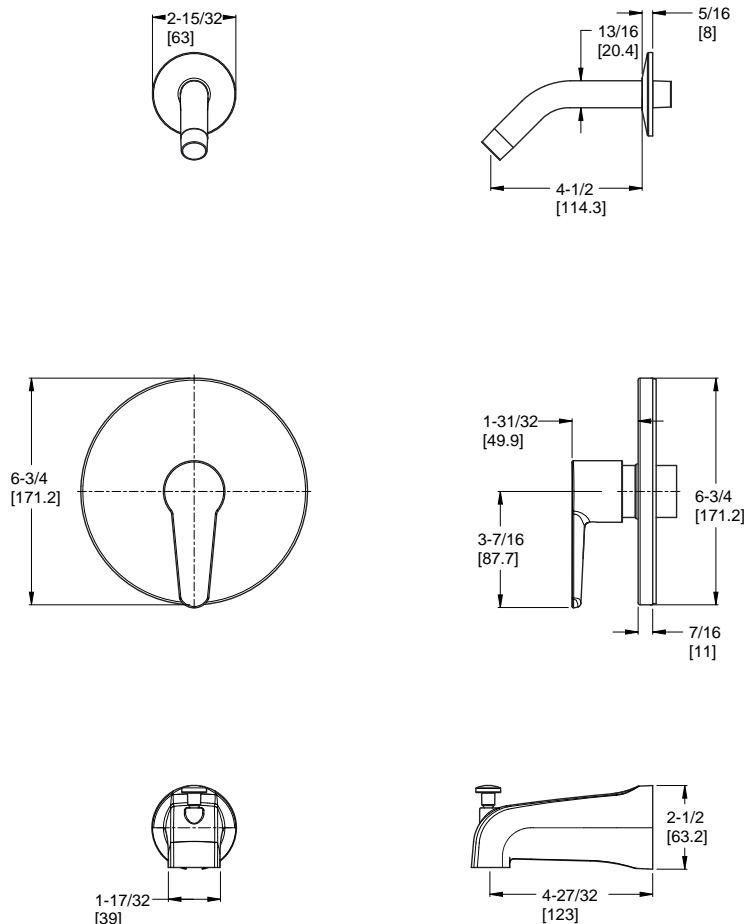
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- NSF 61/9 Annex G (Low lead)
- ADA Compliant-ANSI A117.1 (Lever handles only)



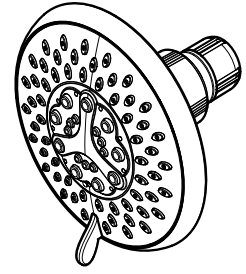
## Dimensions





# Pfister

## Pfirst Modern™ 5 Function Traditional Showerhead

J15-070C Finish(C) ☐J15-070K Finish(K) ☒

### Specifications

#### Features

- Job Pack: Contains 12 Showerheads
- 1.8 GPM Flow Rate
- Multi-Function Showerhead (5 Functions)
- Arm/ Flange Not Included
- Brass Ball Joints
- Pforever Warranty®

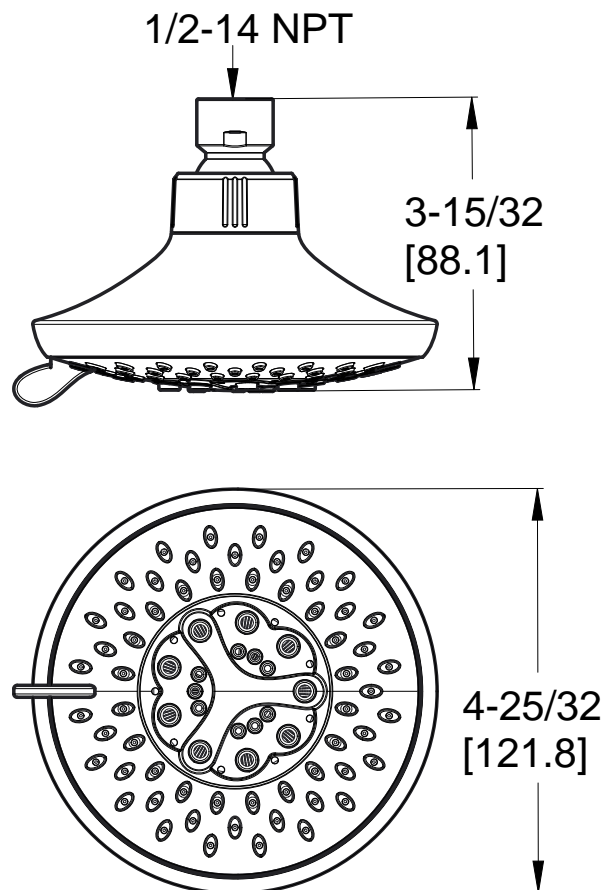
#### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- CEC Compliant



### Dimensions



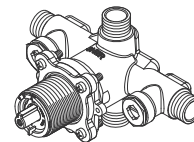
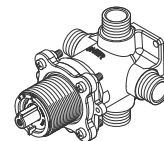


# Pfister

## Pfirst Series™ Tub And Shower Valve

OX8-310A Finish(XX) ☐OX8-340A Finish(XX) ☐JX8-310A Finish(XX) ☒JX8-340A Finish(XX) ☐

- Single Handle
- Valve Only
- Pforever Seal



## Specifications

### Features

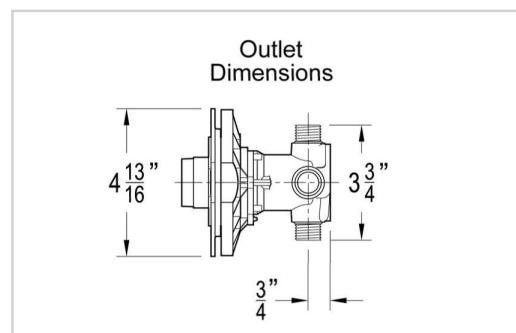
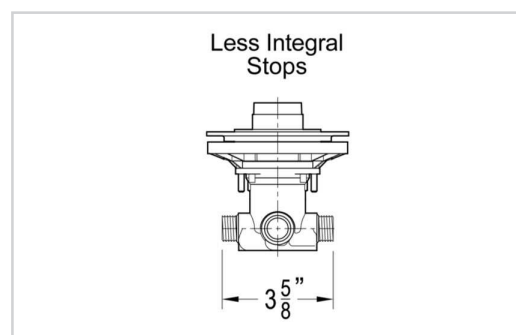
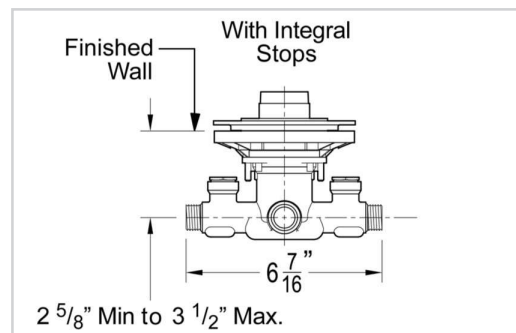
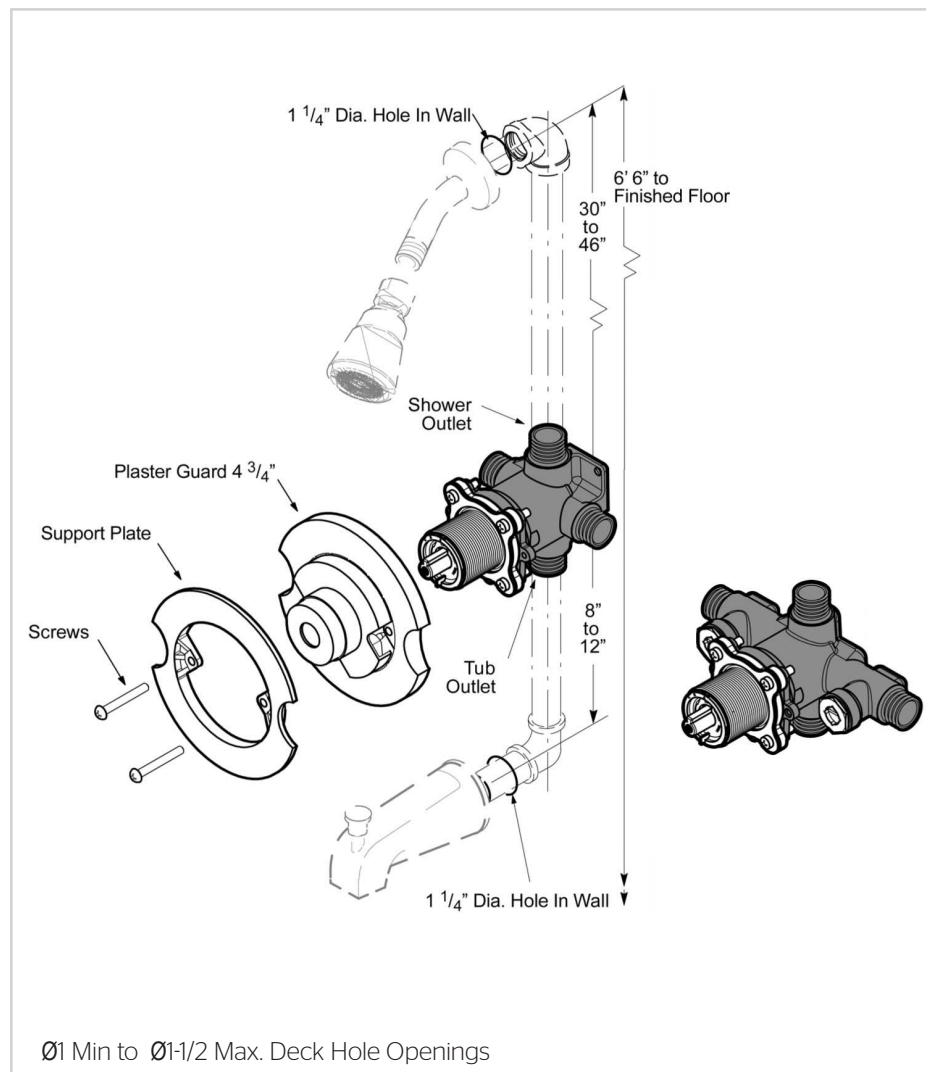
- Solid Brass Construction
- Back-to-Back Installation
- Includes Plug for Shower Only
- Dual 1/2" I.P. or 1/2" Copper Sweat Connections
- Job Pack Quantities (JX8 Only)
- Diaphragm Pressure Balance Valve
- Temperature Limit Stop Included
- Anti-Scald Shower Cartridge
- Integral Stops (340A Only)
- Valve Only
- Pforever Warranty®

### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- ASSE 1016

## Dimensions





# PFW0320 /PFW0350 Series



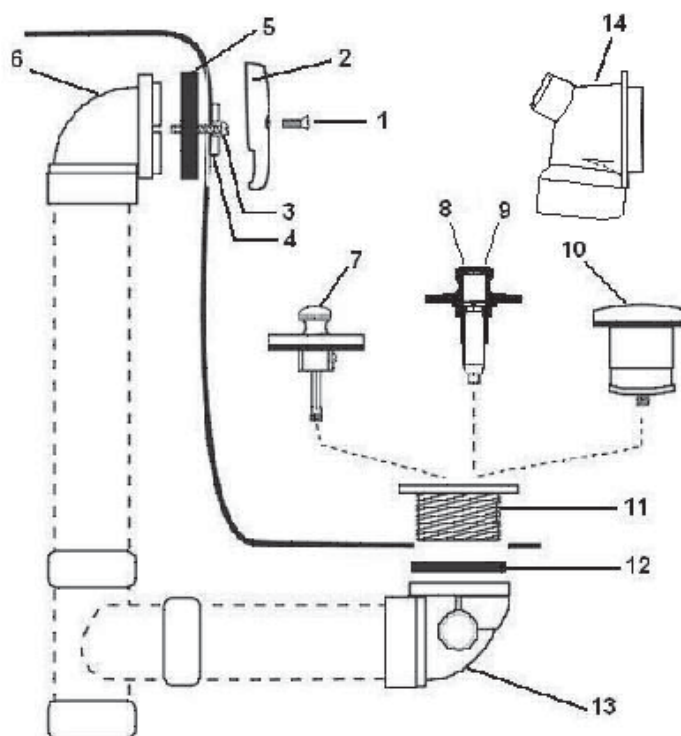
## W&O Half Kit - SCH40

✓ For Submittal	Model Number	Description	Style	Drain Body	Finish
	PFW0320	W&O Half Kit - ABS SCH40	Lift & Turn	Zinc	Chrome plated trim
	PFW0321	W&O Half Kit - ABS SCH40	Toe Tap	Brass	Chrome plated trim
	PFW0322	W&O Half Kit - ABS SCH40	Lift & Turn	Brass	Chrome plated trim
	PFW0350	W&O Half Kit - PVC SCH40	Lift & Turn	Zinc	Chrome plated trim
	PFW0351	W&O Half Kit - PVC SCH40	Toe Tap	Brass	Brushed nickel trim
	PFW0352	W&O Half Kit - PVC SCH40	Toe Tap	Brass	Chrome plated trim
✓	PFW0353	W&O Half Kit - PVC SCH40	Toe Tap	Brass	Polished brass trim
	PFW0354	W&O Half Kit - PVC SCH40	Lift & Turn	Brass	Brushed nickel trim
	PFW0355	W&O Half Kit - PVC SCH40	Lift & Turn	Brass	Chrome plated trim
	PFW0356	W&O Half Kit - PVC SCH40	Lift & Turn	Brass	Polished brass trim



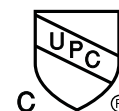
PFW0320

No.	Model Number	Part name	Material
1	PF402	Overflow plate screw	Brass
2		Overflow plate	Zinc
3	PF402BS	Adapter screw	Brass
4		Adapter bar	Aluminum
5	N/A	Overflow gasket	Rubber
6	N/A	Overflow elbow	PVC/ABS
7	PFW0900	Lift & Turn Stopper 3/8	Zinc
8	PFW0902	Push/Pull Stopper 3/8	Zinc
9	PFW0903	Push/Pull Stopper 3/8 & 5/16	Zinc
10	PFW0901	Toe Tap Stopper 3/8	Plastic
11	PFW0904	Strainer body	Brass
12		Strainer body gasket	Rubber
13	N/A	Waste elbow	PVC/ABS
14	PFW0950	Condensate elbow	PVC



### Warranty and Codes

This PROFLO product carries a 1-year limited warranty.







S721311000	STERLING	<b><u>SH1/ UPF7/8:</u></b>
PR89060K	PFISTER	60 ENSEMBLE SHOWER RECEPTOR WHT
		SHOWER ONLY TRIM KIT, MUST ORDER SHOWERHEAD AND 0X8
		VALVE SEPARATELY
PJ15070K	PFISTER	JOB PACK SINGLE FUNCTION MULTI-FUNCTION SHOWERHEAD
PJX8310A	PFISTER	SINGLE CONTROL PRESSURE BALANCE VALVE CERAMIC L/STP
		JOB PACK





ENSEMBLE™

## Features

- Compression molded from our exclusive solid Vikrell® material
- Available with tile or curve wall surrounds
- Durable high-gloss finish
- 10-year consumer/3-year commercial limited warranty
- 60-1/4" (153 cm) x 34" (86.4 cm) x 5-1/2" (14 cm) receptor rough-in dimensions include nailing flange
- 60" (152.4 cm) x 34" (86.4 cm) x 4-1/2" (11.4 cm) unit finished dimensions

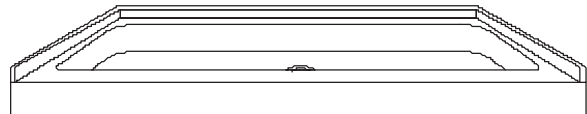
## 60" (152.4 cm) SHOWER RECEPTOR 72131100



## Codes/Standards Applicable

Specified model meets or exceeds the following:

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



## Colors/Finishes

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

## Specified Model

Model	Description	Colors/Finishes	
		<input checked="" type="checkbox"/> 0	<input type="checkbox"/> Other_____
72131100	60" (152.4 cm) shower receptor		



# ENSEMBLE™

## Technical Information

Model	door maximum width	door maximum height
72131100	*56-5/8" (143.8 cm)	*NA
* Varies with alternative walls.		

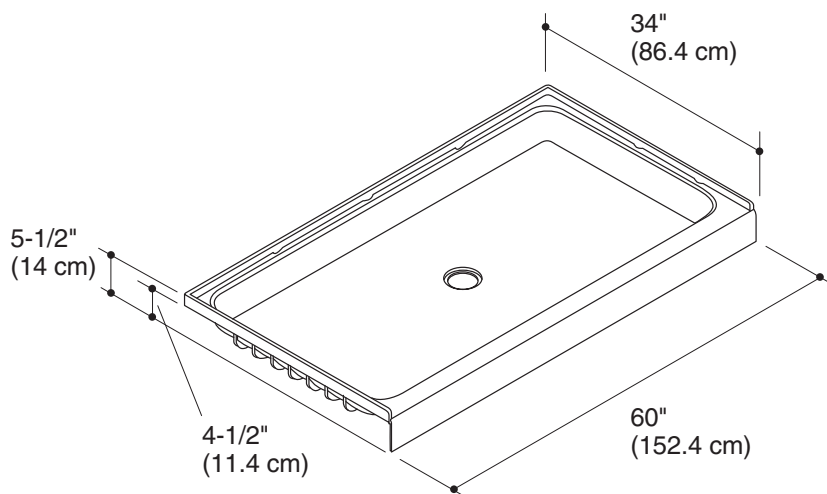
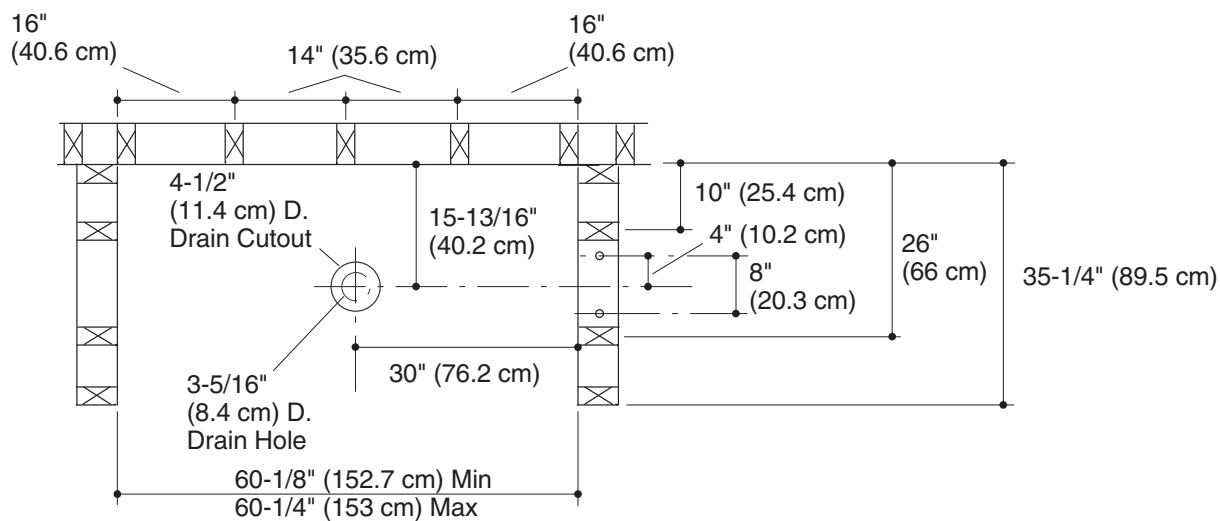
Size the drain cutout to fit the drain assembly that will be used.

Double studding is recommended for pivot shower door installations.

Studs should be positioned roughly as shown.

## Installation Notes

Install this product according to the installation guide.

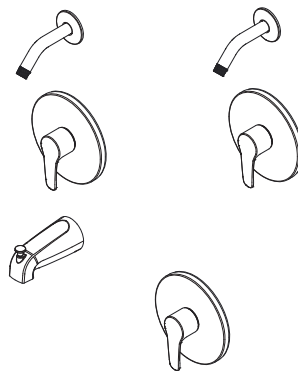


## Product Diagram



# Pfister

## Pfirst Series™ Tub And Shower Trim

R89-0400 Finish(C) ☐R89-040K Finish(K) ☐R89-0600 Finish(C) ☐R89-060K Finish(K) ☒R89-0700 Finish(C) ☐R89-070K Finish(K) ☐

## Specifications

- Trim Only, Valve Not Included

### Features

- Trim Only, Valve Not Included
- Trim Less Showerhead
- Fits OX8 and JX8 Valve Bodies
- Tub & Shower (O70\* Only)
- Shower Only (O60\* Only)
- Flange Only (O40\* Only)
- Quick Trim Installation- Installs with No Tools or Exposed Screws
- Quick Connect Tub Spout (O70\* Only)
- Pforever Warranty®

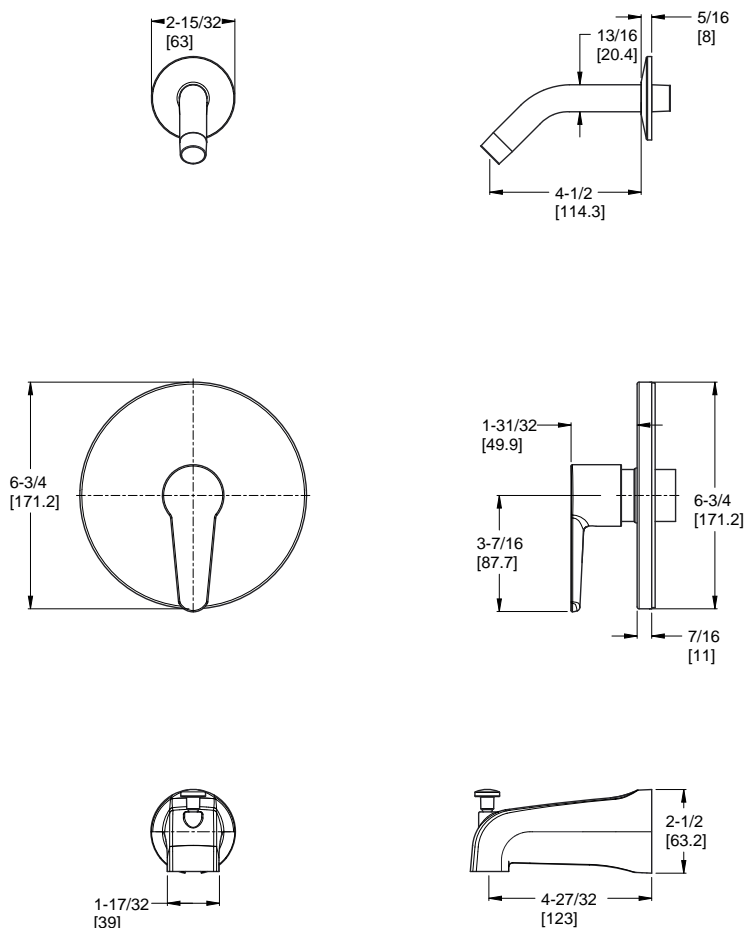
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- NSF 61/9 Annex G (Low lead)
- ADA Compliant-ANSI A117.1 (Lever handles only)



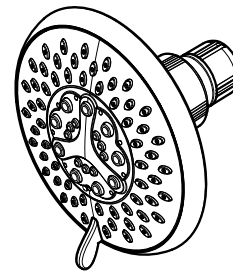
## Dimensions





# Pfister

## Pfirst Modern™ 5 Function Traditional Showerhead

J15-070C Finish(C) ☐J15-070K Finish(K) ☒

### Specifications

- Multi-Function Showerhead

#### Features

- Job Pack: Contains 12 Showerheads
- 1.8 GPM Flow Rate
- Multi-Function Showerhead (5 Functions)
- Arm/ Flange Not Included
- Brass Ball Joints
- Pforever Warranty®

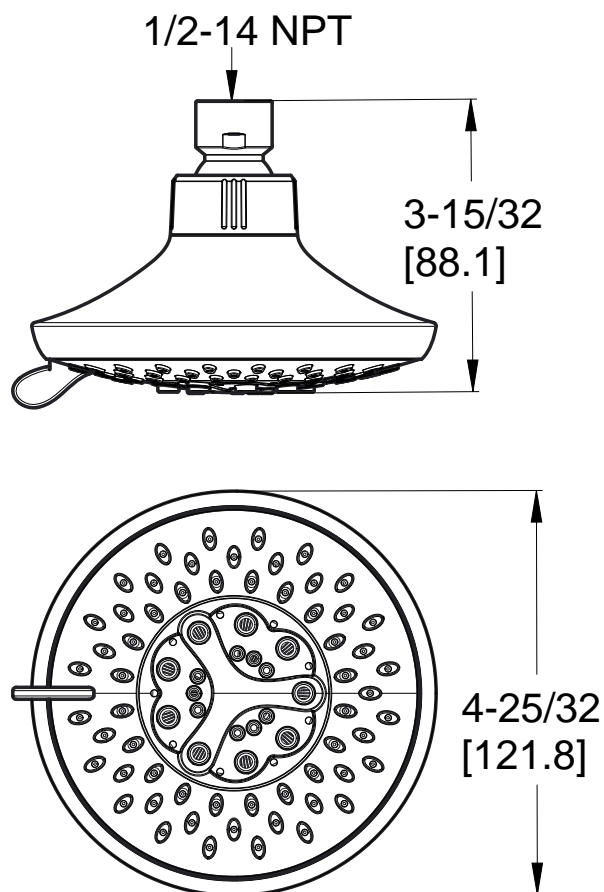
#### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- CEC Compliant



### Dimensions



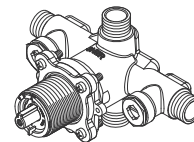
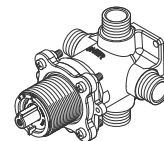


# Pfister

## Pfirst Series™ Tub And Shower Valve

OX8-310A Finish(XX) ☐OX8-340A Finish(XX) ☐JX8-310A Finish(XX) ☒JX8-340A Finish(XX) ☐

- Single Handle
- Valve Only
- Pforever Seal



## Specifications

### Features

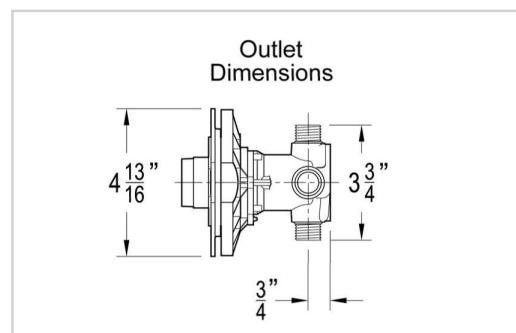
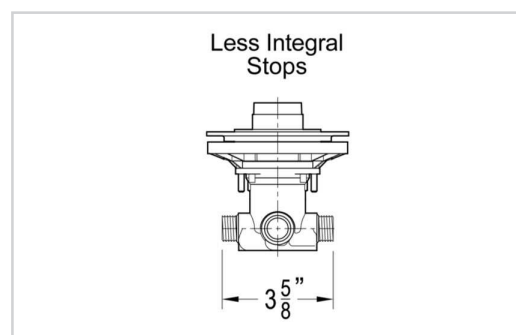
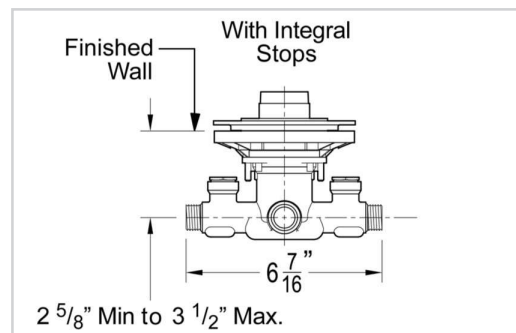
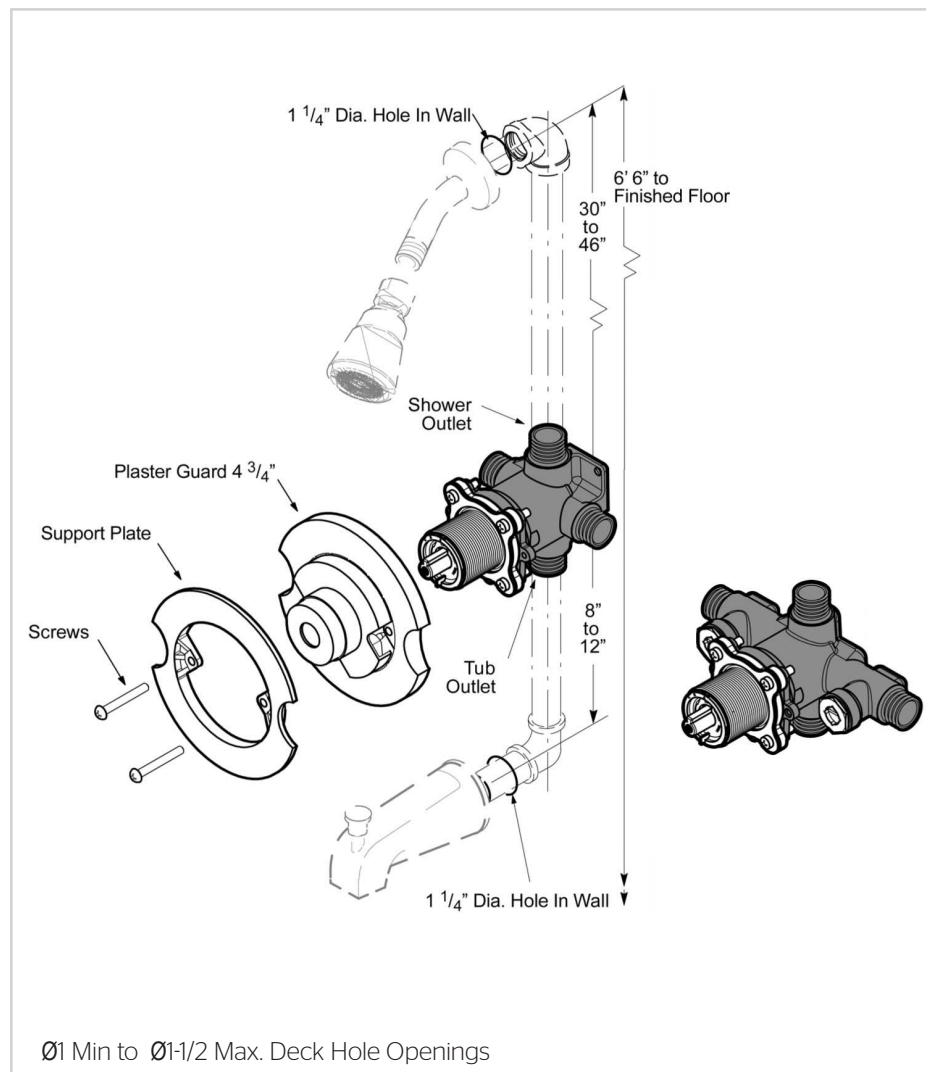
- Solid Brass Construction
- Back-to-Back Installation
- Includes Plug for Shower Only
- Dual 1/2" I.P. or 1/2" Copper Sweat Connections
- Job Pack Quantities (JX8 Only)
- Diaphragm Pressure Balance Valve
- Temperature Limit Stop Included
- Anti-Scald Shower Cartridge
- Integral Stops (340A Only)
- Valve Only
- Pforever Warranty®

### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- ASSE 1016

## Dimensions







FREE OM Shower		<b><u>SH1H/ UPF7/8:</u></b>
PR89060K	PFISTER	APF6232BFPANLR
		SHOWER ONLY TRIM KIT, MUST ORDER SHOWERHEAD AND 0X8
		VALVE SEPARATELY
PJ15070K	PFISTER	JOB PACK SINGLE FUNCTION MULTI-FUNCTION SHOWERHEAD
PJX8310A	PFISTER	SINGLE CONTROL PRESSURE BALANCE VALVE CERAMIC L/STP
		JOB PACK
PLG16CB0K	PFISTER	HNDSHW 16 AV 5F W/HOSE- ARM 1.8GPM BN
P016160K	PFISTER	HAND SHOWER SLDBR BRUSHED NICKEL
P016170K	PFISTER	DROP ELBOW BRUSHED NICKEL
P0154WDX	PFISTER	2 PORT 3 WAY DIVERTER



## Freedom Code Compliant Shower Pan 62" x 32"

Model  
APF6232BFPANLR

62 7/16" x 32 1/4" x 4 1/2"

One Piece Shower Pan

1" barrier free threshold  
with pre-leveled and  
reinforced shower base  
for easy installation

Textured Floor

Durable, luxurious and easy  
to clean applied acrylic

Accessories available:  
Grab bars, folding shower  
seat, collapsible water  
retainer, weighted shower  
curtain and rod, slide bar  
with handheld shower,  
pressure balance valve,  
caulkless drain



Left drain shown

Lifetime Limited Warranty

Shower Pan is ADA compliant when installed with available  
ADAAG accessories.



# FREEDOM SHOWERS

## MODEL: APF6232BFPANLR Freedom Code Compliant Shower Pan

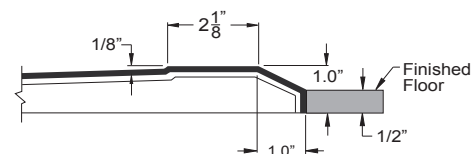
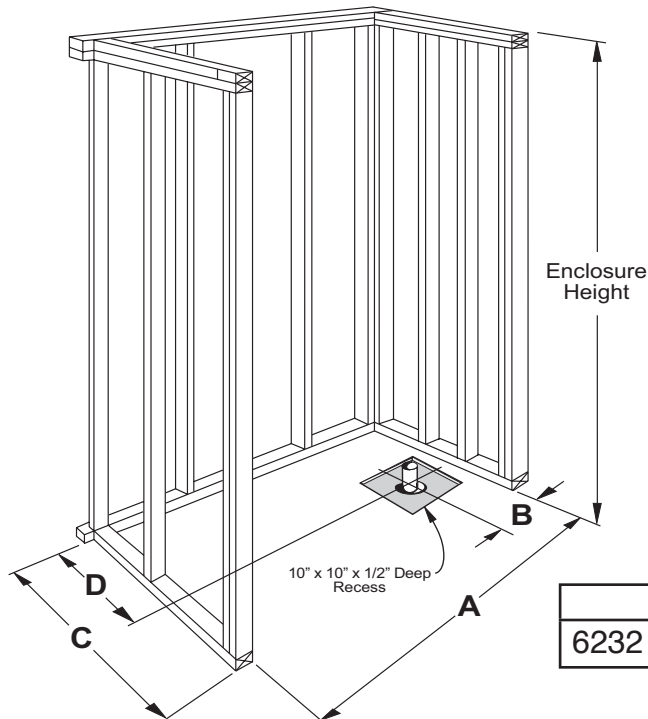
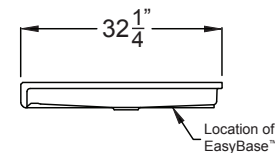
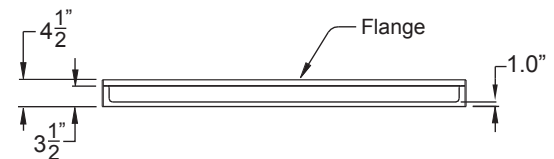
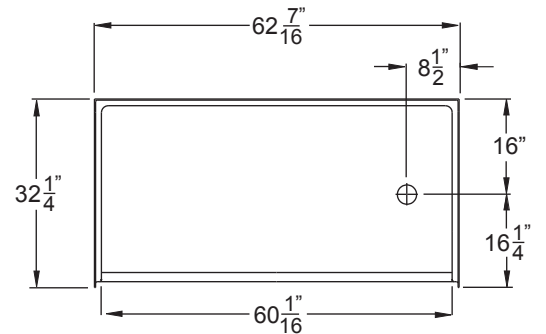
### Submittal Data

#### Product Features

- 62 7/16" x 32 1/4" x 4 1/2"
- 1" barrier free threshold.
- Self-supporting and pre-leveled shower base eliminates mud setting
- Easy to clean applied acrylic
- Textured slip-resistant floor
- Left or Right drain location

#### Code Compliance

- ADA
- IPC International Plumbing Code
- UPC Uniform Plumbing Code
- ANSI Z124.2 Standards for Plastic Showers
- CSA



THRESHOLD VIEW

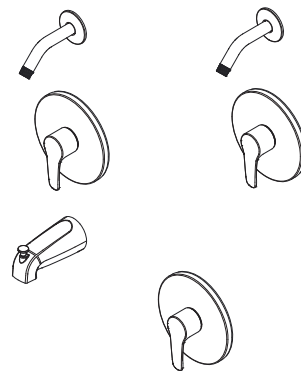
	A	B	C	D
6232 PAN	62 11/16"	8 9/16"	32 1/4"	16"



# Pfister

## Pfirst Series™ Tub And Shower Trim

- R89-0400 Finish(C) ☐
- R89-040K Finish(K) ☐
- R89-0600 Finish(C) ☐
- R89-060K Finish(K) ☒
- R89-0700 Finish(C) ☐
- R89-070K Finish(K) ☐



## Specifications

- Trim Only, Valve Not Included

### Features

- Trim Only, Valve Not Included
- Trim Less Showerhead
- Fits OX8 and JX8 Valve Bodies
- Tub & Shower (O70\* Only)
- Shower Only (O60\* Only)
- Flange Only (O40\* Only)
- Quick Trim Installation- Installs with No Tools or Exposed Screws
- Quick Connect Tub Spout (O70\* Only)
- Pforever Warranty®

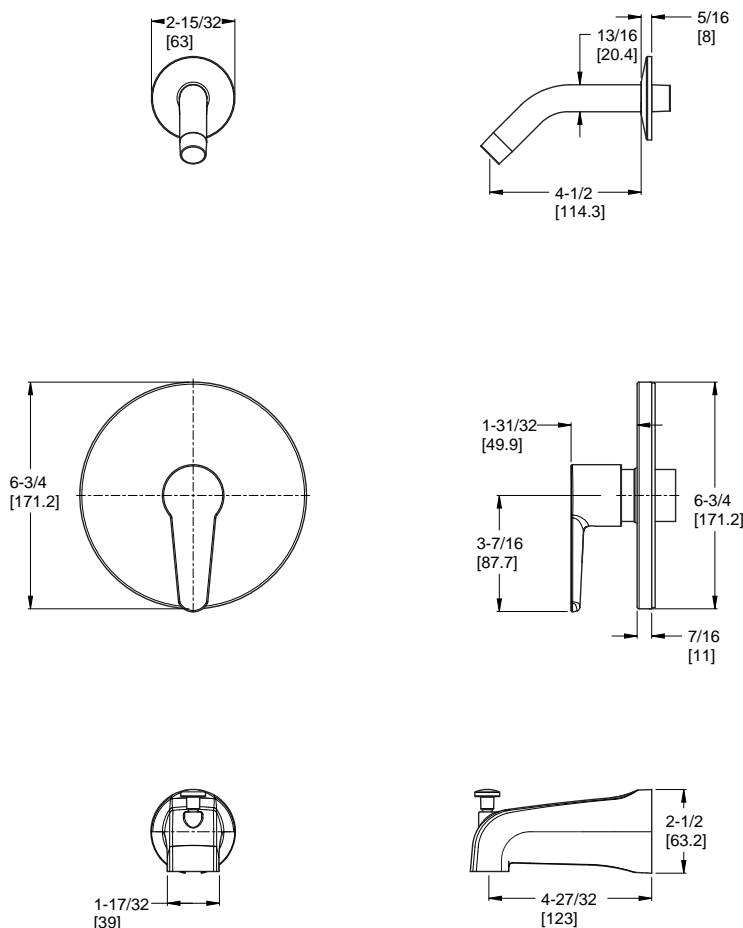
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- NSF 61/9 Annex G (Low lead)
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions

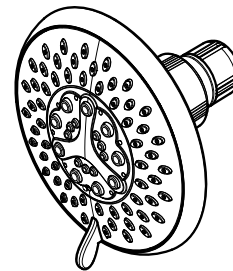




# Pfister

## Pfirst Modern™ 5 Function Traditional Showerhead

J15-070C Finish(C) ☐  
J15-070K Finish(K) ☒



### Specifications

#### Features

- Job Pack: Contains 12 Showerheads
- 1.8 GPM Flow Rate
- Multi-Function Showerhead (5 Functions)
- Arm/ Flange Not Included
- Brass Ball Joints
- Pforever Warranty®

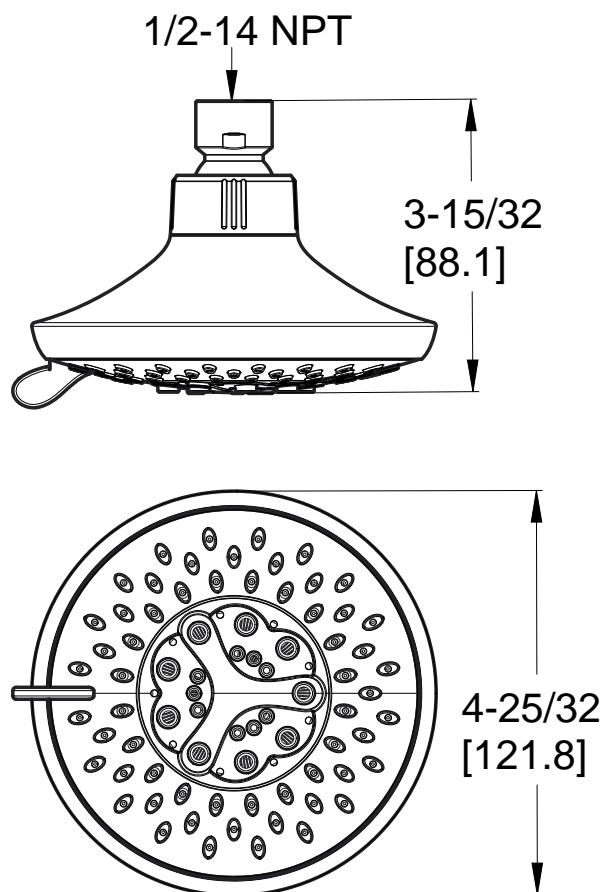
#### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- CEC Compliant



### Dimensions



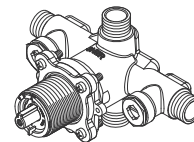
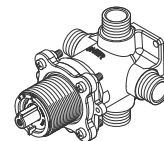


# Pfister

## Pfirst Series™ Tub And Shower Valve

OX8-310A Finish(XX) ☐OX8-340A Finish(XX) ☐JX8-310A Finish(XX) ☒JX8-340A Finish(XX) ☐

- Single Handle
- Valve Only
- Pforever Seal



## Specifications

### Features

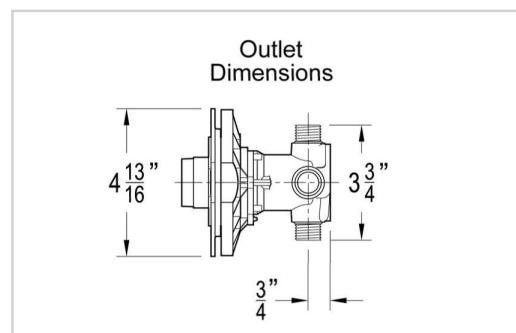
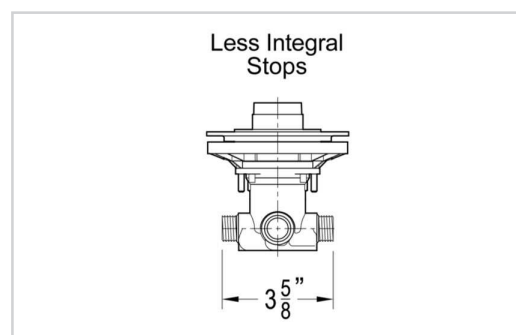
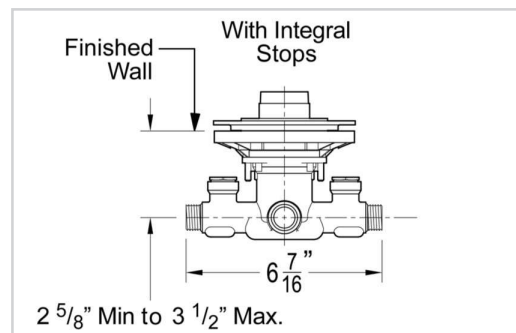
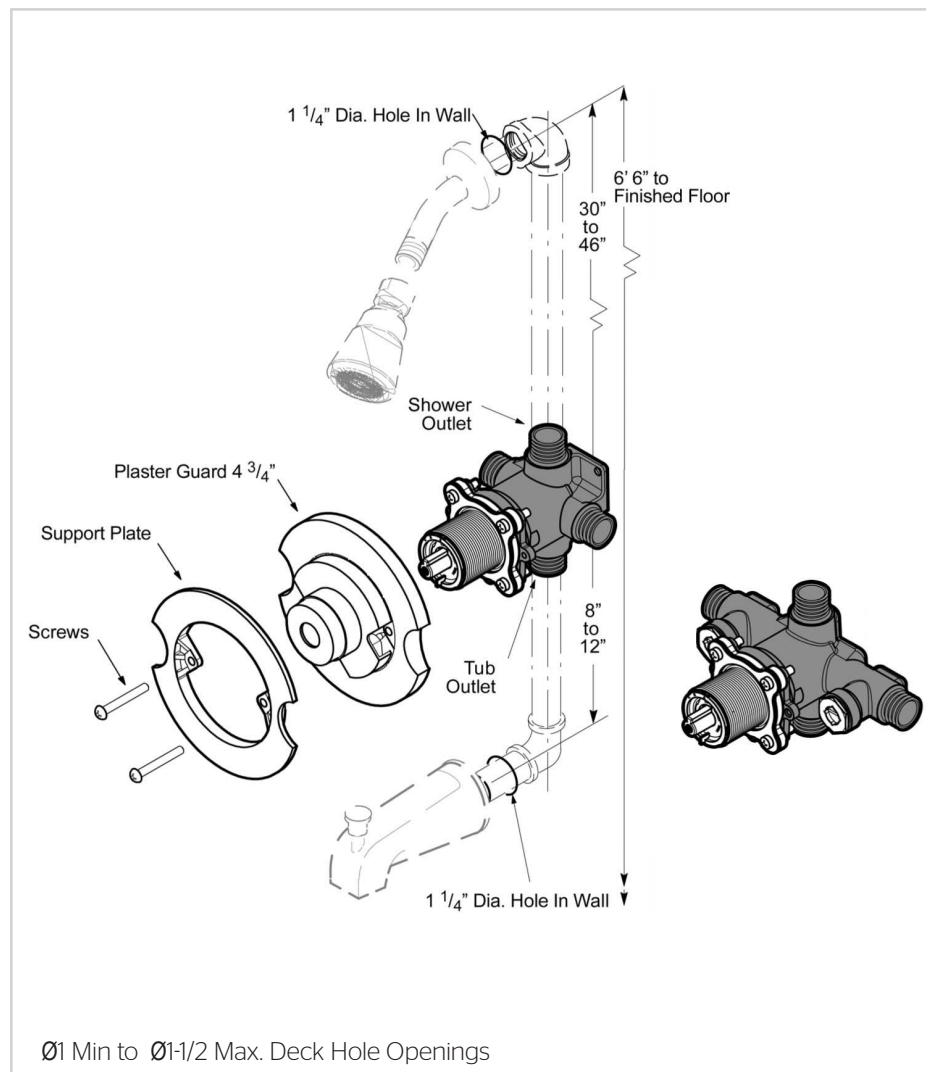
- Solid Brass Construction
- Back-to-Back Installation
- Includes Plug for Shower Only
- Dual 1/2" I.P. or 1/2" Copper Sweat Connections
- Job Pack Quantities (JX8 Only)
- Diaphragm Pressure Balance Valve
- Temperature Limit Stop Included
- Anti-Scald Shower Cartridge
- Integral Stops (340A Only)
- Valve Only
- Pforever Warranty®

### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- ASSE 1016

## Dimensions

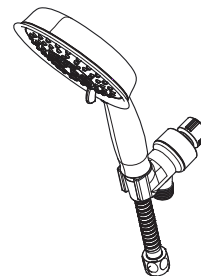




# Pfister

## Avalon™ Hand-Held Shower

- LG16-CBOC Finish(C) ☐  
 LG16-CBOK Finish(K) ☒  
 LG16-CBOY Finish(Y) ☐



## Specifications

### Features

- 1.8 GPM Shower Head
- 5 Function Hand Shower with Dual Check Valves (Full, Rinse, Drench, Massage, and Combo)
- Includes Hand Shower, Hose, and Shower Arm Mount
- Pforever Warranty®

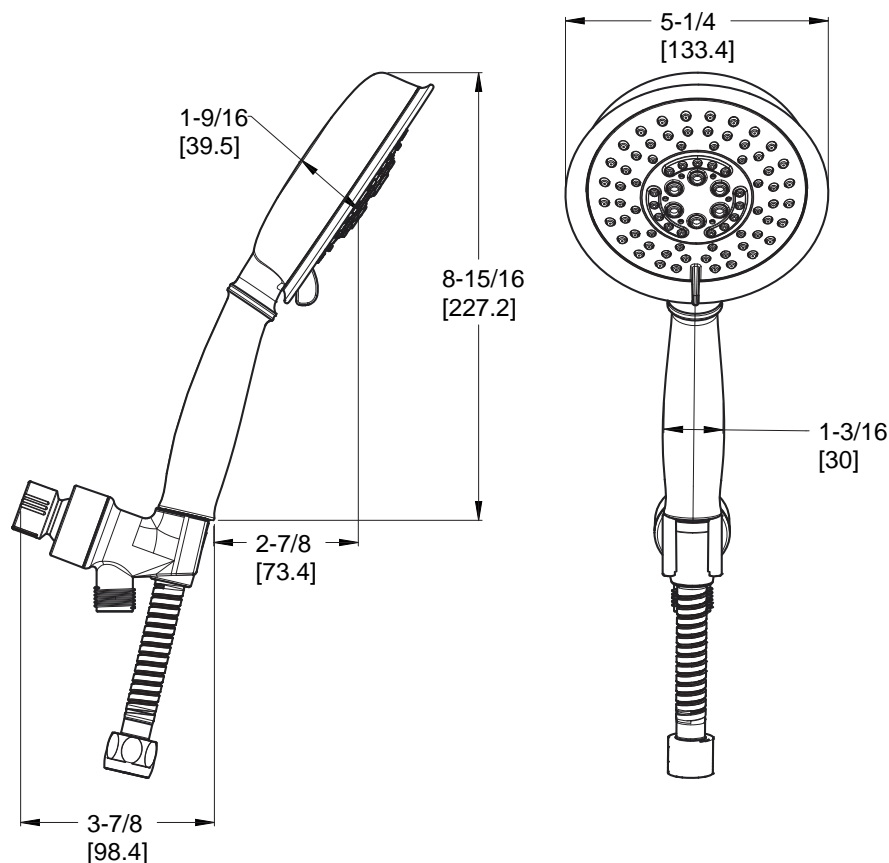
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- Cal Green Compliant
- CEC Compliant
- ADA Compliant-ANSI A117.1 (Lever handles only)
- EPA WaterSense Certification 1.8 gpm, 6.8 L/Min
- ASME A112.18.3 (Backflow Prevention)



## Dimensions





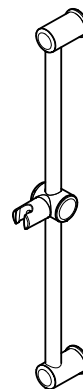
# Pfister

## Shower Products

### Mounting Accessory

- 016-160C Finish(C) ☐  
 016-160K Finish(K) ☒  
 016-160U Finish(U) ☐  
 016-160Y Finish(Y) ☐

- Valve Not Included
- Includes Wall Mounted Slide Bar Only
- Push Button Mechanism

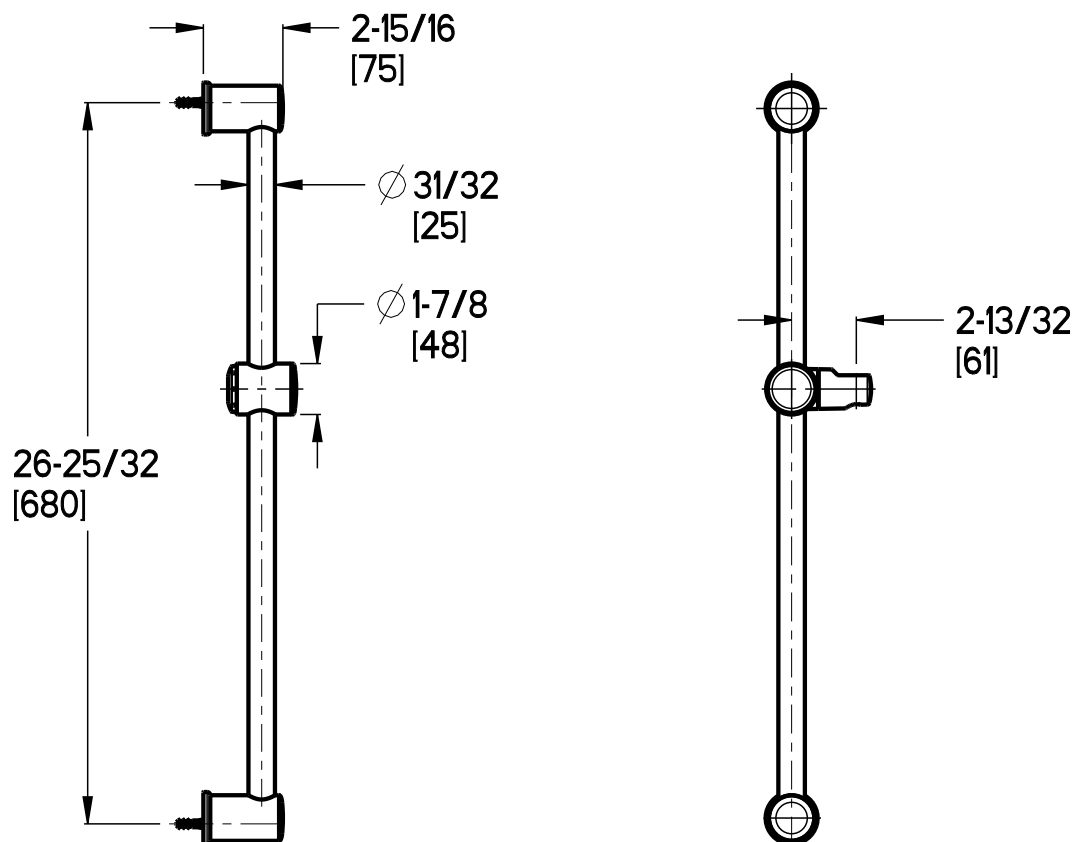


## Specifications

### Features

- Includes Wall Mounted Slide Bar Only
- Push Button Mechanism
- Pforever Warranty®

## Dimensions



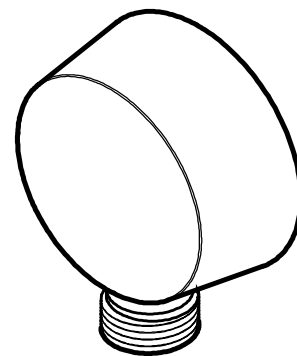


# Pfister

## Shower Products

### Mounting Accessory

- 016-170C Finish(C) ☐
- 016-170E Finish(E) ☐
- 016-170K Finish(K) ☒
- 016-170U Finish(U) ☐
- 016-170Y Finish(Y) ☐



## Specifications

### Features

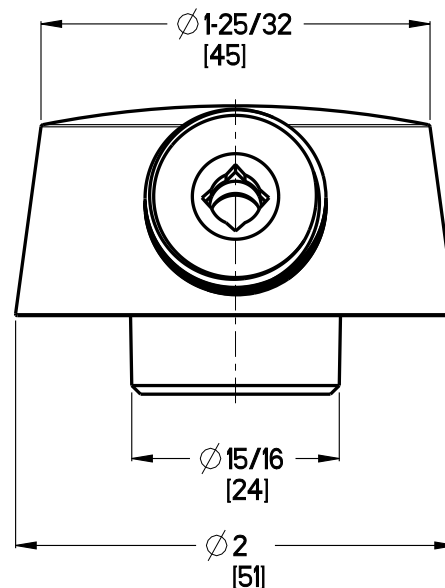
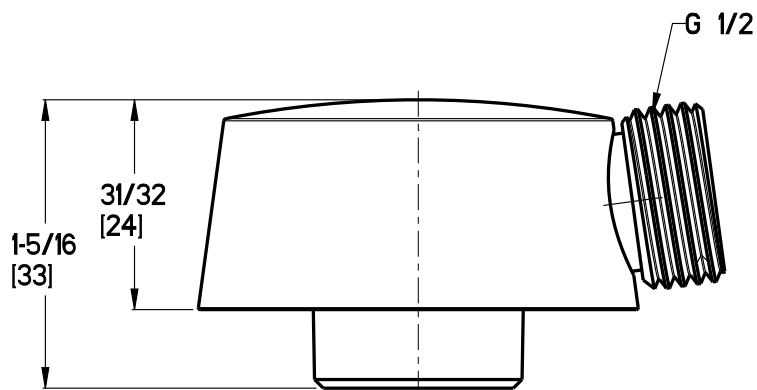
- 1/2" IP Connection
- Pforever Warranty®

### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1

## Dimensions

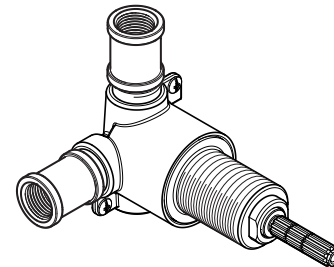




# Pfister

## In-Wall Diverter Valve

O15-4WDX Finish(XX) ✓



## Specifications

### Features

- All Metal Construction
- Pforever Warranty®

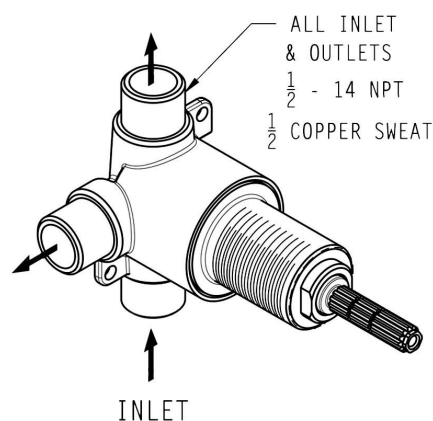
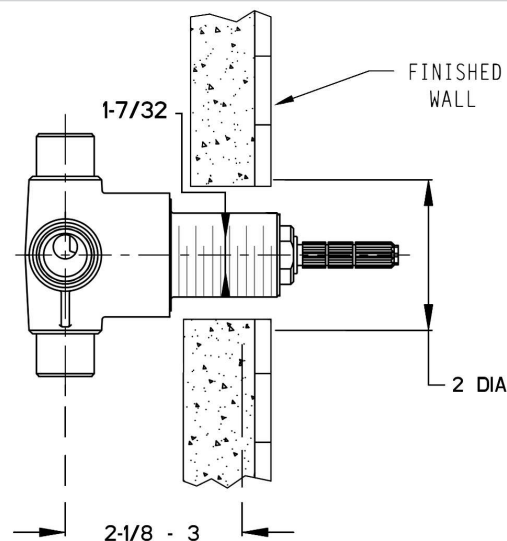
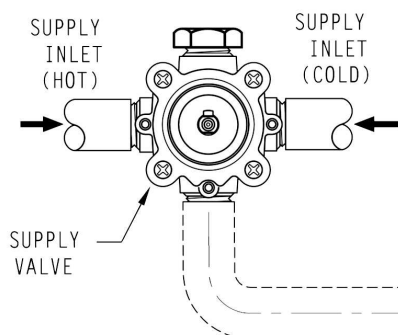
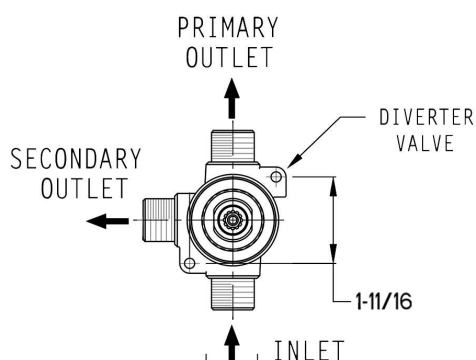
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions







LG529SAS

RRICE PFISTER

**S1/ UPF9:**

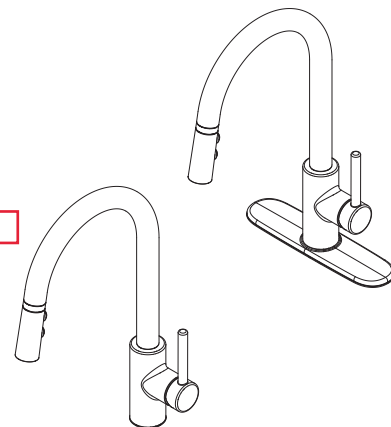
LEAD LAW COMPLIANT 1 HANDLE LEVER KITCHEN FAUCET WITH  
PULL DOWN POLISHED CHROME



LG529-SAB Finish(B) ☐

LG529-SAC Finish(C) ☐

LG529-SAS Finish(S) ☒



## Specifications

- 1 or 3-Hole Installation
- Pforever Seal

### Features

- 1.8 GPM Flow Rate
- 3 Function Pull-Down Sprayer
- 1 or 3-Hole Installation; Deck Plate or Single Hole Mounting Option
- AccuDock™ Sprayhead Docking
- Pforever Seal Ceramic Disc Valves
- Pforever Warranty®

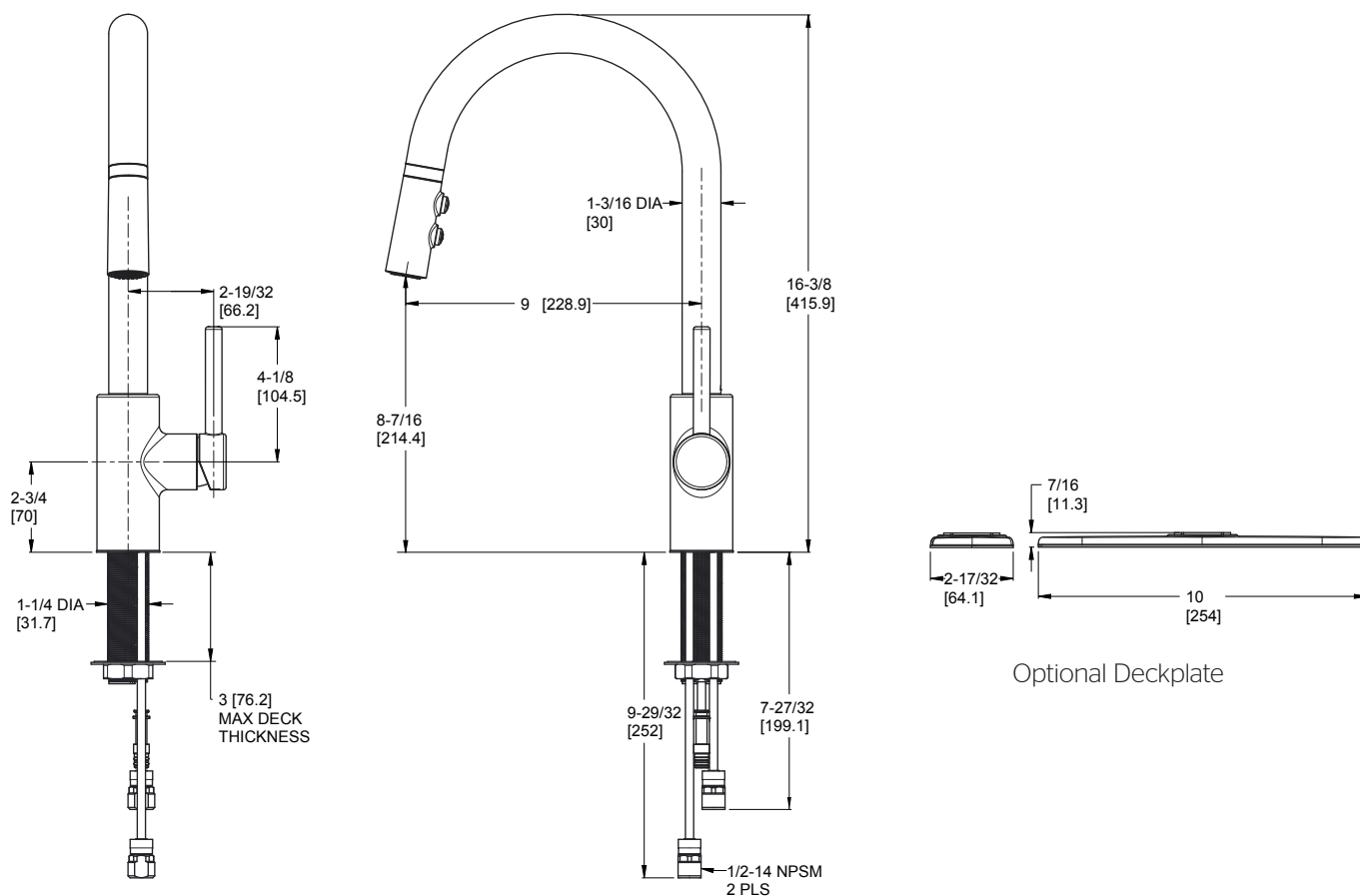
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- CEC Compliant
- Cal Green Compliant
- NSF 61/9 Annex G (Low lead)
- ADA Compliant-ANSI A117.1 (Lever handles only)

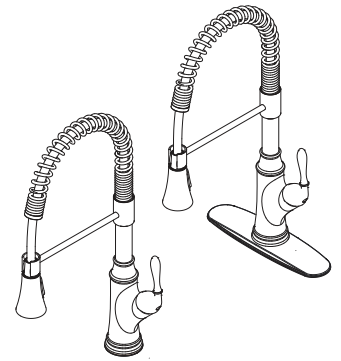


## Dimensions



Ø1-3/8 Min to Ø1-1/2 Max. Deck Hole Openings





TOP FLOOR ON ALL  
BUILDINGS TOTAL  
62 UNITS/  
INCLUDES 4 UNITS  
ABOVE LEASING

- 2 Function Pull-Down Sprayer
- Optional Deckplate Included
- Pforever Seal

## Specifications

### Features

- 1.8 GPM Flow Rate
- 1, 2, 3, or 4-Hole Installation; Deck Plate or Single Hole Mounting Option
- 2 Function Pull-Down Sprayer
- 22" Hose
- Mounting Hardware Included
- Pfaster Connect

- TiteSeal™ Deckplate
- Pforever Seal Ceramic Disc Valve
- Pforever Warranty®

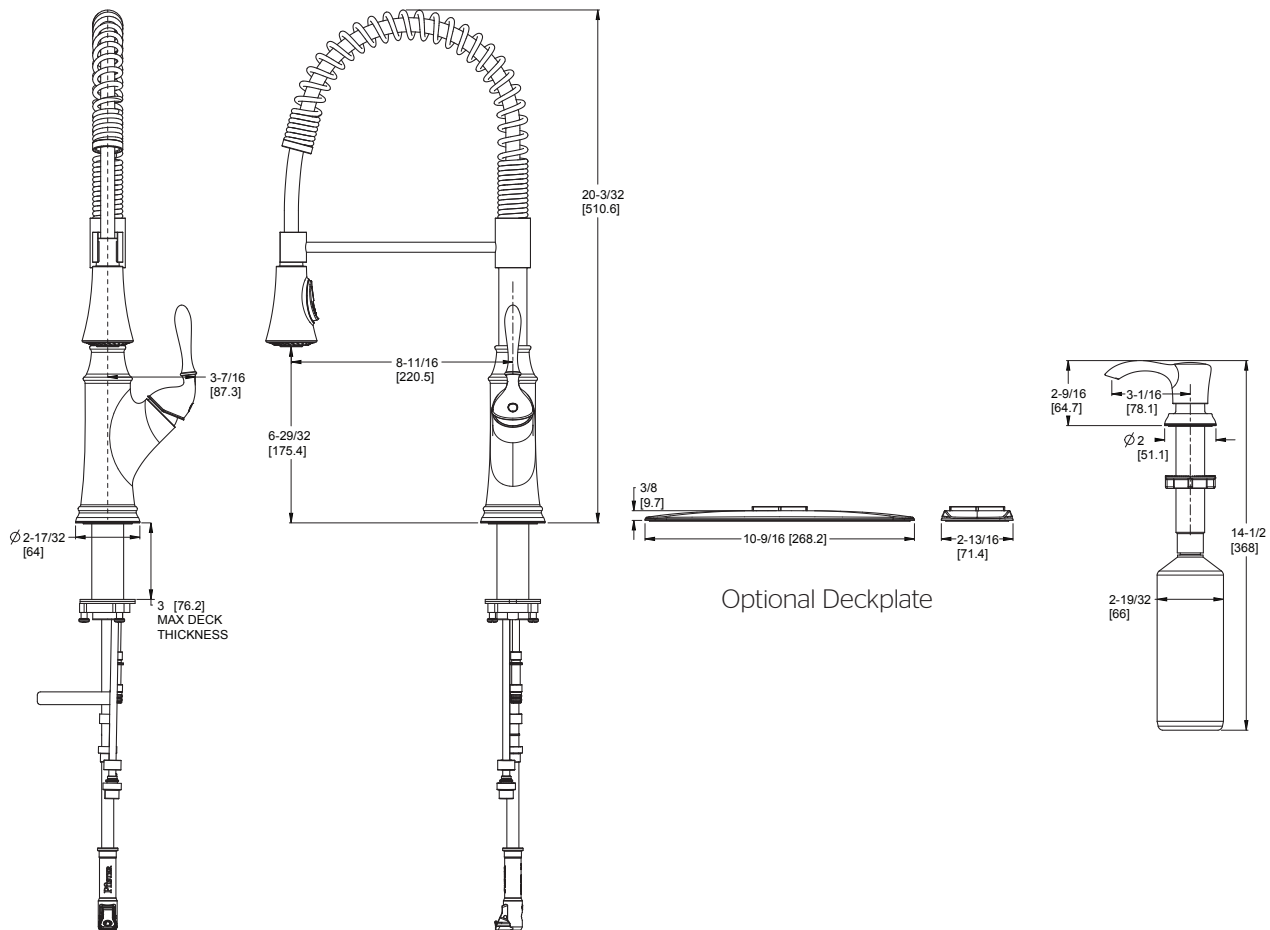
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- NSF 61/9 Annex G (Low lead)
- CEC Compliant
- Cal Green Compliant
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



Ø1-3/8 Min to Ø1-1/2 Max. Deck Hole Openings





O38103

OATEY

WMB  
CENTROII CPVC HAMM



## CENTRO II WASHING MACHINE OUTLET BOX



**TECHNICAL SPECIFICATION:** Oatey's Centro II Washing Machine Box is used for commercial and residential washing machine applications. Oatey's Centro WMOB can be mounted with the valves on the top or bottom. Oatey's WMOB comes with two support brackets and two piece uninstalled valves.



- Takes up less space and will fit almost anywhere
- WMOB made of PVC
- Brackets and Faceplate made of HIPS
- 2 knockout drain caps
- 2" Socket Hubs
- Mountable with valves on top or bottom
- 2 piece valves come uninstalled or installed
- Two support brackets
- Available in a wide variety of tailpiece configurations and packaging options
- Dimensions:
  - WMOB-8"W x 4-3/4"H x 3"D
  - Faceplate- 10"W x 6-3/4"H

PRODUCT NUMBER	DESCRIPTION	CTN. QTY.
<b>No Hammer Assembled</b>		
38100	¼ Turn, Copper, No Hammer, Assembled, Standard Pack	12
38102	¼ Turn, CPVC, No Hammer, Assembled, Standard Pack	12
38104	¼ Turn, ASTM F1807, No Hammer, Assembled, Standard Pack	12
38106	¼ Turn, ASTM F1960, No Hammer, Assembled, Standard Pack	12
38150	¼ Turn, Copper, No Hammer, Assembled, Contractor Pack	12
38153	¼ Turn, CPVC, No Hammer, Assembled, Contractor Pack	12
38151	¼ Turn, ASTM F1807, No Hammer, Assembled, Contractor Pack	12
38152	¼ Turn, ASTM F1960, No Hammer, Assembled, Contractor Pack	12
<b>Hammer Assembled</b>		
38101	¼ Turn, Copper, Hammer, Assembled, Standard Pack	12
38103	¼ Turn, CPVC, Hammer, Assembled, Standard Pack	12
38105	¼ Turn, ASTM F1807, Hammer, Assembled, Standard Pack	12
38107	¼ Turn, ASTM F1960, Hammer, Assembled, Standard Pack	12
38154	¼ Turn, Copper, Hammer, Assembled, Contractor Pack	12
38157	¼ Turn, CPVC, Hammer, Assembled, Contractor Pack	12
38155	¼ Turn, ASTM F1807, Hammer, Assembled, Contractor Pack	12
38156	¼ Turn, ASTM F1960, Hammer, Assembled, Contractor Pack	12



## CENTRO II WASHING MACHINE OUTLET BOX



<b>No Hammer Unassembled</b>		
38108	¼ Turn, Copper, No Hammer, Unassembled, Standard Pack	12
38110	¼ Turn, CPVC, No Hammer, Unassembled, Standard Pack	12
38112	¼ Turn, ASTM F1807, No Hammer, Unassembled, Standard Pack	12
38114	¼ Turn, ASTM F1960, No Hammer, Unassembled, Standard Pack	12
<b>Hammer Unassembled</b>		
38109	¼ Turn, Copper, Hammer, Unassembled, Standard Pack	12
38111	¼ Turn, CPVC, Hammer, Unassembled, Standard Pack	12
38113	¼ Turn, ASTM F1807, Hammer, Unassembled, Standard Pack	12
38115	¼ Turn, ASTM F1960, Hammer, Unassembled, Standard Pack	12
<b>Plain Boxes</b>		
38120	Plain Box, Display Pack	4
38121	Plain Box, Standard Pack	12
<b>Accessories</b>		
38381	Centro II, Plastic Faceplate	12
38382	Brackets 4" Long Plastic	12
38383	Brackets 12" Long Plastic	12
38294	Hot/Cold Temperature Indicator Clips for Supply Valves (12 Red, 12 Blue)	24





O38479

OATEY

**RATED:**

WMOB 1/4-TURN CPVC HAMMER ARRESTOR





4700 W. 160th St.  
Cleveland, OH 44135  
PH:800-321-9532  
FX:800-321-9535  
www.oatey.com

#### TECHNICAL SPECIFICATION

### FIRE – RATED WASHING MACHINE OUTLET BOXES



**Engineering Specification:** Oatey Fire-Rated Washing Machine Outlet Boxes can be used in applications requiring supply valves and waste drain recessed into a fire-rated wall. Unit shall allow for the mounting of supply lines from top or bottom on the left or right side. Unit shall be available with single lever or ¼ turn brass ball valves in configurations with and without water hammer arrestors listed to ASSE 1010. Adjustable metal support bracket shall be installed on top and bottom of unit for support in stud wall. Drain size to be 2" with ¼ turn test cap.

#### Job Reference

#### Materials:

- **Outlet Box:** Bulk Molded Compound (BMC) Thermoset fire-rated plastic
- **Adjustable Mounting Bracket:** Galvanized Steel
- **2" DWV Drain Piece:** PVC
- **Drain Piece Metal Sleeve:** Galvanized steel with Integrated intumescent pad
- **Plugs:** Bulk Molded Compound (BMC) thermoset Fire-rated plastic
- **Test Cap:** PVC
- **Box Pad:** UL Classified FyreWrap Insulation Material  
FyreWrap is a registered trademark of Unifrax LLC.

#### LISTINGS and APPROVALS:

##### ASTM E814

- 1-hour wall: 60 min. (F)
- 1-hour wall: 32 min (T)
- 2-hour wall: 120 min (F)
- 2-hour wall: 85 min (T)

##### CAN/ULC S115

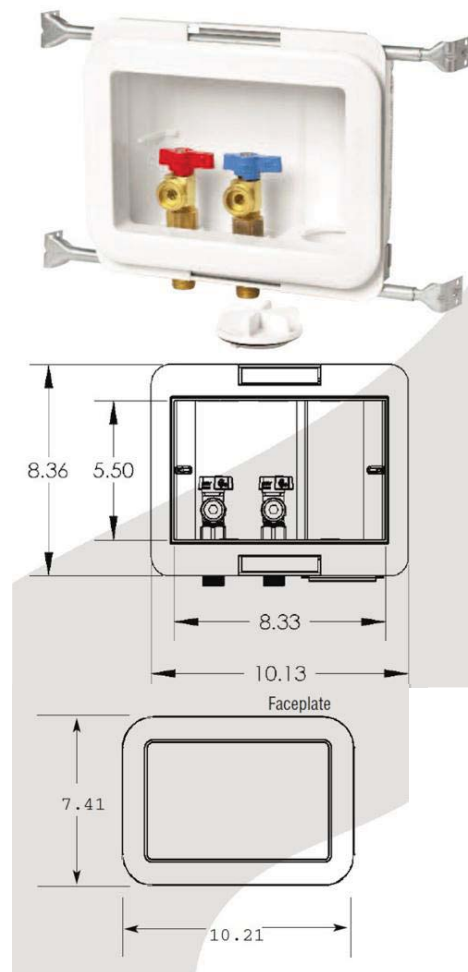
- 1-hour wall: 60 min. (F/FH)
- 1-hour wall: 32 min (FT/FTH)
- 2-hour wall: 120 min. (F/FH)
- 2-hour wall: 85 min. (FT/FTH)

#### Multiple Valve installation options:

- Right-hand offset, bottom mount
- Right-hand offset, top mount
- Left-hand offset, bottom mount
- Left-hand offset, top mount

#### Adjustable mounting Bracket:

- Use nails or screws to secure into stud wall
- **Faceplate:** Snap –on faceplate accommodates up to Two layers of 5/8" gypsum
- **Drain:** 2" Drain Piece fits 2" PVC or ABS Schedule 40 pipe





✓	Product No.	Description	PACK	CARTON WEIGHT
	38470	¼ Turn Brass Ball Valve, Copper Sweat, Standard Pack	6	31
	38471	¼ Turn Brass Ball Valve, CPVC, Standard Pack	6	31
	38472	¼ Turn Brass Ball Valve, ½" ASTM F1807 PEX, Standard Pack	6	31
	38473	¼ Turn Brass Ball Valve, ½" ASTM F1960 PEX, Standard Pack	6	31
	38474	Single Lever Brass Ball Valve, Copper Sweat, Standard Pack	6	34
	38475	Single Lever Brass Ball Valve, CPVC, Standard Pack	6	35
	38476	Single Lever Brass Ball Valve, ½" ASTM F1807 PEX, Standard Pack	6	34
	38477	Single Lever Brass Ball Valve, ½" ASTM F1960 PEX, Standard Pack	6	34
	38478	¼ Turn Brass Ball Valve with Water Hammer Arrestor, Copper Sweat, Standard Pack	6	34
✓	38479	¼ Turn Brass Ball Valve with Water Hammer Arrestor, CPVC, Standard Pack	6	34
	38480	¼ Turn Brass Ball Valve with Water Hammer Arrestor, ½" ASTM F1807 PEX, Standard Pack	6	34
	38481	¼ Turn Brass Ball Valve with Water Hammer Arrestor, ½" ASTM F1960 PEX, Standard Pack	6	34
	38482	Single Lever Brass Ball Valve with Water Hammer Arrestor, Copper Sweat, Standard Pack	6	38
	38483	Single Lever Brass Ball Valve with Water Hammer Arrestor, CPVC, Standard Pack	6	38
	38484	Single Lever Brass Ball Valve with Water Hammer Arrestor, ½" ASTM F1807 PEX, Standard Pack	6	38
	38485	Single Lever Brass Ball Valve with Water Hammer Arrestor, ½" ASTM F1960 PEX, Standard Pack	6	38
	39117	¼ Turn Brass Ball Valve-Low Lead-Copper Sweat- Standard Pack	6	25
	39118	¼ Turn Brass Hammer Ball Valve-Low Lead- CPVC- Standard Pack	6	25
	39119	¼ Turn Brass Hammer Ball Valve-Low Lead-1/2" ASTM F1807 PEX- Standard Pack	6	25
	39120	¼ Turn Brass Ball Valve-Low Lead- ½" ASTM F1960 PEX- Standard Pack	6	25
	39121	¼ Turn Brass Hammer Ball Valve-Low Lead- Copper Sweat Standard Pack	6	28
	39122	¼ Turn Brass Hammer Ball Valve-Low Lead- CPVC Standard Pack	6	28
	39123	¼ Turn Brass Hammer Ball Valve-Low Lead- ½" ASTM F1807 PEX- Standard Pack	6	28
	39124	¼ Turn Brass Hammer Ball Valve-Low Lead- ½" ASTM F1960 PEX- Standard Pack	6	28

Accessories				
✓	Product No.	Description	PACK	CARTON WEIGHT
	38494	Plain Washing Machine Outlet Box, without faceplate or brackets	6	18
	38496	Washing Machine Outlet Box Faceplate	6	1
	38498	Adjustable Metal Support Bracket, 2-pieces	12	8
	38576	Washing Machine Outlet Box Test Cap	12	1





O39148  
O39122

OATEY  
OATEY

**IMB**  
LF IMB QT HAMMER BV CPVC  
LF FIR WMOB QT HAMMER BV CPVC





4700 W. 160th St.  
Cleveland, Ohio 44135  
Ph: (800) 321-9532  
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www.oatey.com

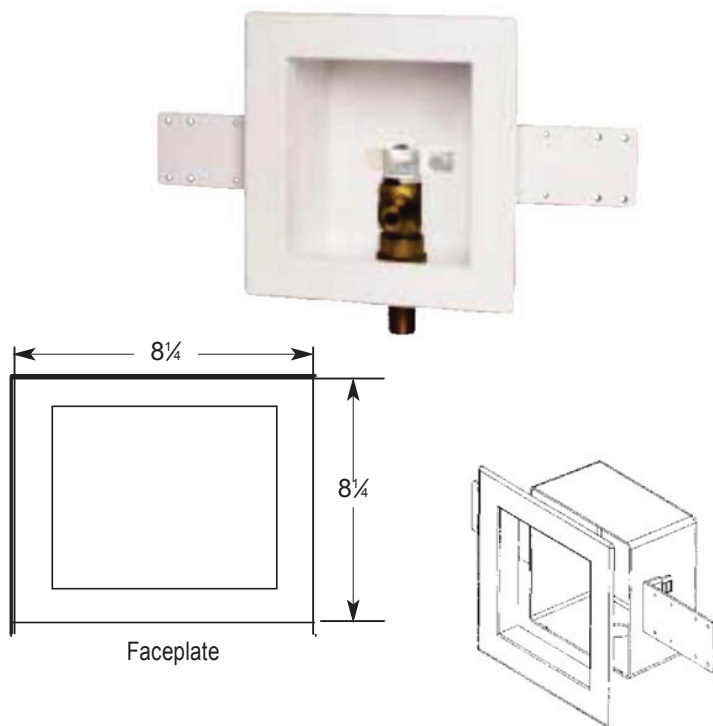
## Ice Maker Outlet Boxes



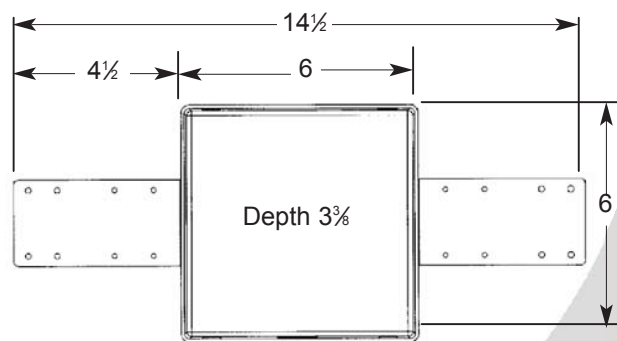
### SUBMITTAL SPECIFICATION

**Engineering Specification:** Oatey Ice Maker boxes can be used in commercial or residential applications which require supply valves recessed into the wall. Available water hammer arrestor option provides water pressure shock arrestors required for installation on supply lines to quick closing valves.

Job Reference



Front View



(All dimensions in inches)

- Provides quick, safe water supply and shut-off for refrigerator ice maker and water dispenser
- Box made of high impact polystyrene
- 2 support brackets
- Snap-on faceplate frame accommodates up to 1" drywall
- Valves comply with requirements of NSF 61, Section 9

✓	Prod. No	Description
	38574	1/4 Turn Brass Ball Valve - Copper Sweat - Standard Pack w/6' Stainless Steel Hose
	38570	1/4 Turn Brass Hammer Ball Valve - Copper Sweat - w/6' Stainless Steel Hose
	38575	1/4 Turn Brass Ball Valve - 1/2" ASTM F1807 PEX- Standard Pack
	38572	1/4 Turn Brass Hammer Ball Valve - 1/2" ASTM F1807 PEX- Standard Pack
	38578	1/4 Turn Brass Hammer Ball Valve - ASTM F1807 PEX
	38579	1/4 Turn Brass Hammer Ball Valve - 3/8" PEX
	38602	1/4 Turn Brass Hammer Ball Valve - CPVC - Standard Pack (6 per)
	38604	1/4 Turn Brass Hammer Ball Valve - ASTM F1807 PEX - Standard Pack (6 per)
	38605	1/4 Turn Brass Hammer Ball Valve - ASTM F1960 - Standard Pack (6 per)
	38607	1/4 Turn Brass Hammer Ball Valve - Copper Sweat - Display Pack (6 per)
	38608	1/4 Turn Brass Hammer Ball Valve - Copper Sweat - Standard Pack (6 per)
	38623	1/4 Turn Brass Ball Valve - CPVC - Standard Pack w/6' Stainless Steel Hose
	38624	1/4 Turn Brass Ball Valve - ASTM F1960 PEX - w/6' Stainless Steel Hose
	38571	1/4 Turn Brass Hammer Ball Valve - CPVC - Standard Pack w/6' Stainless Steel Hose
	38680	1/4 Turn Brass Ball Valve - CPVC - Standard Pack (6 per)
	38681	1/4 Turn Brass Ball Valve - Copper Sweat - Standard Pack (6 per)
	38683	1/4 Turn Brass Ball Valve - Copper Sweat - Contractor Pack (12 per)
	38684	1/4 Turn Brass Ball Valve - ASTM F1807 PEX - Standard Pack (6 per)
	38685	1/4 Turn Brass Ball Valve - CPVC - Contractor Pack (12 per)
	38690	1/4 Turn Brass Ball Valve - Copper Sweat - No Faceplate - Tract Pack (6 per)
	38691	1/4 Turn Brass Ball Valve - ASTM F1807 PEX - Contractor Pack (12 per)
	38692	1/4 Turn Brass Ball Valve - ASTM F1974 PEX - Standard Pack (6 per)
	38693	1/4 Turn Brass Ball Valve - ASTM F1960 PEX - Standard Pack (6 per)
	38739	Boiler Drain Valve - Copper Sweat - Contractor Pack (12 per)
	38805	Plain Box - No Valve - No Hole - Standard Pack (6 per)
	38806	Plain Box - No Valve - No Hole - Standard Pack - With Grommet (6 per)
	38807	North American Boiler Drain Valve - Copper Sweat - Standard Pack (6 per)
	38808	1/4 Turn Brass Ball Valve - Copper Sweat - Display Bag
	38810	Plain Box - No Valve - Standard Pack (6 per)
	38812	Plain Box - No Valve - No Faceplate - Tract Pack (6 per)
	38823	1/4 Turn Brass Ball Valve - Copper Sweat - Display Box
	38950	1/4 Turn Brass Ball Valve - ASTM F1807 PEX - Display Bag
	38951	Boiler Drain Valve - CPVC - Standard Pack (6 per)

Valves meet ASME A112.18.1 Water Hamn.  
Data is subject to manufacturing tolerances.

Visit [www.oatey.com](http://www.oatey.com) for updates.





✓	Prod. No	Description
	38952	FlowGuard Gold ALL-CPVC Valve - CPVC - Standard Pack
	39142	1/4 Turn Brass Hammer Ball Valve Low Lead - Copper Sweat - w/6' Stainless Steel Hose
	39143	1/4 Turn Brass Hammer Ball Valve Low Lead - CPVC - w/6' Stainless Steel Hose
	39144	1/4 Turn Brass Hammer Ball Valve Low Lead-1/2" ASTM F1807 PEX-w/6' Stainless Steel Hose
	39145	1/4 Turn Brass Valve Low Lead - Copper Sweat - w/6' Stainless Steel Hose
	39146	1/4 Turn Brass Valve Low Lead - 1/2" ASTM F1807 PEX - w/6' Stainless Steel Hose
✓	39147	1/4 Turn Brass Hammer Ball Valve Low Lead - 3/8 ASTM F1807 PEX- Standard Pack
	39148	1/4 Turn Brass Hammer Ball Valve Low Lead - CPVC - Standard
	39149	1/4 Turn Brass Hammer Ball Valve Low Lead - 1/2" ASTM F1807 PEX - Standard Pack
	39150	1/4 Turn Brass Hammer Ball Valve Low Lead - 1/2" ASTM F1960 PEX - Standard Pack
	39151	1/4 Turn Brass Hammer Ball Valve Low Lead - Copper Sweat - Display Box
	39152	1/4 Turn Brass Hammer Ball Valve Low Lead - Copper Sweat - Standard Pack
	39153	1/4 Turn Brass Ball Valve Low Lead - CPVC - w/6' Stainless Steel Hose
	39154	1/4 Turn Brass Ball Valve Low Lead - 1/2" ASTM F1960 PEX - w/6' Stainless Steel Hose
	39155	1/4 Turn Brass Ball Valve Low Lead - CPVC - Standard Pack
	39156	1/4 Turn Brass Ball Valve Low Lead - Copper Sweat - Standard Pack
	39157	1/4 Turn Brass Ball Valve Low Lead - Copper Sweat - Contractor Pack
	39158	1/4 Turn Brass Ball Valve Low Lead - 1/2" ASTM F1807 PEX - Standard Pack
	39160	1/4 Turn Brass Ball Valve Low Lead - 1/2" ASTM F1807 PEX - Contractor Pack
	39161	1/4 Turn Brass Ball Valve Low Lead - 1/2" ASTM F1960 PEX - Standard Pack
	39162	North America Brass Boiler Drain Valve Low Lead - Copper Sweat - Standard Pack
	39259	1/4 Turn Brass Ball Valve - CPVC - Contractor Pack
	385961	Square 1/4 Turn F1960 - Standard Pack, 6' SS Hose
	39159	Square 1/4 Turn CPVC Low Lead - Contractor Pack
	38942	Square, Plastic Faceplate
	38768	Brackets 4" Long Plastic
	38648	Brackets 12" Long Plastic



**Oatey**® 4700 W. 160th St.  
Cleveland, OH 44135  
PH:800-321-9532  
FX:800-321-9535  
www.oatey.com

**TECHNICAL SPECIFICATION**

## FIRE – RATED ICE MAKER OUTLET BOXES



**Engineering Specification:** Oatey Fire-Rated Ice Maker Outlet Boxes can be used in applications requiring supply valves recessed into a fire-rated wall. Unit shall allow for the mounting of supply lines from top or bottom on the left or right side. Unit shall be available with ¼ turn brass ball valves in configurations with and without water hammer arrestors listed to ASSE 1010. Adjustable metal support bracket shall be installed on top and bottom of unit for support in stud wall.

### Job Reference

#### Materials:

- **Outlet Box:** Bulk Molded Compound (BMC)  
Thermoset fire-rated plastic
- **Adjustable Mounting Bracket:** Galvanized Steel
- **Box Pad:** UL Classified FyreWrap Insulation Material  
FyreWrap is a registered trademark of Unifrax LLC.

#### LISTINGS and APPROVALS:

##### ASTM E814

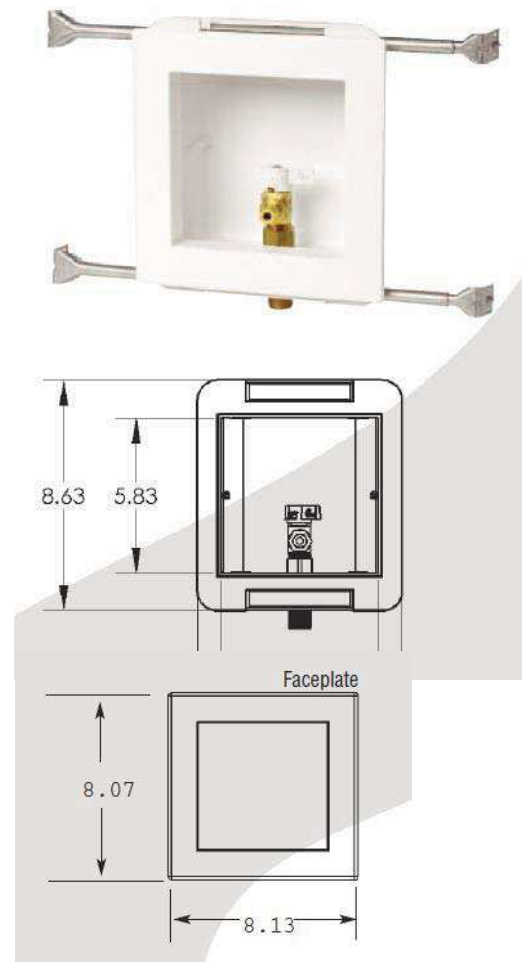
- 1-hour wall: 60 min. (F)
- 1-hour wall: 32 min (T)
- 2-hour wall: 120 min (F)
- 2-hour wall: 85 min (T)

##### CAN/ULC S115

- 1-hour wall: 60 min. (F/FH)
- 1-hour wall: 32 min (FT/FTH)
- 2-hour wall: 120 min. (F/FH)
- 2-hour wall: 85 min. (FT/FTH)

#### Adjustable mounting Bracket:

- Use nails or screws to secure into stud wall
- **Faceplate:** Snap –on faceplate accommodates up to Two layers of 5/8" gypsum





✓	Product No.	Description	PACK	CARTON WEIGHT
	38486	¼ Turn Brass Ball Valve, Copper Sweat, Standard Pack	6	9
	38487	¼ Turn Brass Ball Valve, CPVC, Standard Pack	6	9
	38488	¼ Turn Brass Ball Valve, ½ " ASTM F1807 PEX, Standard Pack	6	9
	38489	¼ Turn Brass Ball Valve, ½ " ASTM F1960 PEX, Standard Pack	6	9
	38490	¼ Turn Brass Ball Valve with Water Hammer Arrestor, Copper Sweat, Standard Pack	6	15
	38491	¼ Turn Brass Ball Valve with Water Hammer Arrestor, CPVC, Standard Pack	6	15
	38492	¼ Turn Brass Ball Valve with Water Hammer Arrestor, ½ " ASTM F1807 PEX, Standard Pack	6	15
	38493	¼ Turn Brass Ball Valve with Water Hammer Arrestor, ½ " ASTM F1960 PEX, Standard Pack	6	15
	39117	¼ Turn Brass Ball Valve-Low Lead-Copper Sweat- Standard Pack	6	25
	39118	¼ Turn Brass Ball Valve-Low Lead- CPVC- Standard Pack	6	25
	39119	¼ Turn Brass Ball Valve-Low Lead-1/2" ASTM F1807 PEX- Standard Pack	6	25
	39120	¼ Turn Brass Ball Valve-Low Lead- ½ " ASTM F1960 PEX- Standard Pack	6	25
✓	39121	¼ Turn Brass Hammer Ball Valve-Low Lead- Copper Sweat Standard Pack	6	28
	39122	¼ Turn Brass Hammer Ball Valve-Low Lead- CPVC Standard Pack	6	28
	39123	¼ Turn Brass Hammer Ball Valve-Low Lead- ½ " ASTM F1807 PEX- Standard Pack	6	28
	39124	¼ Turn Brass Hammer Ball Valve-Low Lead- ½ " ASTM F1960 PEX- Standard Pack	6	28

Accessories				
✓	Product No.	Description	PACK	CARTON WEIGHT
	38495	Plain Fire Ice Maker Outlet Box, without faceplate or brackets	6	3
	38497	Ice Maker Outlet Box Faceplate	6	1
	38498	Adjustable Metal Support Bracket, 2-pieces	12	8





AENL40202172000    AO SMITH    WH1:  
38GAL LOWBOY EL 4.5KW    240V-1PH WHTR





## Residential Electric Water Heaters

# ProMax®



**ENL40 4.5KW 240V 1PH**

### ENHANCED HEATING ELEMENTS

- Dual 4500 watt elements for fast recovery and reliable operation.
- Incoloy stainless steel lower element lasts longer than a standard copper element.

### DYNACLEAN™ DIFFUSER DIP TUBE

- Helps reduce lime and sediment buildup and maximizes hot water output. Made from long-lasting PEX cross-linked polymer.

### HIGH ENERGY FACTORS

- Eco-friendly non-CFC foam insulation, heat traps and other features combine to yield a higher Energy Factor that maximizes savings on operating costs.

### COREGARD™ ANODE ROD

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods.

### BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to industry standard glass lining.

### ENHANCED-FLOW BRASS DRAIN VALVE

- Our residential water heaters have a solid brass, tamper resistant, enhanced-flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.
- Designed for easy operation, this valve includes an integral screwdriver slot that features a ¼ turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.

### CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes.
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

### APPROVED FOR MANUFACTURED HOUSING

- All residential electric water heaters are compliant with HUD Standards for mobile homes/manufactured housing.

### CERTIFIED TO UL 174 FOR HOUSEHOLD ELECTRIC WATER HEATERS

### CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

### DESIGN-LISTED BY UNDERWRITERS LABORATORIES

- Certified at 300 PSI test pressure and 150 PSI working pressure.
- Listed according to UL 174 standards governing storage tank-type electric water heaters.

### 6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).



**ENL40202172000** ✓





# Residential Electric Water Heaters

Model Number	Gallon Capacity	First Hour Rating Gallon	Energy Factor	Recovery @ 90° F Rise Gallon Per Hour	Element Wattage 240V		Dimensions in Inches			Approx. Shipping Weight (lbs)
					Standard	Maximum	A	B	C	
Tall Models										
ENT-30†	30	47	0.95	21	4500	6000	46-1/2	39-1/2	19	95
ENT-40†	40	51	0.95	21	4500	6000	60-1/4	53-1/4	20	118
ENTB-50*	50	70	0.95	21	4500	6000	60-1/4	51-1/4	21	131
ENT-50†	50	71	0.95	21	4500	6000	60-1/2	51-1/4	22	134
ENT-55†	55	76	0.94	21	4500	6000	56-1/2	48-1/2	24	145
Short Models										
ENSB-30*	30	48	0.95	21	4500	6000	39	30-1/2	20	95
ENS-30†	30	49	0.95	21	4500	6000	39-3/4	30-1/2	22	94
ENS-40†	40	55	0.95	21	4500	6000	50	40-3/4	22	109
ENS-50†	50	62	0.95	21	4500	6000	49-3/4	40-3/8	24	161
Lowboy Top Connect Models										
ENLB-30*	28	40	0.95	21	4500	6000	30	21-3/4	22	96
ENL-30†	28	43	0.95	21	4500	6000	31-1/4	21-3/4	24	115
ENLB-40*	38	46	0.95	21	4500	6000	31-3/4	24	24	118
ENL-40†+	38	44	0.95	21	4500	6000	33-1/2	24	26	118

3/4" water connections on 8" center.

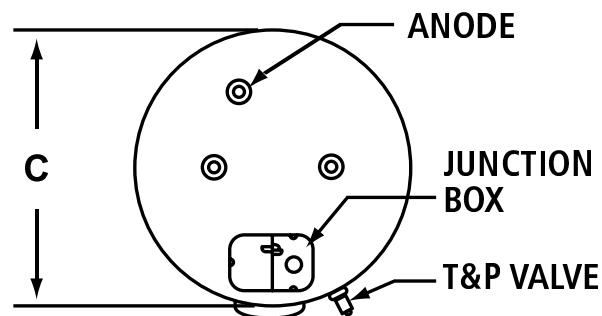
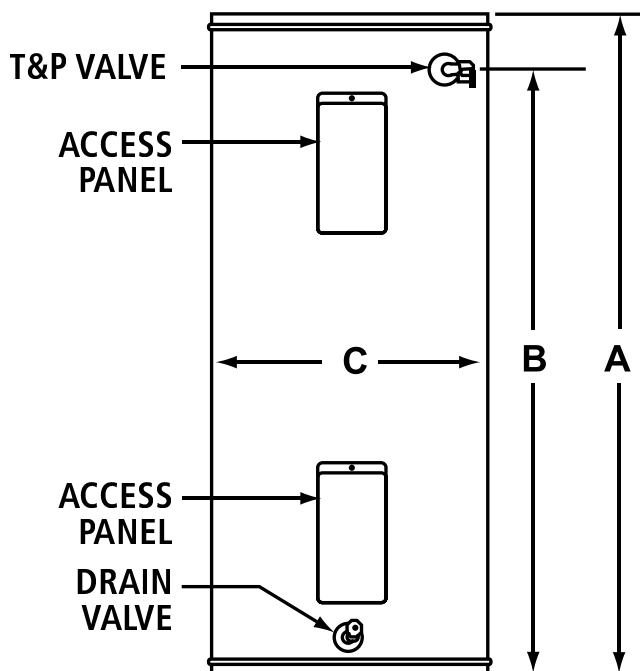
\*Models ship with supplied insulation blanket.

†For 10-year tank and 6-year parts warranty, change "E" to "P" in the model number (example: ENT-30 becomes PNT-30).

+ Top T&P option not available on this model.

Only available for 240V or 208V applications.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



## 4.5KW 240V 1PH L/B ALUM

For technical information call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.





**WH2:**

AENLB50202172000 AO SMITH

48G 4.5KW 240V 1PH LB WHTR ALUM (WITH BLANKET)





## Residential Electric Water Heaters

# ProMax®



**ENLB50 4.5KW 240V 1PH**

### ENHANCED HEATING ELEMENTS

- Dual 4500 watt elements for fast recovery and reliable operation.\*
- Incoloy stainless steel lower element lasts longer than a standard copper element.

### DYNACLEAN™ DIFFUSER DIP TUBE

- Helps reduce lime and sediment buildup and maximizes hot water output. Made from long-lasting PEX cross-linked polymer.

### HIGH ENERGY FACTORS

- Eco-friendly non-CFC foam insulation, heat traps and other features combine to yield a higher Energy Factor that maximizes savings on operating costs.

### COREGARD™ ANODE ROD

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods.

### BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to industry standard glass lining.

### ENHANCED-FLOW BRASS DRAIN VALVE

- Our residential water heaters have a solid brass, tamper resistant, enhanced-flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.
- Designed for easy operation, this valve includes an integral screwdriver slot that features a ¼ turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.

\*Model ENL-20 has a single element.

### CODE COMPLIANCE

- Meets UBC and ICC National Codes and listed with CEC.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

### APPROVED FOR MANUFACTURED HOUSING

- All residential electric water heaters are compliant with HUD Standards for mobile homes/manufactured housing.

### CERTIFIED TO UL 174 FOR HOUSEHOLD ELECTRIC WATER HEATERS

### CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

### DESIGN-LISTED BY UNDERWRITERS LABORATORIES

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to UL 174 standards governing storage tank-type electric water heaters.

### 6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).







# Residential Electric Water Heaters

✓ **4.5KW 240V 1PH LB**

Model Number	Gallon Capacity	First Hour Rating Gallon	Energy Factor	Recovery @ 90° F Rise Gallon Per Hour	Element Wattage 240V		Dimensions in Inches			Approx. Shipping Weight (lbs)
					Standard	Maximum	A	B	C	
Tall Models										
ENT-30†	30	47	0.95	21	4500	6000	46-1/2	39-1/2	19	95
ENT-40†	40	51	0.95	21	4500	6000	60-1/4	53-1/4	20	118
ENTB-50*	50	70	0.95	21	4500	6000	60-1/4	51-1/4	21	131
ENT-50†	50	71	0.95	21	4500	6000	60-1/2	51-1/4	22	134
ENT-55†	55	76	0.94	21	4500	6000	56-1/2	48-1/2	24	145
Short Models										
ENSB-30*	30	48	0.95	21	4500	6000	39	30-1/2	20	95
ENS-30†	30	49	0.95	21	4500	6000	39-3/4	30-1/2	22	94
ENS-40†	40	55	0.95	21	4500	6000	50	40-3/4	20-1/2	109
ENS-50†	50	62	0.95	21	4500	6000	49-3/4	40-3/8	23	161
Lowboy Top Connect Models										
ENL-20	19.5	N/A	N/A	21	4500	6000	30	21-1/4	20	65
ENLB-30*	28	40	0.95	21	4500	6000	30	21-3/4	22	96
ENL-30†	28	43	0.95	21	4500	6000	31-1/4	21-3/4	24	115
ENLB-40*	38	46	0.95	21	4500	6000	31-3/4	24	24	118
ENL-40†	38	44	0.95	21	4500	6000	33-1/2	24	26	118
ENLB-50*†	48	57	0.95	21	4500	6000	34	25	26-1/2	172

Male 3/4" water connections on 8" center.

\*Models ship with supplied insulation blanket.

†For 10-year tank and 6-year parts warranty, change "E" to "P" in the model number (example: ENT-30 becomes PNT-30).

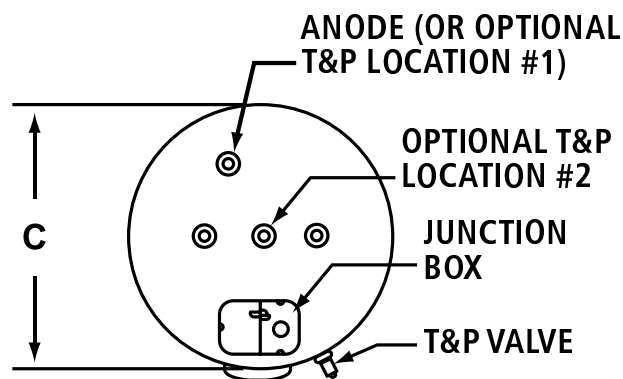
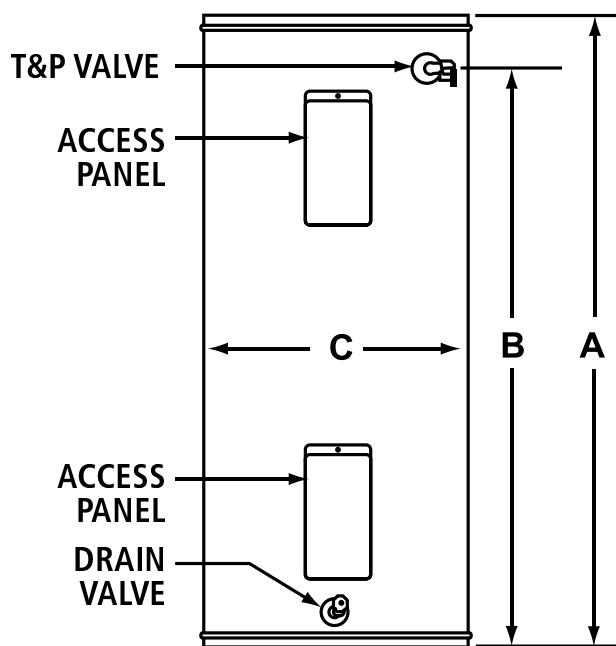
+ Top T&P option not available on this model.

ENL-20 is a single element configuration only.

Optional T&P location #2 is used on the ENT-50, ENTB50, ENT-55, ENS-40 and ENS-50.

Top T&P is not available on the 10 year model PNLB-50.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



For technical information call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.





AENLB50202772000 AO SMITH

**WH3:**

48G 6KW 240V 1PH LB WHTR





# COMMERCIAL-GRADE RESIDENTIAL ELECTRIC WATER HEATERS

## PROLINE® STANDARD COMMERCIAL-GRADE RESIDENTIAL

ENLB50 6KW 240V 1PH

### ENHANCED HEATING ELEMENTS

- Dual 4500 watt elements for fast recovery and reliable operation.\*
- Incoloy stainless steel lower element lasts longer than a standard copper element.

### DYNACLEAN™ DIFFUSER DIP TUBE

- Helps reduce lime and sediment buildup and maximizes hot water output. Made from long-lasting PEX cross-linked polymer (diffuser design is not used on lowboy models.)

### HIGH ENERGY FACTORS

- Eco-friendly non-CFC foam insulation, heat traps and other features combine to yield a higher Energy Factor that maximizes savings on operating costs.

### COREGARD™ ANODE ROD

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods.

### BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to industry standard glass lining.

### ENHANCED-FLOW BRASS DRAIN VALVE

- Our residential water heaters have a solid brass, tamper resistant, enhanced-flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.
- Designed for easy operation, this valve includes an integral screwdriver slot that features a ¼ turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.

\*Model ENL-20 has a single element.

### CODE COMPLIANCE

- Meets UBC and ICC National Codes and listed with CEC.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

### APPROVED FOR MANUFACTURED HOUSING

- All residential electric water heaters are compliant with HUD Standards for mobile homes/manufactured housing.

### CERTIFIED TO UL 174 FOR HOUSEHOLD ELECTRIC WATER HEATERS

### CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

### DESIGN-LISTED BY UNDERWRITERS LABORATORIES

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to UL 174 standards governing storage tank-type electric water heaters.

### 6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).







# COMMERCIAL-GRADE RESIDENTIAL ELECTRIC WATER HEATERS

Model Number	Gallon Capacity	First Hour Rating Gallon	Energy Factor	Recovery @ 90°F Rise Gallon Per Hour	Element Wattage 240V		Dimensions in Inches			Approx. Shipping Weight (lbs)
					Standard	Maximum	A	B	C	
Tall Models										
ENT-30†	30	47	0.95	21	4500	6000	46-1/2	39-1/2	19	95
ENT-40†	40	50	0.95	21	4500	6000	61-1/4	53-1/4	18	118
ENT-50†	50	73	0.95	21	4500	6000	60-1/2	51-1/4	20-1/2	125
ENT-55†	55	76	0.94	21	4500	6000	56-1/2	48-1/2	24	145
Short Models										
ENSB-30*	30	48	0.95	21	4500	6000	39	30-1/2	20	95
ENS-30†	30	49	0.95	21	4500	6000	39-3/4	30-1/2	22	94
ENS-40†	40	55	0.95	21	4500	6000	49-3/4	40-3/4	20-1/2	109
ENS-50†	50	62	0.95	21	4500	6000	49-1/4	40-3/8	23	161
Lowboy Top Connect Models										
ENL-20	19.5	N/A	N/A	21	4500	6000	30	21-1/4	20	65
ENLB-30*†	28	40	0.95	21	4500	6000	30	21-3/4	20	90
ENL-30†	28	42	0.95	21	4500	6000	30	21-3/4	22	115
ENL-36†	36	46	0.95	21	4500	6000	32	24	24	118
ENLB-40*†	38	44	0.95	21	4500	6000	32	24	23	118
ENLB-50*†	48	57	0.95	21	4500	6000	34	25	26-1/2	172

Male 3/4" water connections on 8" center.

\*Models ship with supplied insulation blanket.

†For 10-year tank and 6-year parts warranty, change "E" to "P" in the model number (example: ENT-30 becomes PNT-30).

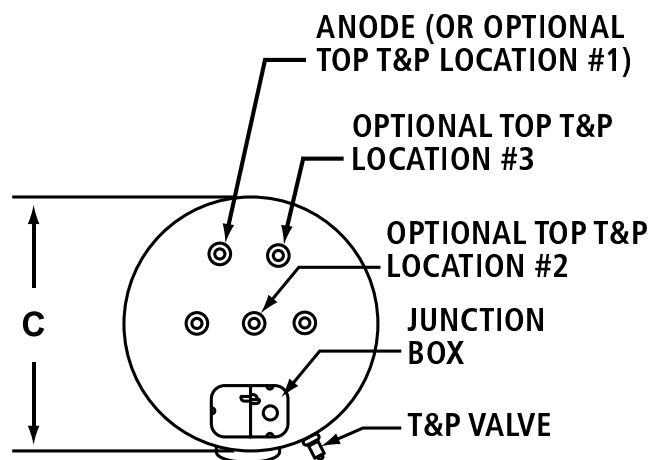
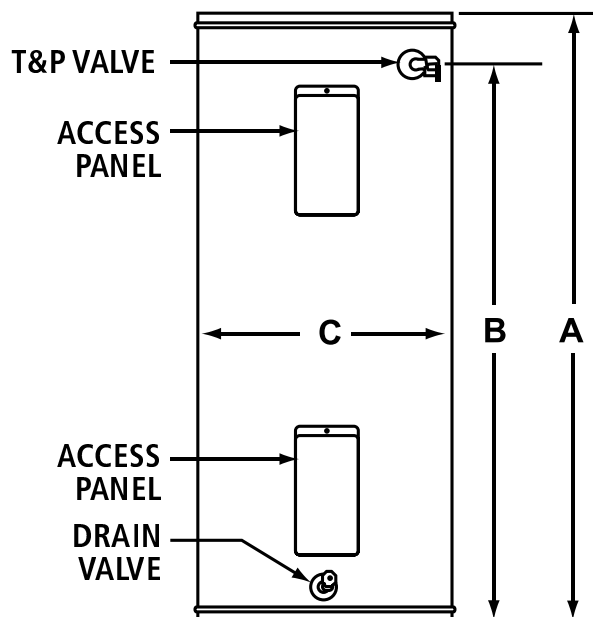
ENL-20 is a single element configuration only.

Optional top T&P location #2 is used on the ENT-50, ENT-55, ENS-40 and ENS-50.

Optional top T&P location #3 is used on the ENLB-50, ENL-30, ENLB-30, ENLB-40 and ENL-36.

Top T&P is not available on the 10 year lowboy models.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



For technical information call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.





S2005L02A05NBP05 SMITH  
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FD1:  
2 FLR DRN W/5 NB TOP W/ TP






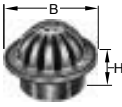

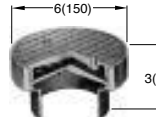
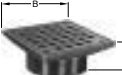

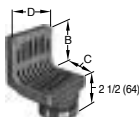
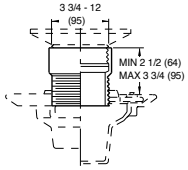
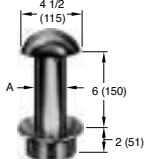

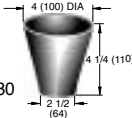
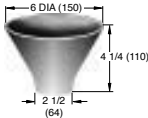
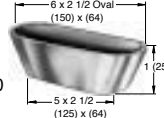
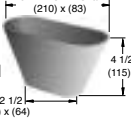
<b>S</b>	<b>JAY R. SMITH MFG. CO.</b> <small>MEMBER OF MORRIS GROUP INTERNATIONAL POST OFFICE BOX 3237 MONTGOMERY, ALABAMA 36109-0237 (USA) TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com</small>	 <b>ASPE</b> MEMBER OF: PDPI INSTITUTE APFA	<b>LOCATION</b>																																																																						
DRAWING NUMBER <b>\$2005</b>	<h1>FLOOR OR SHOWER DRAINS</h1> <h2>WITH ADJUSTABLE STRAINER HEADS</h2>																																																																								
SIZE <b>A</b>	<p><b>FUNCTION:</b> General service floor drain for use in showers, toilets, kitchens and other finished areas where foot traffic is expected. The round top strainer head is used for all types of poured finished floors. The square top is particularly adaptable to floors that are finished in material of square or straight line pattern. Reversible flashing collar permits adjustment of the strainer to meet finished floor level.</p> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <p><b>NO-HUB OUTLET</b></p> <p><input type="checkbox"/> Fig. 2005Y.....(A) ROUND TOP <input type="checkbox"/> Fig. 2005Y.....(B) SQUARE TOP</p> <table border="1"> <thead> <tr> <th>Outlet Size</th> <th>Nickel Bronze Strainer Head</th> </tr> </thead> <tbody> <tr><td>▲ 02(50)</td><td>05(125) DIA or SQ</td></tr> <tr><td>▲ 03(75)</td><td>06(150) DIA or SQ</td></tr> <tr><td>▲ 04(100)</td><td>08(205) DIA or SQ</td></tr> </tbody> </table> </div> <div style="width: 45%;"> <p><b>SPEEDI-SET OUTLET</b></p> <p><input checked="" type="checkbox"/> Fig. 2005L.....(A) ROUND TOP <input type="checkbox"/> Fig. 2005L.....(B) SQUARE TOP</p> <table border="1"> <thead> <tr> <th rowspan="2">Strainer Size B</th> <th colspan="2">*Collar In High Position X</th> <th colspan="2">*Collar In Low Position XX</th> <th colspan="2">Free Area SQ IN (SQ CM)</th> </tr> <tr> <th>MIN</th> <th>MAX</th> <th>MIN</th> <th>MAX</th> <th>ROUND</th> <th>SQUARE</th> </tr> </thead> <tbody> <tr><td>DIA or SQ</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>05 (125)</td><td>1 1/4(32)</td><td>2 1/4(57)</td><td>3/4(19)</td><td>1 5/8(41)</td><td>7(45)</td><td>6.5(42)</td></tr> <tr><td>06 (150)</td><td>1 1/4(32)</td><td>2 1/4(57)</td><td>3/4(19)</td><td>1 5/8(41)</td><td>9(58)</td><td>12.5(81)</td></tr> <tr><td>07 (180)</td><td>1 1/4(32)</td><td>2 1/4(57)</td><td>7/8(22)</td><td>1 7/8(48)</td><td>14(90)</td><td>11(71)</td></tr> <tr><td>08 (205)</td><td>1 1/2(38)</td><td>2 1/2(64)</td><td>1(25)</td><td>1 7/8(48)</td><td>17(110)</td><td>14(90)</td></tr> <tr><td>*09 (230)</td><td>1 1/2(38)</td><td>2 3/8(60)</td><td>1(25)</td><td>1 7/8(48)</td><td>18(116)</td><td>16(103)</td></tr> <tr><td>*10 (255)</td><td>1 1/2(38)</td><td>2 3/8(60)</td><td>1(25)</td><td>1 7/8(48)</td><td>23(48)</td><td>16(103)</td></tr> </tbody> </table> </div> </div>			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	DIA or SQ							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)
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DATE: <b>5-17-85</b>	<p><b>REGULARLY FURNISHED:</b> Duco Cast Iron Body with Flashing Collar and Adjustable Strainer Head as Indicated by Suffix Letter Selected.</p> <p><b>VARIATIONS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Flapper Type Backwater Valve -V</li> <li><input checked="" type="checkbox"/> Linged Grate -H</li> <li><input checked="" type="checkbox"/> L Speedi-Set Service Weight 2(50), 3(75) &amp; 4"(100) only</li> <li><input type="checkbox"/> LXH Speedi-Set Extra Heavy 2(50), 3(75) &amp; 4"(100) only</li> <li><input checked="" type="checkbox"/> Sediment Bucket -B</li> <li><input checked="" type="checkbox"/> Trap Primer Connection -P050 1/2" (13) &amp; -P075 3/4" (19)</li> <li><input type="checkbox"/> Vandal Proof Screws -U</li> <li><input type="checkbox"/> Wide Flanged Strainer (Specify Fig. DX2005)</li> <li><input type="checkbox"/> T Threaded Outlet</li> <li><input type="checkbox"/> Heelproof Grate -HP</li> <li><input type="checkbox"/> -AHP (Round) or -BHP (Square)</li> <li><input type="checkbox"/> Quad Close Trap Seal (Specify Fig. 2692)</li> </ul> <p><b>OPTIONAL MATERIALS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Bronze Body -BB</li> <li><input type="checkbox"/> Chrome Plated Strainer -CP</li> <li><input checked="" type="checkbox"/> Galvanized Cast Iron Body -G</li> <li><input checked="" type="checkbox"/> Nickel Bronze Strainer -NB</li> <li><input type="checkbox"/> Polished Bronze Strainer -PB</li> <li><input type="checkbox"/> All Stainless Steel (Specify Fig. 9700)</li> <li><input type="checkbox"/> Stainless Steel Strainers -SS [Available in 05(125) &amp; 06(150) sizes only]</li> </ul>																																																																								
CHECKED BY: <b>TJ</b>	<p><b>NOTE:</b> Dimensions shown in parentheses are in millimeters.</p> <p>▲ Meets ASME Standard A112.6.3-2001 02(50), 03(75) or 04"(100) sizes only.</p>																																																																								
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<div style="display: flex; align-items: center;"> <div> <b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB         </div> <div style="margin-left: 20px;"> <b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -BV) 05 (125), 06 (150), 07 (180) or 08" (205) sizes only            *Hinged Grate (Specify Suffix -BH)            Sediment Bucket -B            Vandal Proof Screws -U         </div> </div> <table border="1" style="width: 100%; font-size: x-small; margin-top: 10px;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> <th>09 (230)</th> <th>10 (255)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> </tr> <tr> <td>X MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> <td>1 1/2 (38)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>X MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/4 (57)</td> <td>2 3/8 (60)</td> </tr> </table>		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 1/4 (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)	<div style="display: flex; align-items: center;"> <div> <b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB         </div> <div style="margin-left: 20px;"> <b>VARIATIONS:</b>            Gasketed Water Tight Cover -GC            Secured Cover -SC            Secondary Strainer Grate -SG         </div> </div>																						
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<b>SUFFIX -B</b>		<b>SUFFIX -BS</b>																																																		
<b>REINFORCED ROUND STRAINER</b>		<b>REINFORCED TRACTOR STRAINER</b>																																																		
<b>FUNCTION:</b> Used in finished floors where light wheeled loads are anticipated.		<b>FUNCTION:</b> Used in finished floors where medium weight wheeled loads are anticipated and loose set non-tilt tractor grate is desired.																																																		
<div style="display: flex; align-items: center;"> <div> <b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB         </div> <div style="margin-left: 20px;"> <b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -CV)            Sediment Bucket -B            Vandal Proof Screws -U         </div> </div> <table border="1" style="width: 100%; font-size: x-small; margin-top: 10px;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>08 (205)</th> <th>10 (255)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/2 (64)</td> <td>2 3/4 (70)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> <td>1 7/8 (48)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 3/4 (70)</td> </tr> </table>		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)	<div style="display: flex; align-items: center;"> <div> <b>MATERIALS:</b>            Cast Iron -CI            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB         </div> <div style="margin-left: 20px;"> <b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -DV or -EV)            Sediment Bucket -B            Vandal Proof Screws -U         </div> </div> <table border="1" style="width: 100%; font-size: x-small; margin-top: 10px;"> <tr> <th>SUFFIX</th> <th>B DIA</th> <th>H</th> <th colspan="2">X</th> </tr> <tr> <td>-D</td> <td>07 (180)</td> <td>3 1/4 (83)</td> <td>2 5/8 (67)</td> <td>3 1/2 (89)</td> </tr> <tr> <td>-E</td> <td>09 (230)</td> <td>3 1/2 (89)</td> <td>2 3/4 (70)</td> <td>3 1/2 (89)</td> </tr> </table>		SUFFIX	B DIA	H	X		-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)														
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<b>SUFFIX -C</b>		<b>SUFFIX -D-E</b>																																																		
<b>TILE FLANGE</b>		<b>ADJUSTABLE STRAINER HEAD</b>																																																		
<b>FUNCTION:</b> Provides integral flange set 5/32" (4) below rim to receive floor covering. Flange may have option of tapped holes for securing pan and gasket.		<b>FUNCTION:</b> Used in a non-traffic area when a funnel type strainer head is required and space does not allow use of the 3500 series funnel. The extended rim allows use as an anti-flood and anti-splash drip pan.																																																		
<div style="display: flex; align-items: center;"> <div> <b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB         </div> <div style="margin-left: 20px;"> <b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -FV)            Holes in Flange -SH            Sediment Bucket -B            Vandal Proof Screws -U         </div> </div> <table border="1" style="width: 100%; font-size: x-small; margin-top: 10px;"> <tr> <th colspan="2">X</th> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> </tr> <tr> <td>MAX</td> <td>2 1/8 (54)</td> </tr> </table>		X		MIN	1 1/4 (32)	MAX	2 1/8 (54)	<div style="display: flex; align-items: center;"> <div> <b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -F37V or F38V)         </div> <div style="margin-left: 20px;"> <b>MATERIALS:</b>            Cast Iron -CI            Chrome Plated -CP            Galvanized Cast Iron -G            Polished Bronze -PB            Nickel Bronze -NB         </div> </div> <table border="1" style="width: 100%; font-size: x-small; margin-top: 10px;"> <tr> <th>SUFFIX</th> <th>-F37</th> <th>-F38</th> </tr> <tr> <td>B DIA</td> <td>07 (180)</td> <td>09 (230)</td> </tr> <tr> <td>H</td> <td>3 1/4 (83)</td> <td>3 1/2 (89)</td> </tr> <tr> <td>MIN</td> <td>2 5/8 (67)</td> <td>2 3/4 (70)</td> </tr> <tr> <td>X MAX</td> <td>3 1/2 (89)</td> <td>3 1/2 (89)</td> </tr> </table>		SUFFIX	-F37	-F38	B DIA	07 (180)	09 (230)	H	3 1/4 (83)	3 1/2 (89)	MIN	2 5/8 (67)	2 3/4 (70)	X MAX	3 1/2 (89)	3 1/2 (89)																												
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<b>H G F</b>	11-3-16 10-4-01 8-24-99 6-11-99	Revised Suffix-A Revised Suffix-BS Revised Revised Tables	TBW RN TBW CMD	CL CL BS	<b>FIGURE NUMBER</b>  <b>2010 SERIES OPTIONAL STRAINER HEADS</b>  <b>1 of 2</b>																																															
REV.	DATE	DESCRIPTION	BY	CKD. BY																																																

NOTE: Dimensions shown in parentheses are in millimeters.



<b>J</b>	<b>SMITH® JAY R. SMITH MFG. CO.®</b> 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:	 MEMBER OF:	 MEMBER OF:	<b>LOCATION</b>																																																																											
<b>PM0457 SH 2 of 2</b>	<b>A</b>	<b>NONE</b>	<b>5-17-85</b>	<b>TD</b>	<b>TD</b>																																																																											
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LOW DOME STRAINER		SOLID HINGED COVER		SPANNER WRENCH COVER																																																																												
<p><b>FUNCTION:</b> Used in gutters and recessed areas where excessive debris build-up is expected. Dome insures drainage even when partly covered.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -GV) Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: 0.8em;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: G08PB</p>		B DIA	05 (125)	06 (150)	08 (205)	H	2 (51)	2 (51)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Used in areas where intermittent drain use is required. Solid cover prevents intrusion of chips, saw-dust, etc., which are swept up before cover is opened for washdown. The secondary strainer prevents debris from entering the waste line.</p> <p><b>MATERIALS:</b> Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -GV) Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: 0.8em;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: H05CP</p>		B DIA	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Solid gas tight, vandal proof, threaded cover for areas where intermittent drain use is required.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -JV) Sediment Bucket -B</p>  <table border="1" style="width: 100%; font-size: 0.8em;"> <tr> <th colspan="2">X</th> </tr> <tr> <th>MIN</th> <th>MAX</th> </tr> <tr> <td>2 (51)</td> <td>3 (76)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: J06NB</p>		X		MIN	MAX	2 (51)	3 (76)																																	
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REINFORCED SQUARE STRAINER		RECTANGULAR STRAINER		ANGLE STRAINER																																																																												
<p><b>FUNCTION:</b> Used in finished floors where some light wheeled traffic is anticipated.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -KV) Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: 0.8em;"> <tr> <th>B SQ</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: K07CP</p>		B SQ	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: 0.8em;"> <tr> <th>SUFFIX</th> <th>L</th> <th>M</th> <th>N</th> <th>P</th> <th>R</th> <th>T</th> </tr> <tr> <td>B x B</td> <td>4 1/2 (115) x 8 (205)</td> <td>4 (100) x 12 (305)</td> <td>5 (125) x 9 (230)</td> <td>5 (125) x 13 (330)</td> <td>6 (150) x 10 (255)</td> <td>5 (125) x 17 (430)</td> </tr> <tr> <td>H</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/4 (57)</td> <td>3 (76)</td> <td>2 1/4 (57)</td> <td>3 (76)</td> </tr> <tr> <td>MIN</td> <td>1 3/8 (35)</td> <td>1 7/8 (48)</td> <td>1 3/8 (35)</td> <td>2 1/8 (54)</td> <td>1 3/8 (35)</td> <td>2 1/4 (57)</td> </tr> <tr> <td>MAX</td> <td>2 3/8 (60)</td> <td>2 3/4 (70)</td> <td>2 3/8 (60)</td> <td>3 (76)</td> <td>2 3/8 (60)</td> <td>3 1/8 (79)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: LNB</p>		SUFFIX	L	M	N	P	R	T	B x B	4 1/2 (115) x 8 (205)	4 (100) x 12 (305)	5 (125) x 9 (230)	5 (125) x 13 (330)	6 (150) x 10 (255)	5 (125) x 17 (430)	H	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	3 (76)	2 1/4 (57)	3 (76)	MIN	1 3/8 (35)	1 7/8 (48)	1 3/8 (35)	2 1/8 (54)	1 3/8 (35)	2 1/4 (57)	MAX	2 3/8 (60)	2 3/4 (70)	2 3/8 (60)	3 (76)	2 3/8 (60)	3 1/8 (79)	<p><b>FUNCTION:</b> Shower room drain set at wall and floor junction. Vertical grate openings prevent drain stoppage should flat surface become covered.</p> <p><b>MATERIALS:</b> Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: 0.8em;"> <tr> <th>SUFFIX</th> <th>B</th> <th>C</th> <th>D</th> <th>X</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>MIN MAX</td> </tr> <tr> <td>-V</td> <td>3 1/2 (89)</td> <td>3 1/2 (89)</td> <td>4 1/2 (115)</td> <td>1 5/8 (41) 2 5/8 (67)</td> </tr> <tr> <td>-W</td> <td>6 3/4 (170)</td> <td>6 3/4 (170)</td> <td>6 1/2 (165)</td> <td>1 5/8 (41) 2 5/8 (67)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: VPB, WNB</p>		SUFFIX	B	C	D	X					MIN MAX	-V	3 1/2 (89)	3 1/2 (89)	4 1/2 (115)	1 5/8 (41) 2 5/8 (67)	-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41) 2 5/8 (67)
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-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41) 2 5/8 (67)																																																																												
EXTENSION ADAPTOR		OVERFLOW WITH STANDPIPE		HEAVY DUTY ADJUSTABLE																																																																												
<p><b>FUNCTION:</b> Used when a strainer head must be raised to accommodate deeper floor fill.</p> <p><b>REGULARLY FURNISHED:</b> Ducto Cast Iron -CI</p> <p><b>MATERIALS:</b> Cast Bronze -CB Galvanized Cast Iron -G</p>  <p><b>NOTE:</b> Extension can be stacked for increased maximum adjustment.</p> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: X07CP</p>		<p><b>FUNCTION:</b> Used as overflow drain in decorative pools, fish ponds or similar areas. Dome prevents floating objects from entering drain line.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Nickel Bronze -NB Polished Bronze -PB</p> <p><b>VARIATIONS:</b> Less Dome -LD Standpipe Height other than 6" (150) (Specify Height)</p>  <table border="1" style="width: 100%; font-size: 0.8em;"> <tr> <th>SUFFIX</th> <th>A SIZE</th> <th>MIN</th> <th>MAX</th> </tr> <tr> <td>-Y</td> <td>2 (51)</td> <td>3/4 (19)</td> <td>2 1/8 (54)</td> </tr> <tr> <td>-Z</td> <td>3 (76)</td> <td>3/4 (19)</td> <td>2 1/8 (54)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: YCP, ZCP</p>		SUFFIX	A SIZE	MIN	MAX	-Y	2 (51)	3/4 (19)	2 1/8 (54)	-Z	3 (76)	3/4 (19)	2 1/8 (54)	<p><b>FUNCTION:</b> Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.</p> <p><b>MATERIALS:</b> Polished Bronze -PB Rough Bronze -RB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -69V) Sediment Bucket -B Vandal Proof Screws -U</p>  <p style="text-align: right;">Specify Type, Size &amp; Finish eg: A06NB-69</p>																																																																
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Fig. 3591																																																																																
<b>J</b>	<b>1-17-12</b>	<b>Rev. Variations of Suffix -J</b>		<b>TBW</b>	<b>AM</b>																																																																											
<b>H</b>	<b>8-24-99</b>	<b>Revised</b>		<b>TBW</b>	<b>BS</b>																																																																											
<b>E</b>	<b>6-11-99</b>	<b>Revised Tables</b>		<b>CMD</b>	<b>BS</b>																																																																											
	<b>1-22-99</b>	<b>T Strainer was S Strainer</b>		<b>TBW</b>	<b>BS</b>																																																																											
	<b>11-4-97</b>	<b>Added Nickel Bronze</b>		<b>EMB</b>	<b>BS</b>																																																																											
REV.	DATE	DESCRIPTION		BY	CKD. BY																																																																											

NOTE: Dimensions shown in parentheses are in millimeters.





S2005D07CIBP050 SMITH





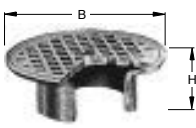
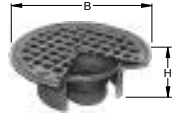
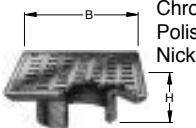

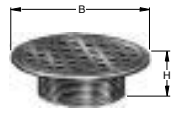
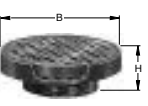
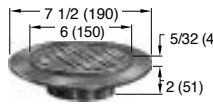
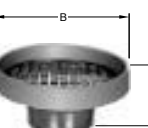
FD2:  
SMITH FLOOR DRAIN 24"



<b>FIGURE NUMBER</b>	<b>2005</b>	<b>DRAWN BY:</b> PJ	<b>CHECKED BY:</b> TD	<b>APPROVED BY:</b> TD	<b>DATE:</b> 5-17-85	<b>SCALE:</b> NONE	<b>SIZE</b> A	<b>DRAWING NUMBER</b> S2005	<b>S</b>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> <b>SMITH® JAY R. SMITH MFG. CO.®</b>  <small>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</small> </div> <div style="text-align: center;">   <small>MEMBER OF:</small> </div> <div style="text-align: right;"> <b>LOCATION</b>  <div style="border: 1px solid black; height: 40px; width: 100%;"></div> </div> </div>																																																														
									<h2 style="margin: 0;">FLOOR OR SHOWER DRAINS</h2> <h3 style="margin: 0;">WITH ADJUSTABLE STRAINER HEADS</h3>																																																															
									<p><b>FUNCTION:</b> General service floor drain for use in showers, toilets, kitchens and other finished areas where foot traffic is expected. The round top strainer head is used for all types of poured finished floors. The square top is particularly adaptable to floors that are finished in material of square or straight line pattern. Reversible flashing collar permits adjustment of the strainer to meet finished floor level.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div>																																																															
									<p style="text-align: center;">A (Pipe Size) = 02(50), 03(75), 04(100), 05(125) or 06(150)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p style="text-align: center;"><b>NO-HUB OUTLET</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> Fig. 2005Y.....(A) ROUND TOP  <input type="checkbox"/> Fig. 2005Y.....(B) SQUARE TOP         </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Outlet Size</th> <th>Nickel Bronze Strainer Head</th> </tr> </thead> <tbody> <tr> <td>▲ 02(50)</td> <td>05(125) DIA or SQ</td> </tr> <tr> <td>▲ 03(75)</td> <td>06(150) DIA or SQ</td> </tr> <tr> <td>▲ 04(100)</td> <td>08(205) DIA or SQ</td> </tr> </tbody> </table> </div> <div style="width: 48%;"> <p style="text-align: center;"><b>SPEEDI-SET OUTLET</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> Fig. 2005L.....(A) ROUND TOP  <input type="checkbox"/> Fig. 2005L.....(B) SQUARE TOP         </div> <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Strainer Size B DIA or SQ</th> <th colspan="2">*Collar In High Position X</th> <th colspan="2">*Collar In Low Position XX</th> <th colspan="2">Free Area SQ IN (SQ CM)</th> </tr> <tr> <th>MIN</th> <th>MAX</th> <th>MIN</th> <th>MAX</th> <th>ROUND</th> <th>SQUARE</th> </tr> </thead> <tbody> <tr> <td>05 (125)</td> <td>1 1/4(32)</td> <td>2 1/4(57)</td> <td>3/4(19)</td> <td>1 5/8(41)</td> <td>7(45)</td> <td>6.5(42)</td> </tr> <tr> <td>06 (150)</td> <td>1 1/4(32)</td> <td>2 1/4(57)</td> <td>3/4(19)</td> <td>1 5/8(41)</td> <td>9(58)</td> <td>12.5(81)</td> </tr> <tr> <td>07 (180)</td> <td>1 1/4(32)</td> <td>2 1/4(57)</td> <td>7/8(22)</td> <td>1 7/8(48)</td> <td>14(90)</td> <td>11(71)</td> </tr> <tr> <td>08 (205)</td> <td>1 1/2(38)</td> <td>2 1/2(64)</td> <td>1(25)</td> <td>1 7/8(48)</td> <td>17(110)</td> <td>14(90)</td> </tr> <tr> <td>*09 (230)</td> <td>1 1/2(38)</td> <td>2 3/8(60)</td> <td>1(25)</td> <td>1 7/8(48)</td> <td>18(116)</td> <td>16(103)</td> </tr> <tr> <td>*10 (255)</td> <td>1 1/2(38)</td> <td>2 3/8(60)</td> <td>1(25)</td> <td>1 7/8(48)</td> <td>23(48)</td> <td>16(103)</td> </tr> </tbody> </table> </div> </div> </div> </div>										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 DIA or SQ	*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)
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<div style="display: flex;"> <div style="width: 33%;"> <p><b>REGULARLY FURNISHED:</b>            Duco Cast Iron Body with Flashing Collar and Adjustable Strainer Head as Indicated by Suffix Letter Selected.</p> <p><b>NOTE:</b> Dimensions shown in parentheses are in millimeters.</p> <p>▲ Meets ASME Standard A112.6.3-2001 02(50), 03(75) or 04"(100) sizes only.</p> </div> <div style="width: 33%;"> <p><b>VARIATIONS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Flapper Type Backwater Valve -V</li> <li><input type="checkbox"/> Hinged Grate -H</li> <li><input type="checkbox"/> L Speedi-Set Service Weight 2(50), 3(75) &amp; 4"(100) only</li> <li><input type="checkbox"/> LXH Speedi-Set Extra Heavy 2(50), 3(75) &amp; 4"(100) only</li> <li><input checked="" type="checkbox"/> Sediment Bucket -B</li> <li><input checked="" type="checkbox"/> Trap Primer Connection -P050 1/2" (13) &amp; -P075 3/4" (19)</li> <li><input type="checkbox"/> Vandal Proof Screws -U</li> <li><input type="checkbox"/> Wide Flanged Strainer (Specify Fig. DX2005)</li> <li><input type="checkbox"/> T Threaded Outlet</li> <li><input type="checkbox"/> Heelproof Grate -HP -AHP (Round) or -BHP (Square)</li> <li><input type="checkbox"/> Quad Close Trap Seal (Specify Fig. 2692)</li> </ul> </div> <div style="width: 33%;"> <p><b>OPTIONAL MATERIALS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Bronze Body -BB</li> <li><input type="checkbox"/> Chrome Plated Strainer -CP</li> <li><input type="checkbox"/> Galvanized Cast Iron Body -G</li> <li><input type="checkbox"/> Nickel Bronze Strainer -NB</li> <li><input type="checkbox"/> Polished Bronze Strainer -PB</li> <li><input type="checkbox"/> All Stainless Steel (Specify Fig. 9700)</li> <li><input type="checkbox"/> Stainless Steel Strainers -SS [Available in 05(125) &amp; 06(150) sizes only]</li> </ul> </div> </div>																																																																								
<p><b>SEE PM0457 FOR OPTIONAL STRAINER HEADS.</b></p>																																																																								




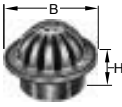

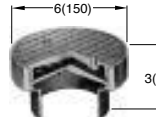
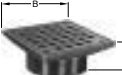

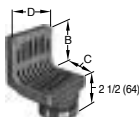
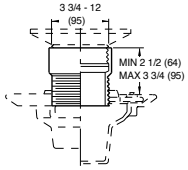
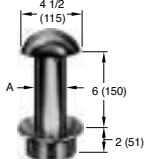

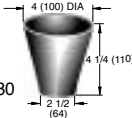
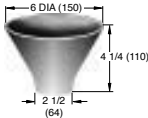
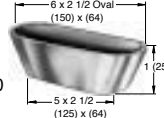
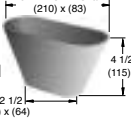
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R	6-10-15	Revised Variations	TBW	CL			
Q	11-18-11	Rev. Dwg., Var.	TBW	CR			
P	11-20-09	Revised Variations	RN	BW			<b>2005</b>
REV.	DATE	DESCRIPTION	BY	CKD. BY			



<b>H</b>	   				<b>LOCATION</b>																													
DRAWING NUMBER <b>PM0457 SH 1 of 2</b>	SIZE <b>A</b>	SCALE <b>NONE</b>	DATE: <b>5-17-85</b>	APPROVED BY: <b>TD</b>	CHECKED BY: <b>TD</b>	DRAWN BY: <b>PJ</b>																												
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ROUND STRAINER																																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  </div> <div style="width: 65%;"> <p><b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB            Stainless Steel            Strainers -SS [Available in 05(125) &amp; 06(150) sizes only]</p> <p><b>VARIATIONS:</b>            *Hinged Grate (Specify Suffix -AH)            Sediment Bucket -B            Vandal Proof Screws -U</p> </div> </div> <table border="1" style="width: 100%; font-size: 0.7em; margin-top: 10px;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> <th>09 (230)</th> <th>10 (255)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/2 (64)</td> <td>2 3/4 (70)</td> </tr> <tr> <td>X MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> <td>1 1/2 (38)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>X MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/2 (64)</td> <td>2 3/4 (70)</td> </tr> </table> <p style="text-align: center; font-size: 0.8em;">Specify Type, Size &amp; Finish eg: A05NB        *Not available for 05" (125) size</p>							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)
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FLAPPER TYPE BACKWATER VALVE																																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  </div> <div style="width: 65%;"> <p><b>FUNCTION:</b> Provides backwater protection at point where protection is needed.</p> <p><b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB</p> <p><b>VARIATIONS:</b>            *Hinged Grate (Specify Suffix -AH)            Vandal Proof Screws -U</p> </div> </div> <table border="1" style="width: 100%; font-size: 0.7em; margin-top: 10px;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>X MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>X MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: center; font-size: 0.8em;">Specify Type, Size &amp; Finish eg: AV05NB        *Not available for 05" (125) size</p>							B DIA	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)								
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X MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)																														
SQUARE STRAINER																																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  </div> <div style="width: 65%;"> <p><b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB</p> <p><b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -BV) 05 (125), 06 (150), 07 (180) or 08" (205) sizes only            *Hinged Grate (Specify Suffix -BH)            Sediment Bucket -B            Vandal Proof Screws -U</p> </div> </div> <table border="1" style="width: 100%; font-size: 0.7em; margin-top: 10px;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> <th>09 (230)</th> <th>10 (255)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> </tr> <tr> <td>X MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> <td>1 1/2 (38)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>X MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/4 (57)</td> <td>2 3/8 (60)</td> </tr> </table> <p style="text-align: center; font-size: 0.8em;">Specify Type, Size &amp; Finish eg: B05NB        *Not available for 05" (125) size</p>							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 1/4 (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)
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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)																												
STRAINER HEAD w/SQUARE HINGED COVER																																		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  </div> <div style="width: 65%;"> <p><b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB</p> <p><b>VARIATIONS:</b>            Gasketed Water Tight Cover -GC            Secured Cover -SC            Secondary Strainer Grate -SG</p> </div> </div> <p style="text-align: center; font-size: 0.8em;">Specify Type, Size &amp; Finish eg: BSNB</p>																																		
REINFORCED ROUND STRAINER																																		
<p><b>FUNCTION:</b> Used in finished floors where light wheeled loads are anticipated.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  </div> <div style="width: 65%;"> <p><b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB</p> <p><b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -CV)            Sediment Bucket -B            Vandal Proof Screws -U</p> </div> </div> <table border="1" style="width: 100%; font-size: 0.7em; margin-top: 10px;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>08 (205)</th> <th>10 (255)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/2 (64)</td> <td>2 3/4 (70)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> <td>1 7/8 (48)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 3/4 (70)</td> </tr> </table> <p style="text-align: center; font-size: 0.8em;">Specify Type, Size &amp; Finish eg: C06NB</p>							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)								
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MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	2 3/4 (70)																														
REINFORCED TRACTOR STRAINER																																		
<p><b>FUNCTION:</b> Used in finished floors where medium weight wheeled loads are anticipated and loose set non-tilt tractor grate is desired.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  </div> <div style="width: 65%;"> <p><b>MATERIALS:</b>            Cast Iron -CI            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB</p> <p><b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -DV or -EV)            Sediment Bucket -B            Vandal Proof Screws -U</p> </div> </div> <table border="1" style="width: 100%; font-size: 0.7em; margin-top: 10px;"> <tr> <th>SUFFIX</th> <th>B DIA</th> <th>H</th> <th colspan="2">X</th> </tr> <tr> <td>-D</td> <td>07 (180)</td> <td>3 1/4 (83)</td> <td>2 5/8 (67)</td> <td>3 1/2 (89)</td> </tr> <tr> <td>-E</td> <td>09 (230)</td> <td>3 1/2 (89)</td> <td>2 3/4 (70)</td> <td>3 1/2 (89)</td> </tr> </table> <p style="text-align: center; font-size: 0.8em;">Specify Type, Size &amp; Finish eg: D09PB        E09PB</p>							SUFFIX	B DIA	H	X		-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)													
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TILE FLANGE																																		
<p><b>FUNCTION:</b> Provides integral flange set 5/32" (4) below rim to receive floor covering. Flange may have option of tapped holes for securing pan and gasket.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  </div> <div style="width: 65%;"> <p><b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB</p> <p><b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -FV)            Holes in Flange -SH            Sediment Bucket -B            Vandal Proof Screws -U</p> </div> </div> <table border="1" style="width: 100%; font-size: 0.7em; margin-top: 10px;"> <tr> <th colspan="2">X</th> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> </tr> <tr> <td>MAX</td> <td>2 1/8 (54)</td> </tr> </table> <p style="text-align: center; font-size: 0.8em;">Specify Type, Size &amp; Finish eg: F06NB</p>							X		MIN	1 1/4 (32)	MAX	2 1/8 (54)																						
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ADJUSTABLE STRAINER HEAD																																		
<p><b>FUNCTION:</b> Used in a non-traffic area when a funnel type strainer head is required and space does not allow use of the 3500 series funnel. The extended rim allows use as an anti-flood and anti-splash drip pan.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  </div> <div style="width: 65%;"> <p><b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -F37V or F38V)</p> <p><b>MATERIALS:</b>            Cast Iron -CI            Chrome Plated -CP            Galvanized Cast Iron -G            Polished Bronze -PB            Nickel Bronze -NB</p> </div> </div> <table border="1" style="width: 100%; font-size: 0.7em; margin-top: 10px;"> <tr> <th>SUFFIX</th> <th>-F37</th> <th>-F38</th> </tr> <tr> <td>B DIA</td> <td>07 (180)</td> <td>09 (230)</td> </tr> <tr> <td>H</td> <td>3 1/4 (83)</td> <td>3 1/2 (89)</td> </tr> <tr> <td>MIN</td> <td>2 5/8 (67)</td> <td>2 3/4 (70)</td> </tr> <tr> <td>X MAX</td> <td>3 1/2 (89)</td> <td>3 1/2 (89)</td> </tr> </table> <p style="text-align: center; font-size: 0.8em;">Specify Type, Size &amp; Finish eg: F37NB F38CP</p>							SUFFIX	-F37	-F38	B DIA	07 (180)	09 (230)	H	3 1/4 (83)	3 1/2 (89)	MIN	2 5/8 (67)	2 3/4 (70)	X MAX	3 1/2 (89)	3 1/2 (89)													
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FIGURE NUMBER	<b>H</b>	<b>11-3-16</b>	<b>Revised Suffix-A</b>	<b>Revised Suffix-BS</b>	<b>TBW</b>	<b>CL</b>	<b>CL</b>	<b>BS</b>	<b>FIGURE NUMBER</b>																									
	<b>F</b>	<b>10-4-01</b>								<b>8-24-99</b>	<b>6-11-99</b>	<b>Revised Tables</b>	<b>TBW</b>	<b>CL</b>	<b>BS</b>	<b>2010 SERIES OPTIONAL STRAINER HEADS</b>																		
	REV.	DATE	DESCRIPTION			BY	CKD. BY		1 of 2																									

NOTE: Dimensions shown in parentheses are in millimeters.



<b>J</b>	<b>SMITH® JAY R. SMITH MFG. CO.®</b> 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:	 MEMBER OF:	 MEMBER OF:	<b>LOCATION</b>																																																																														
<b>PM0457 SH 2 of 2</b>	<b>A</b>	<b>NONE</b>	<b>SCALE</b>	<b>DATE:</b>	<b>APPROVED BY:</b>	<b>TD</b>	<b>CHECKED BY:</b>	<b>TD</b>	<b>DRAWN BY:</b>	<b>PJ</b>	<b>FIGURE NUMBER</b>																																																																								
<b>OPTIONAL STRAINER HEADS</b>																																																																																			
<b>LOW DOME STRAINER</b>			<b>SOLID HINGED COVER</b>			<b>SPANNER WRENCH COVER</b>																																																																													
<p><b>FUNCTION:</b> Used in gutters and recessed areas where excessive debris build-up is expected. Dome insures drainage even when partly covered.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -GV) Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: G08PB</p>			B DIA	05 (125)	06 (150)	08 (205)	H	2 (51)	2 (51)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Used in areas where intermittent drain use is required. Solid cover prevents intrusion of chips, saw-dust, etc., which are swept up before cover is opened for washdown. The secondary strainer prevents debris from entering the waste line.</p> <p><b>MATERIALS:</b> Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -GV) Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: H05CP</p>			B DIA	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Solid gas tight, vandal proof, threaded cover for areas where intermittent drain use is required.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -JV) Sediment Bucket -B</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th colspan="2">X</th> </tr> <tr> <th>MIN</th> <th>MAX</th> </tr> <tr> <td>2 (51)</td> <td>3 (76)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: J06NB</p>			X		MIN	MAX	2 (51)	3 (76)																																	
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<b>REINFORCED SQUARE STRAINER</b>			<b>RECTANGULAR STRAINER</b>			<b>ANGLE STRAINER</b>																																																																													
<p><b>FUNCTION:</b> Used in finished floors where some light wheeled traffic is anticipated.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -KV) Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>B SQ</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: K07CP</p>			B SQ	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>SUFFIX</th> <th>L</th> <th>M</th> <th>N</th> <th>P</th> <th>R</th> <th>T</th> </tr> <tr> <td>B x B</td> <td>4 1/2 (115)</td> <td>4 1/2 (115)</td> <td>4 1/2 (115)</td> <td>4 1/2 (115)</td> <td>4 1/2 (115)</td> <td>4 1/2 (115)</td> </tr> <tr> <td>H</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/4 (57)</td> <td>3 (76)</td> <td>2 1/4 (57)</td> <td>3 (76)</td> </tr> <tr> <td>MIN</td> <td>1 3/8 (35)</td> <td>1 7/8 (48)</td> <td>1 3/8 (35)</td> <td>2 1/8 (54)</td> <td>1 3/8 (35)</td> <td>2 1/4 (57)</td> </tr> <tr> <td>MAX</td> <td>2 3/8 (60)</td> <td>2 3/4 (70)</td> <td>2 3/8 (60)</td> <td>3 (76)</td> <td>2 3/8 (60)</td> <td>3 1/8 (79)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: LNB</p>			SUFFIX	L	M	N	P	R	T	B x B	4 1/2 (115)	4 1/2 (115)	4 1/2 (115)	4 1/2 (115)	4 1/2 (115)	4 1/2 (115)	H	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	3 (76)	2 1/4 (57)	3 (76)	MIN	1 3/8 (35)	1 7/8 (48)	1 3/8 (35)	2 1/8 (54)	1 3/8 (35)	2 1/4 (57)	MAX	2 3/8 (60)	2 3/4 (70)	2 3/8 (60)	3 (76)	2 3/8 (60)	3 1/8 (79)	<p><b>FUNCTION:</b> Shower room drain set at wall and floor junction. Vertical grate openings prevent drain stoppage should flat surface become covered.</p> <p><b>MATERIALS:</b> Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>SUFFIX</th> <th>B</th> <th>C</th> <th>D</th> <th>X</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>MIN MAX</td> </tr> <tr> <td>-V</td> <td>3 1/2 (89)</td> <td>3 1/2 (89)</td> <td>4 1/2 (115)</td> <td>1 5/8 (41) 2 5/8 (67)</td> </tr> <tr> <td>-W</td> <td>6 3/4 (170)</td> <td>6 3/4 (170)</td> <td>6 1/2 (165)</td> <td>1 5/8 (41) 2 5/8 (67)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: VPB, WNB</p>			SUFFIX	B	C	D	X					MIN MAX	-V	3 1/2 (89)	3 1/2 (89)	4 1/2 (115)	1 5/8 (41) 2 5/8 (67)	-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41) 2 5/8 (67)
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-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41) 2 5/8 (67)																																																																															
<b>EXTENSION ADAPTOR</b>			<b>OVERFLOW WITH STANDPIPE</b>			<b>HEAVY DUTY ADJUSTABLE</b>																																																																													
<p><b>FUNCTION:</b> Used when a strainer head must be raised to accommodate deeper floor fill.</p> <p><b>REGULARLY FURNISHED:</b> Ducto Cast Iron -CI</p> <p><b>MATERIALS:</b> Cast Bronze -CB Galvanized Cast Iron -G</p>  <p><b>NOTE:</b> Extension can be stacked for increased maximum adjustment.</p> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: YCP, ZCP</p>			<p><b>FUNCTION:</b> Used as overflow drain in decorative pools, fish ponds or similar areas. Dome prevents floating objects from entering drain line.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Nickel Bronze -NB Polished Bronze -PB</p> <p><b>VARIATIONS:</b> Less Dome -LD Standpipe Height other than 6" (150) (Specify Height)</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>SUFFIX</th> <th>A SIZE</th> <th>MIN</th> <th>MAX</th> </tr> <tr> <td>-Y</td> <td>2 (51)</td> <td>3/4 (19)</td> <td>2 1/8 (54)</td> </tr> <tr> <td>-Z</td> <td>3 (76)</td> <td>3/4 (19)</td> <td>2 1/8 (54)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: YCP, ZCP</p>			SUFFIX	A SIZE	MIN	MAX	-Y	2 (51)	3/4 (19)	2 1/8 (54)	-Z	3 (76)	3/4 (19)	2 1/8 (54)	<p><b>FUNCTION:</b> Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.</p> <p><b>MATERIALS:</b> Polished Bronze -PB Rough Bronze -RB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -69V) Sediment Bucket -B Vandal Proof Screws -U</p>  <p style="text-align: right;">Specify Type, Size &amp; Finish eg: A06NB-69</p>																																																																	
SUFFIX	A SIZE	MIN	MAX																																																																																
-Y	2 (51)	3/4 (19)	2 1/8 (54)																																																																																
-Z	3 (76)	3/4 (19)	2 1/8 (54)																																																																																
<b>SUFFIX -X</b>			<b>SUFFIX -Y-Z</b>			<b>SUFFIX -69</b>																																																																													
 <p>Fig. 3580</p>			 <p>Fig. 3581</p>			 <p>Fig. 3590</p>																																																																													
 <p>Fig. 3591</p>																																																																																			
<b>J</b>	<b>1-17-12</b>	<b>Rev. Variations of Suffix -J</b>	<b>TBW</b>	<b>AM</b>	<b>FIGURE NUMBER</b> <b>2010 SERIES OPTIONAL STRAINER HEADS</b> <b>2 of 2</b>																																																																														
<b>H</b>	<b>8-24-99</b>	<b>Revised</b>	<b>TBW</b>	<b>BS</b>																																																																															
<b>E</b>	<b>6-11-99</b>	<b>Revised Tables</b>	<b>CMD</b>	<b>BS</b>																																																																															
<b>E</b>	<b>1-22-99</b>	<b>T Strainer was S Strainer</b>	<b>TBW</b>	<b>BS</b>																																																																															
<b>REV.</b>	<b>DATE</b>	<b>DESCRIPTION</b>	<b>BY</b>	<b>CKD. BY</b>																																																																															

NOTE: Dimensions shown in parentheses are in millimeters.





REC97041

RECTORSEAL

TRAP GUARDS:  
SURESEAL 2 TRAP SEAL





# The Green Solution

## Inline 2" Floor Drain Trap Sealer

### Model SS2009V

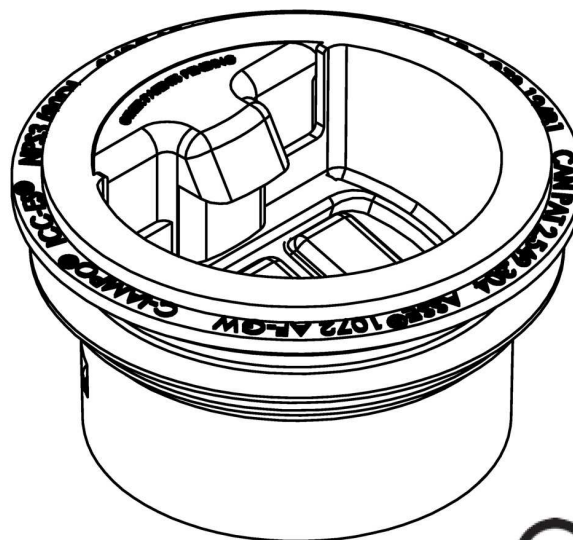
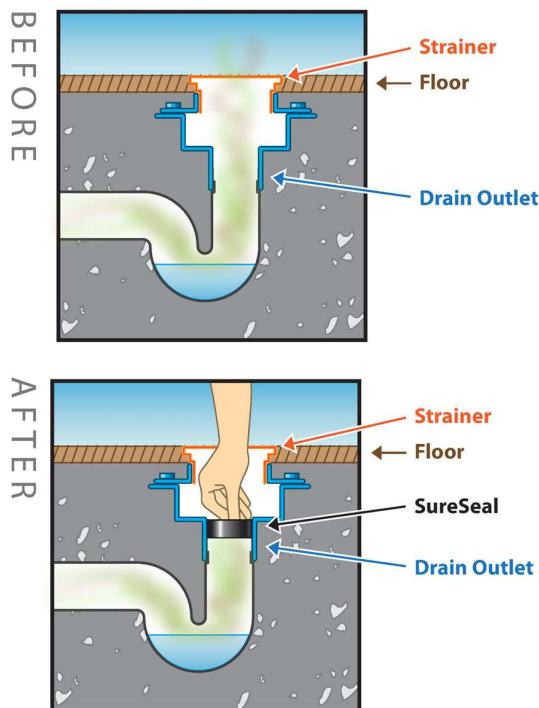


**Specification:** SureSeal Model SS2009V 2" Inline Floor Drain Trap Seal. Commercial grade UV and Ozone resistant ABS plastic housing with proprietary EPDM rubber diaphragm and soft rubber sealing gasket. Floor rating ASSE – 1072 AF-GW.

**Function:** Installed into the outlet of drain bodies, drain strainers, or drain hubs to protect the trap seal from evaporation. Creates a physical barrier that blocks sewer gases and their odors from escaping. Provides waterless trap seal protection equivalent to water based trap primers.

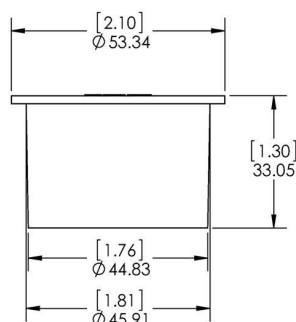
- **New Construction:** Used as a trap primer replacement or in conjunction with a trap primer to provide protection against escaping sewer gases. Eliminates the need to repair/replace trap primers when they fail.
- **Retrofit:** Used in situations where trap primers have failed or where trap primers were never installed.

**Benefits:** Simple to install, eliminates the need for complex, time consuming, and expensive repairs. ECO friendly providing 100% water savings efficiency over traditional methods.

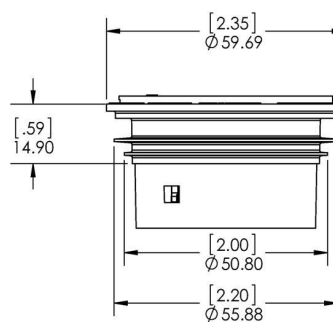


ICC-ES Listed: PMG-1070 IAPMO Listed: C-4165

Patents Pending



HOUSING (NO GASKET)



HOUSING & GASKET





S55198

SMITH

**WHYD:**

SMITH 5519 WALL HYDRANT SS 8"



<b>J</b>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> <b>SMITH® JAY R. SMITH MFG. CO.®</b>  <small>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</small> </div> <div style="text-align: center;">   <small>MEMBER OF:</small> </div> <div style="text-align: center;">   <small>MEMBER OF:</small> </div> </div>				<b>LOCATION</b> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	
	<b>GUARDIAN DUAL CHECK</b> <b>1/4 TURN NON-FREEZE WALL HYDRANT WITH AUTOMATIC DRAINING</b> <b>INTEGRAL VACUUM BREAKER, DUAL CHECK VALVE AND STAINLESS STEEL BOX</b>					
	<b>BOX TYPE WITH CONCEALED HOSE CONNECTION</b>					
	<p><b>FUNCTION:</b> Provides positive non-freeze protection where water is required at the outside of the building and features an integral vacuum breaker and dual check valve. The stainless steel recessed box conceals the nozzle and operating mechanism. The locking cover prevents unauthorized use.</p> <p style="text-align: center;"><b>1/4 Turn of the Key or Wheel Handle Allows Full Flow to Be Obtained</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <b>FRONT VIEW with COVER OPEN</b> </div> <div style="text-align: center;">   <b>TOP VIEW</b> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="width: 45%;"> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>Recommended wall opening 3 3/16 (83) x 8 1/2 (215).</li> <li>When ordering, specify wall thickness in 1 (25) increments as follows 5, 6, 7, 8, 9.....24.</li> <li>All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings, and USDA approved lubricants.</li> <li>When wall clamp -WC is desired, increase wall thickness dimension by 2 (51).</li> <li>Add 3/4 (19) to Overall Length When Specified.</li> <li>Add 3/8 (10) When Optional Box Face Material is Specified.</li> <li>When specifying Fig. 5519 (-SAP) the wall thickness shall be 3 (76).</li> <li>Dimensions shown in parentheses are in millimeters.</li> <li>The AB1953, California Lead Law, and NSF/ANSI Standard 61-2008 - Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.</li> <li><b>FOR IRRIGATION PURPOSES ONLY.</b></li> </ol> <p>Meets ANSI A112.21.3M Specifications  Complies w/ ASSE 1019-B, 1052 and 1053.  IAPMO Listed - File #2749  Patent No. US 6,752,167</p> </div> <div style="width: 50%;"> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> A small amount of water seepage may occur from the vacuum breaker and operating screw upon initial opening and closing of the hydrant. This is normal operation. </div> <div style="text-align: center;">   <b>FRONT VIEW</b> </div> <p>16 Gauge Frame and Hinged Locking Cover. (Cover opens full 180°)</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <b>Installer is responsible for providing a 100% watertight positive seal at the hydrant to box interface and hydrant to wall interface. Seal all interior joints, seams, gasket seams/closures including around the hydrant box flange with an appropriate sealant recommended by a sealant manufacturer. NOTE: Jay R. Smith does not warrant the performance or life expectancy of the sealant material.</b> </div> </div> </div>					
<p><b>REGULARLY FURNISHED:</b> Bronze Quarter Turn Non-Freeze Automatic Draining Hydrant with Stainless Steel Face, Hose Connection, Integral Vacuum Breaker and Dual Check Valve, "T" Handle Key, Wheel Handle and Stainless Steel Box with Full 180° Cover Opening.</p>						
<p><b>VARIATIONS:</b></p> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Adjustable Wall Clamp -WC (Note 4)  <input type="checkbox"/> 1 (25) Hose Connection -HC1  <input type="checkbox"/> 1 (25) Male NPT Inlet Connection -IC1 (Note 5)  <input type="checkbox"/> Mild Climate -SAP (Note 7)  <input type="checkbox"/> Cylinder Lock -CL </div> <div> <input type="checkbox"/> Polished Bronze Box Face -PB  <input type="checkbox"/> Nickel Bronze Box Face -NB  <input type="checkbox"/> Rough Bronze Box Face -RB  <input type="checkbox"/> Chrome Plated Box Face -CP </div> </div>						

J	7-20-16 1-31-13 6-13-11 5-17-11	Added Note Revised Notes Revised Note Added Note	TBW TBW TBW TBW	BW CL CL CL	WEIGHT POUNDS	VOLUME CUBIC FEET	<b>FIGURE NUMBER</b> <div style="font-size: 2em; font-weight: bold; margin-top: 10px;">5519</div>
REV.	DATE	DESCRIPTION	BY	CKD. BY			

DRAWING NUMBER  
S5519SIZE  
ASCALE:  
NONEDATE:  
3-24-03APPROVED BY:  
CELCHECKED BY:  
CLDRAWN BY:  
RN

5519

FIGURE  
NUMBER

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

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE



**SMITH® JAY R. SMITH MFG. CO.®**  
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 POST OFFICE BOX 3237  
 MONTGOMERY, ALABAMA 36109-0237 (USA)  
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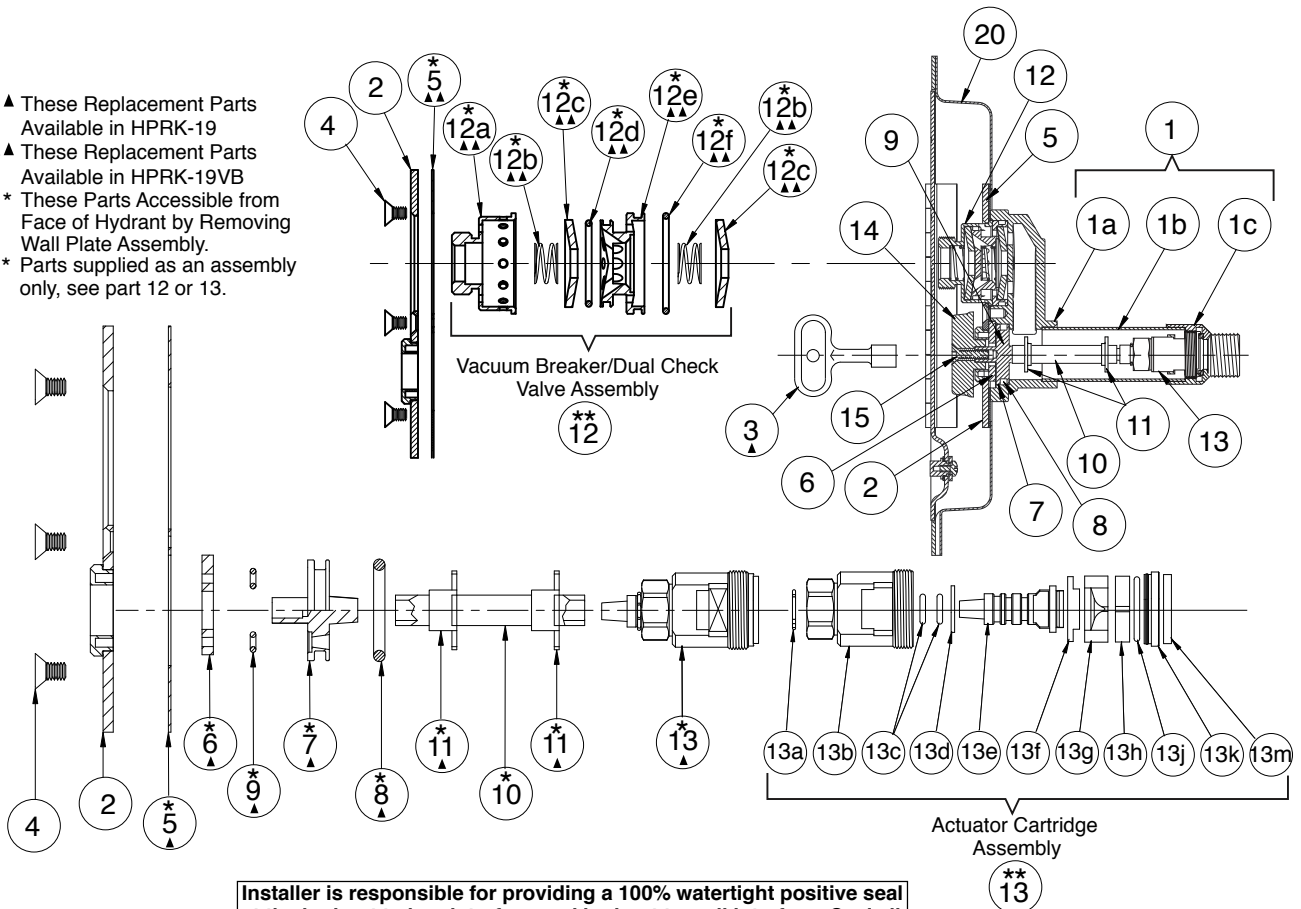


MEMBER OF:

LOCATION

# GUARDIAN DUAL CHECK HYDRANT PARTS LIST

- ▲ These Replacement Parts Available in HPRK-19  
 ▲▲ These Replacement Parts Available in HPRK-19VB  
 \* These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly.  
 \*\* Parts supplied as an assembly only, see part 12 or 13.



Installer is responsible for providing a 100% watertight positive seal at the hydrant to box interface and hydrant to wall interface. Seal all interior joints, seams, gasket seams/closures including around the hydrant box flange with an appropriate sealant recommended by a sealant manufacturer. NOTE: Jay R. Smith does not warrant the performance or life expectancy of the sealant material.

## HYDRANT PARTS LIST

NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Casing Assembly	7	Moveable Operator Piece	12d	**Small O-Ring	13f	**Nylon Thrust Washer
1a	Head	8	Moveable Operator O-Ring	12e	**Flow Diverter	13g	**Rotating Ceramic Disc
1b	Casing	9	Drain Hole Seal (2)	12f	**Large O-Ring	13h	**Fixed Ceramic Disc
1c	Valve Housing	10	Operator Rod	13	Actuator Cartridge Assembly	13j	**O-Ring
2	Wall Plate Assembly	11	Operator Rod Guides (2)	13a	**Retaining Ring	13k	**O-Ring Gasket Retainer
3	Key	12	Vacuum Breaker/Dual Check Valve Assembly	13b	**Valve Body	13m	**Rubber Seal
4	Wall Plate Securing Screw (5)	12a	**Vacuum Breaker Housing	13c	**Actuator O-Ring (2)	14	Wheel Handle
5	Wall Plate Gasket	12b	**Spring (2)	13d	**Nylon Thrust Spacer	15	Wheel Handle Screw
6	Stationary Operator Piece	12c	**Cone Washer (2)	13e	**Valve Actuator	20	Box Assembly

FIGURE NUMBER	REV.	DATE	DESCRIPTION	TBW	BW
A		7-20-16	Added Note		

WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
		5519BS





PPRH2

PRIER

ROOF HYDRANT:  
POST TYPE ROOF HYDRANT ASSEMBLY



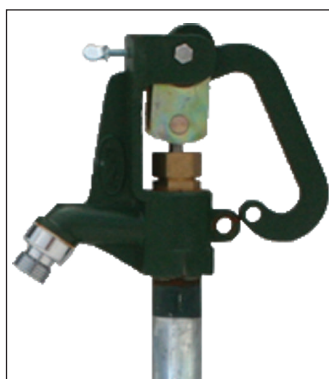


4515 East 139th Street  
Grandview, MO 64030  
(800) 362-9055  
Fax (800) 362-1463  
www.PRIER.com

## P-RH2 Post Mount Roof Hydrant

### Application

**With Integral P-004 Vacuum Breaker  
and Dual Backflow Preventor**



*close-up view*



- Commercial/Industrial
- Freezeless
- Anti-Siphon
- Self Draining



PRIER's P-RH2 Post Mount Roof Hydrant provides a year round source of water to roof surfaces in areas with freezing temperatures. The hydrant stands 30" above the roof for easy hose access. The hydrant valve is connected to the supply piping in the heated portion of the structure, and is self-draining, eliminating the possibility of freezing. This valve has a built in vacuum breaker that allows the hydrant to drain even if the hose is left on.

The Roof Mounting Bracket enables the hydrant to be mounted to any structural member with rigid support, instead of to the skin of the building like competitive products.

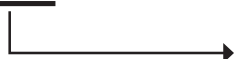
This bracket requires only a single penetration point of 1 3/4", and can be mounted to concrete, wood, steel, I-beams, truss, perlin or other structural member with standard construction materials (Unistrut, all-thread, etc.).

### Features

- Triple seal EPDM stopper for long wear life
- Bracket mounts to any roof structural member (truss, I-beam, concrete roof, etc.)
- Single hole penetration of 1 3/4"
- Single person installation with standard tools
- Hydrant has 3/4" inlet and multi-pass seat for high flow rates
- Freezeless anti-siphon hydrant stands 30" above the roof for easy hose access
- Heavy duty cast iron head and lockable lever handle
- Bucket hook on spout
- Designed to be installed with standard construction materials (Unistrut, all-thread, etc.)
- Self draining with 1/8" NPT drainage port
- Repair can be easily accomplished at roof level
- Flow rate adjustment
- ASSE 1052 approved vacuum breaker and backflow preventer
- Adjustable bracket to accommodate roof angles up to 4/12

### Ordering

**P-RH2** ✓



#### Length

- H1- Flush Mount Roof Hydrant
- H2- Post Mount Roof Hydrant
- H3- Mild Climate Roof Hydrant
- MB- Roof Hydrant Mounting Bracket

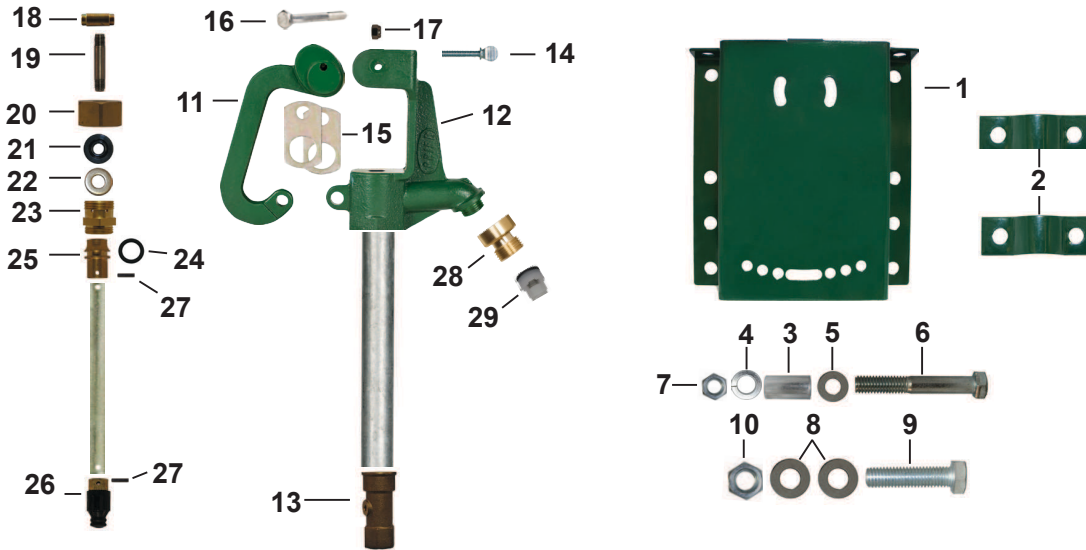






4515 East 139th Street  
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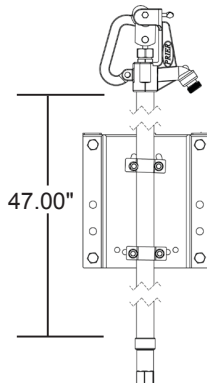
Replacement Parts



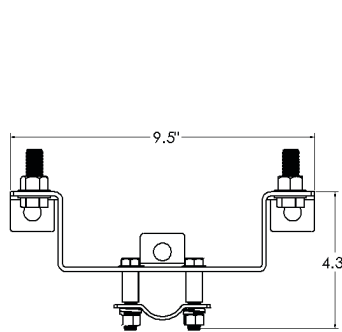
ID	Part No.	Description	ID	Part No.	Description
1	314-0021	Mounting Bracket	16	314-0008	Handle Bolt (Stainless Steel)
2	314-0022	Pipe Bracket	17	314-0009	Nylon Hex Nut (Stainless Steel)
3	314-0023	Stand Off	18	314-7001	Adjustable Connector Nut (Zinc)
4	314-0025	3/8" Lock Washer	19	314-7002	Upper Rod (Stainless Steel)
5	324-1006	3/8" Flat Washer	20	310-7005	Valve Stem Cap (Brass)
6	314-0024	3/8" Shoulder Bolt	21	336-0008	Packing (EPDM)
7	314-0027	3/8" Nut	22	324-1003	Washer (Stainless Steel)
8	314-0029	1/2" Flat Washer	23	310-7003	Seal Adapter (Brass)
9	314-0028	1/2" Bolt	24	336-0001	O-Ring (EPDM)
10	314-0030	1/2" Hex Nut	25	310-7001	Seal Sleeve (Brass)
11	301-7003	Handle (Cast Iron)	26	399-7001	Stopper (EPDM over Brass)
12	301-7001	Hydrant Head (Cast Iron)	27	324-0004	Spring Pin, Quantity 2 Required (Stainless Steel)
13	300-7001	Seat (Cast Brass)	28	310-7006	Hose Piece, 3/4" Hose Thread (Brass)
14	315-0001	Thumb Screw (Zinc Plated Steel)	29	399-0001	Check Valve (Plastic, Rubber, Stainless Steel)
15	304-7001	Draw Straps, Quantity 2 Required (Zinc Plated Steel)		P-260KT-802	Stopper Repair Kit, Contains: 24, 26, 27

Rough-In Dimensions Specs

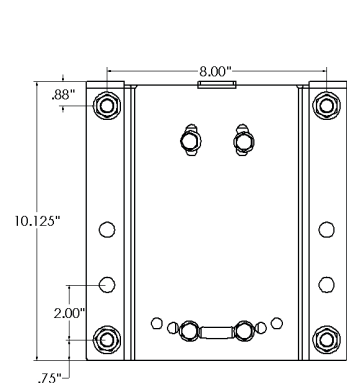
Side Hydrant View



Bottom Bracket View



Front Bracket View



Furnish and install Model P-RH2 commercial Post Mount Roof Hydrant manufactured by PRIER Products, Inc. Hydrant shall be installed through a 1 3/4" single penetration in the roof and mounted to the interior structure with the Universal Roof Hydrant Mounting Bracket (P-RMB) provided. This bracket must be manufactured of heavy gauge powder coated steel and must allow for adjustment to meet roof angles up to 4/12. The mounting bracket shall be mounted to concrete, a roofing truss, steel I-beam or interior wall with standard construction materials (all-thread, Unistrut or other). The hydrant shall have automatic draining capabilities with integral vacuum breaker/backflow preventer. Hydrant shall be cast iron with freezeless water flow and self draining functions, one piece valve plunger and a triple-seal shut off mechanism. The hydrant shall have a 3/4" inlet and a 1/8" NPT drainage port to be connected to the drain waste line inside the structure. Hydrant shall be approved under the ASSE 1052 standard. The roof penetration is to be sealed by the roofing contractor in accordance with the roofing codes and conditions in their municipality.





L2932

LIBERTY

**SUMP PUMP:**

3/4 HP 1 PUMP HOUSING 115 VOLTS 25 CORD



# 290-SERIES

## 3/4 hp Submersible Effluent/Sump Pumps

The Liberty 290 series provides a cost effective “mid-range” pump for on-site waste water systems, liquid waste transfer and commercial heavy-duty sump pump applications that require higher head or more flow. Designed around Liberty’s unique “Uni-Body” casting, the 290-Series will provide years of reliable performance.

### All Models Feature:

- Semi-Open impeller permitting passage of solids up to 3/4"
- 416 stainless steel rotor shaft
- Permanently lubricated upper and lower ball bearing
- Epoxy powder coat finish
- All fasteners – corrosion-resistant stainless steel
- 1 1/2" Discharge
- Stainless steel bottom screen – easily removable
- Maximum fluid temperature: 140° F.
- **290-Series Cord Lengths**

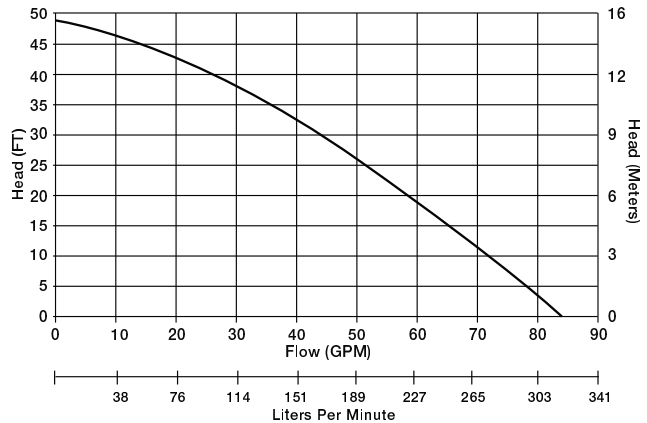
Model	10'	25'(-2)	35'(-3)	50'(-5)
290	Standard	Optional	Optional	Optional
291	Standard	Optional	Optional	Optional
293	Standard	Optional	Optional	N/A
297	Standard	Optional	N/A	N/A
10' cord length standard on all models. For optional lengths, add "-2, -3 or -5" suffix to model number. Example: for model 290 with 35' cord. Order 290-3				

### Motor Specifications

3/4 hp 60 Hz 3450 RPM  
Oil filled, thermally protected

115 V. Models 10.4 amps  
208/230 V. Models 5.3 amps

### Performance Curve: 290-Series



### Dimensional Data:

**Weight:** 31 lbs.  
**Height:** 13"  
**Major Width:** 10" (model 297)

### Minimum Sump Diameters:

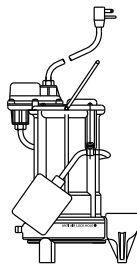
Model 291, 293...14"  
Model 297 VMF...10"

Factory switch settings	Model 291, 293	Model 297 VMF
Turn on level	13"	9.5"
Turn off level	7"	4.0"

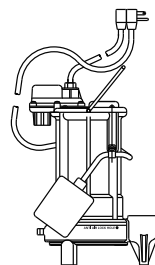
The Model 293 features a fully adjustable wide-angle float. Differential adjustments can be made easily by tethering the float to the discharge pipe or other mounting point. Vertical float model 297 is not adjustable.



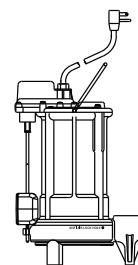
**Model 290**  
Manual,  
no switch



**Model 291**  
Wide angle  
float switch  
with quick-  
disconnect



**Model 293**  
Wide angle  
float switch  
with series  
(piggy-back)  
plug



**Model 297 VMF-Series**  
Vertical mag-  
netic float for  
smaller pits –  
will operate in  
a 10" diameter  
sump



CSA US Certified

Specifications are subject to change without notice.

**Liberty Pumps • 7000 Apple Tree Avenue • Bergen, New York 14416 • Phone 800-543-2550 Fax (585) 494-1839**  
**www.libertypumps.com**

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**WC2:**

A3517C101020	AMERICAN STANDARD	CADET PRO EL BOWL WHT
A4188A104020	AMERICAN STANDARD	1.28 GALLONS PER FLUSH 12 TANK CADET COMPLETE WHITE
PFTSE2000WH	PROFLO	ELONGATED CLOSET SEAT PLASTIC ECONOMY WHITE





## CADET® PRO™ ELONGATED TOILET VITREOUS CHINA

### CADET® PRO™ ELONGATED TOILET

#### ❑ 215CA.004

- Features the **Cadet® Flushing System**
- Vitreous china
- Low consumption (6.0 Lpf/1.6 gpf) toilet
- Trade exclusive tank
- PowerWash® rim scrubs bowl with each flush
- Robust metal trip lever & metal shank fill valve
- Includes EZ-Install Tools w/color match bowl caps
- EverClean® surface included
- 3" flush valve
- Fully-glazed 2-1/8" trapway
- 12" (305mm) rough-in
- Generous 9" x 8" water surface area
- Chrome finish trip lever is supplied
- 1,000g MaP Score\*\* at 1.6 gpf
- 5 year warranty

#### ✓ 3517C.101 Elongated Bowl

#### ❑ 4188A.004 Tank

#### Nominal Dimensions:

767 x 441 x 733mm (30-1/8" x 17-3/8" x 28-7/8")

Fixture only, seat and supply sold separately

#### Alternative Tank Configuration Available:

- ❑ 4188A.054 Tank complete with Aquaguard Liner
- ❑ 4188A.064 Tank complete with tank cover locking device
- ❑ 4188A.074 Tank complete with Aquaguard Liner and tank cover locking device
- ❑ 4188A.005 Tank complete with trip lever located on right side
- ❑ 4188A.065 Tank complete with tank cover locking device and trip lever located on right side

#### Compliance Certifications -

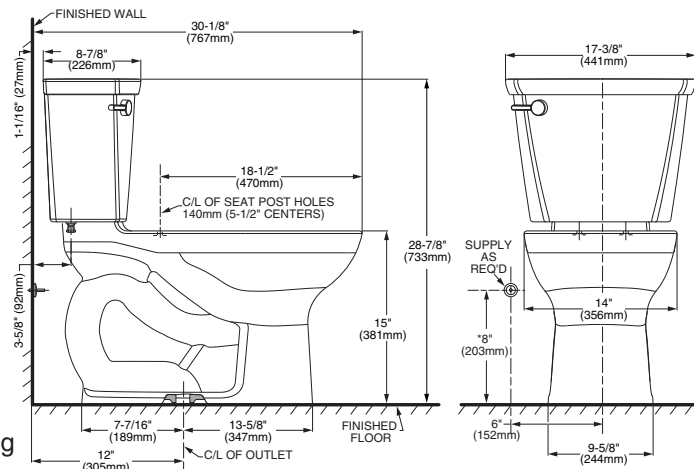
#### Meets or Exceeds the Following Specifications:

- ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures

\*\* Maximum Performance (MaP) testing performed by IAPMO R&T Lab. MaP Report conducted by Veritec Consulting, Inc. and Koeller and Company.

#### To Be Specified:

- ❑ Color: ❑ White ❑ Bone ❑ Linen ❑ Black
- ❑ Seat: #5321.110 EverClean® Elongated Seat with Slow Close Snap-Off Hinges
- ❑ Supply with stop:



#### NOTES:

THIS TOILET IS DESIGNED TO ROUGH-IN AT A MINIMUM DIMENSION OF 305MM (12") FROM FINISHED WALL TO C/L OF OUTLET. SUPPLY NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY. \* DIMENSION SHOWN FOR LOCATION OF SUPPLY IS SUGGESTED.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

**Cadet® PRO™**





## CADET® PRO™ ELONGATED TOILET VITREOUS CHINA

### CADET® PRO™ ELONGATED TOILET

#### ❑ 215CA.104

- Features the **Cadet® Flushing System**
- Vitreous china
- High Efficiency Toilet (HET), ultra-low consumption (4.8 Lpf/1.28 gpf), utilizes 20% less water
- Meets EPA WaterSense® criteria
- Trade exclusive tank
- PowerWash® rim scrubs bowl with each flush
- Robust metal trip lever & metal shank fill valve
- Includes EZ-Install Tools w/color match bowl caps
- EverClean® surface included
- 3" flush valve
- Fully-glazed 2-1/8" trapway
- 12" (305mm) rough-in
- Generous 9" x 8" water surface area
- Chrome finish trip lever is supplied
- 1,000g MaP Score\*\* at 1.28 gpf
- 5 year warranty

#### ❑ 3517C.101 Elongated Bowl

#### ✓ 4188A.104 Tank

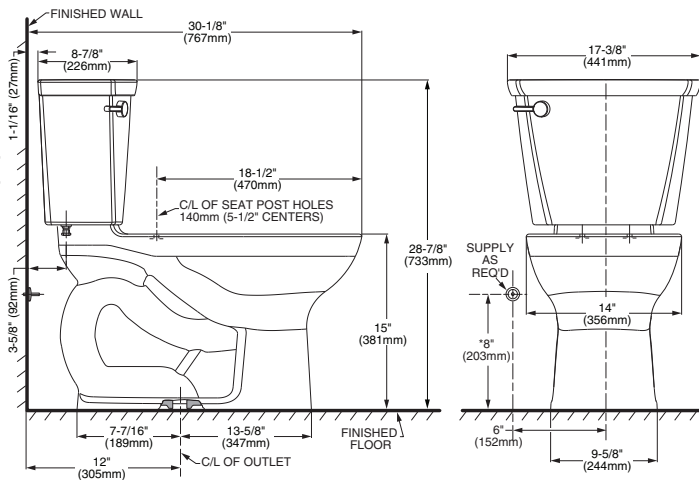
#### Nominal Dimensions:

767 x 441 x 733mm (30-1/8" x 17-3/8" x 28-7/8")

Fixture only, seat and supply sold separately

#### Alternative Tank Configurations Available:

- ❑ 4188A.154 Tank complete with Aquaguard Liner
- ❑ 4188A.155 Tank complete with Aquaguard Liner and trip lever located on right side
- ❑ 4188A.164 Tank complete with tank cover locking device
- ❑ 4188A.174 Tank complete with Aquaguard Liner and tank cover locking device
- ❑ 4188A.105 Tank complete with trip lever located on right side
- ❑ 4188A.165 Tank complete with tank cover locking device and trip lever located on right side



#### Compliance Certifications -

#### Meets or Exceeds the Following Specifications:

- ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures
- US EPA WaterSense® Specification for HETs

#### NOTES:

THIS TOILET IS DESIGNED TO ROUGH-IN AT A MINIMUM DIMENSION OF 305MM (12") FROM FINISHED WALL TO C/L OF OUTLET. SUPPLY NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY. \* DIMENSION SHOWN FOR LOCATION OF SUPPLY IS SUGGESTED.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

#### To Be Specified:

- ❑ Color: ☐ White ☐ Bone ☐ Linen ☐ Black
- ❑ Seat: #5321.110 EverClean® Elongated Seat with Slow Close Snap-Off Hinges
- ❑ Supply with stop:



**Cadet® PRO™**

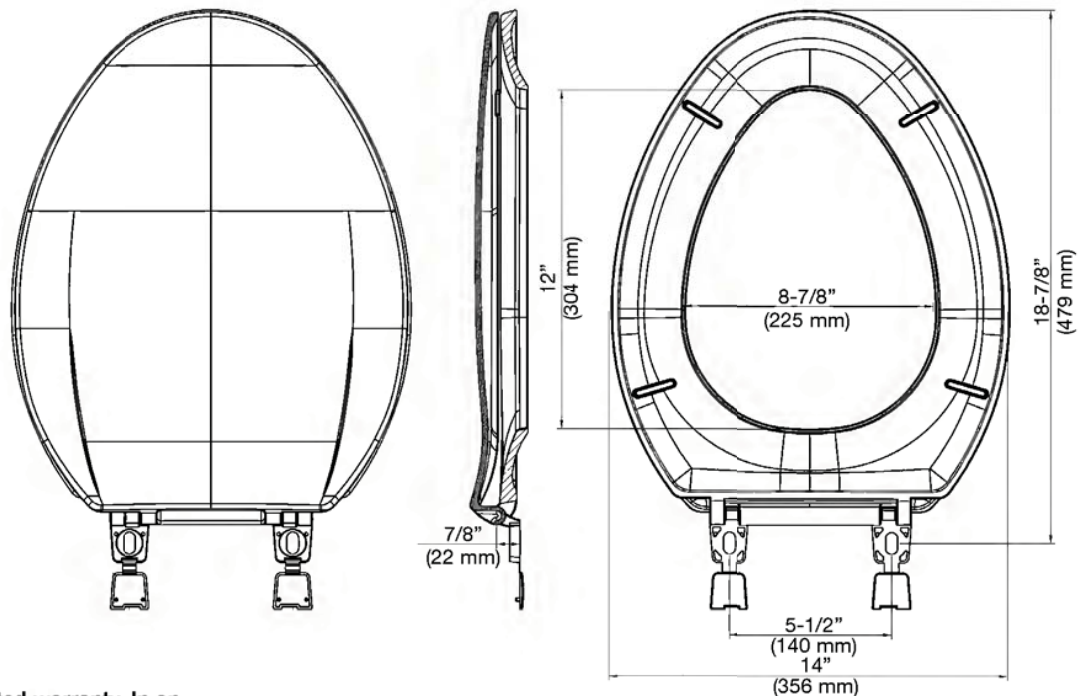


**PFTSE2000WH****Plastic  
Toilet Seats****Product Features**

- Impact resistant plastic construction
- Available in round or elongated
- Closed front with cover
- Conforms to ANSI Z124.5
- White only

**Model Numbers**

✓ **PFTSE2000WH** Elongated plastic toilet seat, white

**PFTSE2000WH****Product Specifications****Warranty and Codes**

PROFLO toilet seats carry a 1-year limited warranty. In an effort to continually improve our products, FEI will make design changes from time to time. We reserve the right to ship newly designed product to fill any order unless we agree in writing to do otherwise. Conforms to ANSI Z124.5





A3517A101020	AMERICAN STANDARD	<u>WC2H:</u> CADET PRO RIGHT HEIGHT ELONG BOWL WHITE
A4188A104020	AMERICAN STANDARD	1.28 GALLONS PER FLUSH 12 TANK CADET COMPLETE WHITE
PFTSE2000WH	PROFLO	ELONGATED CLOSET SEAT PLASTIC ECONOMY WHITE





**CADET® PRO™ RIGHT HEIGHT®  
ELONGATED TOILET  
VITREOUS CHINA**

# CADET® PRO™ RIGHT HEIGHT® ELONGATED TOILET

❑ 215AA.104

- Features the **Cadet® Flushing System**
- Vitreous china
- High Efficiency Toilet (HET), ultra-low consumption (4.8 Lpf/1.28 gpf), utilizes 20% less water
- Meets EPA WaterSense® criteria
- Trade exclusive tank
- PowerWash® rim scrubs bowl with each flush
- Robust metal trip lever & metal shank fill valve
- Includes EZ-Install Tools w/color match bowl caps
- EverClean® surface included
- 3" flush valve
- Fully-glazed 2-1/8" trapway
- 16-1/2" rim height for accessible applications
- 12" (305mm) rough-in
- Generous 9" x 8" water surface area
- Chrome finish trip lever is supplied
- 1,000g MaP Score\*\* at 1.28 gpf
- 5 year warranty



☐ **215AA.105** Same as above except with trip lever on right side

✓ **3517A.101** Right Height® Elongated Bowl

☐ 4188A.104 Tank

### Nominal Dimensions:

767 x 441 x 771mm (30-1/8" x 17-3/8" x 30-3/8")

Fixture only, seat and supply sold separately

### Alternative Tank Configurations Available:

- ☐ **4188A.154** Tank complete with Aquaguard Liner
- ☐ **4188A.155** Tank complete with Aquaguard Liner and trip lever located on right side
- ☐ **4188A.164** Tank complete with tank cover locking device
- ☐ **4188A.174** Tank complete with Aquaguard Liner and tank cover locking device
- ☐ **4188A.105** Tank complete with trip lever located on right side
- ☐ **4188A.165** Tank complete with tank cover locking device and trip lever located on right side

## Compliance Certifications -

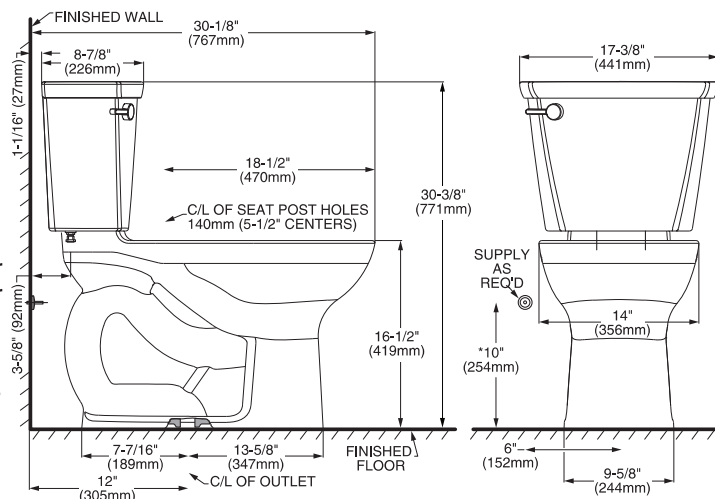
**Meets or Exceeds the Following Specifications:**

- ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures
- US EPA WaterSense® Specification for HETs

\*\* Maximum Performance (MaP) testing performed by IAPMO R&T Lab. MaP Report conducted by Veritec Consulting, Inc. and Koeller and Company.

**To Be Specified:**

- ☒ Color: ☒ White ☐ Bone ☐ Linen ☐ Black  
☐ Seat: #5321.110 EverClean® Elongated Seat with Slow Close Snap-Off Hinges  
☐ Supply with stop:



NOTES:

THIS TOILET IS DESIGNED TO ROUGH-IN AT A MINIMUM DIMENSION OF 305MM (12") FROM FINISHED WALL TO C/L OF OUTLET.  
SUPPLY NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY.  
\* DIMENSION SHOWN FOR LOCATION OF SUPPLY IS SUGGESTED.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2.

These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.



**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDING FACILITIES-CHECK LOCAL CODES.**



**Cadet® PRO™**





## CADET® PRO™ ELONGATED TOILET VITREOUS CHINA

### CADET® PRO™ ELONGATED TOILET

#### ❑ 215CA.104

- Features the **Cadet® Flushing System**
- Vitreous china
- High Efficiency Toilet (HET), ultra-low consumption (4.8 Lpf/1.28 gpf), utilizes 20% less water
- Meets EPA WaterSense® criteria
- Trade exclusive tank
- PowerWash® rim scrubs bowl with each flush
- Robust metal trip lever & metal shank fill valve
- Includes EZ-Install Tools w/color match bowl caps
- EverClean® surface included
- 3" flush valve
- Fully-glazed 2-1/8" trapway
- 12" (305mm) rough-in
- Generous 9" x 8" water surface area
- Chrome finish trip lever is supplied
- 1,000g MaP Score\*\* at 1.28 gpf
- 5 year warranty

#### ❑ 3517C.101 Elongated Bowl

#### ✓ 4188A.104 Tank

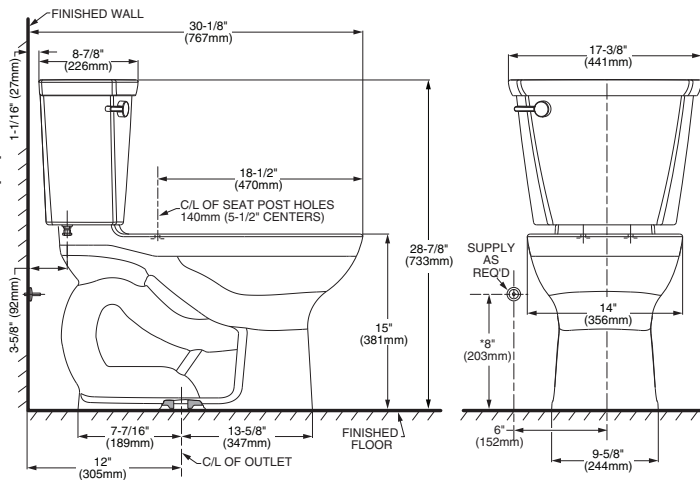
#### Nominal Dimensions:

767 x 441 x 733mm (30-1/8" x 17-3/8" x 28-7/8")

Fixture only, seat and supply sold separately

#### Alternative Tank Configurations Available:

- ❑ 4188A.154 Tank complete with Aquaguard Liner
- ❑ 4188A.155 Tank complete with Aquaguard Liner and trip lever located on right side
- ❑ 4188A.164 Tank complete with tank cover locking device
- ❑ 4188A.174 Tank complete with Aquaguard Liner and tank cover locking device
- ❑ 4188A.105 Tank complete with trip lever located on right side
- ❑ 4188A.165 Tank complete with tank cover locking device and trip lever located on right side



#### Compliance Certifications -

#### Meets or Exceeds the Following Specifications:

- ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures
- US EPA WaterSense® Specification for HETs

#### NOTES:

THIS TOILET IS DESIGNED TO ROUGH-IN AT A MINIMUM DIMENSION OF 305MM (12") FROM FINISHED WALL TO C/L OF OUTLET. SUPPLY NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY. \* DIMENSION SHOWN FOR LOCATION OF SUPPLY IS SUGGESTED.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

\*\* Maximum Performance (MaP) testing performed by IAPMO R&T Lab. MaP Report conducted by Veritec Consulting, Inc. and Koeller and Company.

#### To Be Specified:

- ❑ Color: ☐ White ☐ Bone ☐ Linen ☐ Black
- ❑ Seat: #5321.110 EverClean® Elongated Seat with Slow Close Snap-Off Hinges
- ❑ Supply with stop:



**Cadet® PRO™**

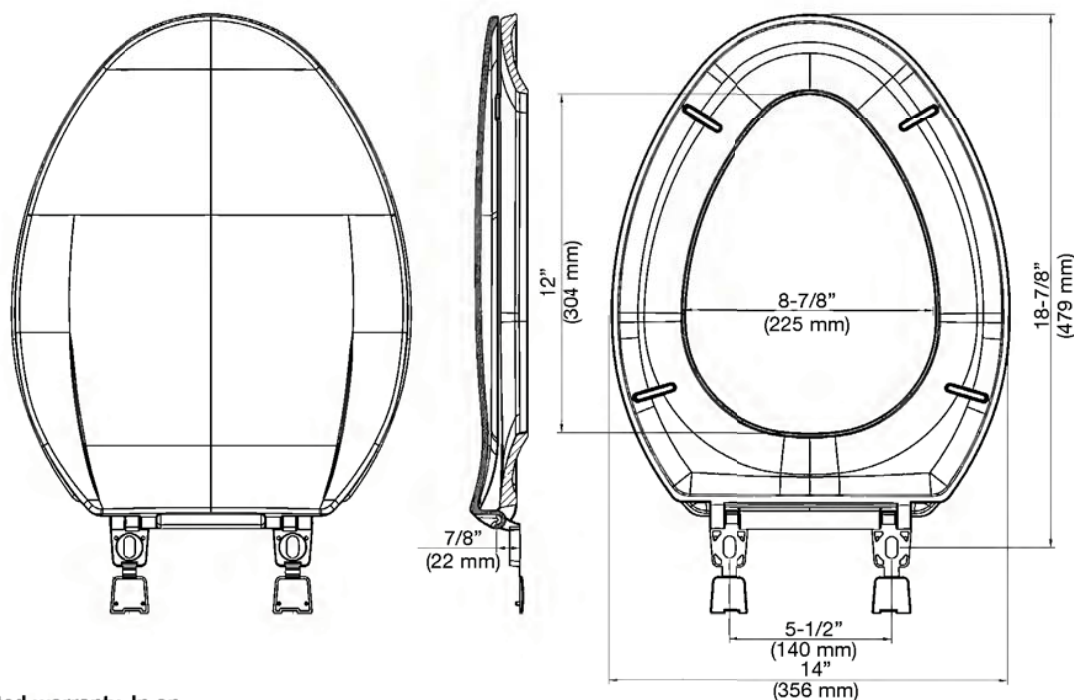


**PFTSE2000WH****Plastic  
Toilet Seats****Product Features**

- Impact resistant plastic construction
- Available in round or elongated
- Closed front with cover
- Conforms to ANSI Z124.5
- White only

**Model Numbers**

✓ **PFTSE2000WH** Elongated plastic toilet seat, white

**PFTSE2000WH****Product Specifications****Warranty and Codes**

PROFLO toilet seats carry a 1-year limited warranty. In an effort to continually improve our products, FEI will make design changes from time to time. We reserve the right to ship newly designed product to fill any order unless we agree in writing to do otherwise. Conforms to ANSI Z124.5





A6590001020	AMERICAN	<u>URH:</u>
	STANDARD	0.125 GALLONS PER FLUSH URINAL TOP SPUD WHITE
ZZ6203EWSYBYC	ZURN	0.5 GPM URINAL FLUSH VALVE WITH YB YC





# WASHBROOK® FloWise® UNIVERSAL URINAL VITREOUS CHINA



## WASHBROOK® FloWise® UNIVERSAL URINAL

- Vitreous china
- Ultra High Efficiency, Low Consumption. Operates in the range of 0.125gpf to 1.0gpf (0.5 Lpf to 3.8 Lpf)
- Flushing rim
- Elongated 14" rim from finished wall
- Washout flush action
- Extended sides for privacy
- 3/4" inlet spud
- Outlet connection threaded 2" inside (NPTF)
- 2 wall hangers
- Fixture only
- Strainer included
- Meets ASME flush requirements at 0.125 to 1.0 gpf



☒ **6590.001** Universal Top spud

☐ **6515.001** Universal Back spud

### Nominal Dimensions:

360 x 480 x 664mm

(14-1/8" x 18-7/8" x 26-1/8")

Recommended working pressure – between  
20 psi at valve when flushing and 80 psi static

### Compliance Certifications -

#### Meets or Exceeds the Following Specifications:

- ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures



SEE REVERSE FOR ROUGHING-IN DIMENSIONS

### To Be Specified:

☒ Color: ☒ White

☐ Flush Valve:

1.0 gpf Flush Valve: Sensor-Operated:

☐ American Standard Selectronic® #6063.101.002

DC Power (Top Spud)

☐ American Standard Selectronic® #6062.101.002

AC Power (Back Spud)

1.0 gpf Flush Valve: Manual-Operated:

☐ American Standard # 6045.101.002

0.5 gpf Flush Valve: Sensor-Operated:

☐ American Standard Selectronic® #6063.051.002

DC Power (Top Spud)

☐ American Standard Selectronic® #6062.051.002

AC Power (Back Spud)

0.5 gpf Flush Valve: Manual-Operated:

☐ American Standard #6045.051.002

0.125 gpf Flush Valve: Sensor-Operated:

☐ American Standard Selectronic® #6063.013.002

DC Power (Top Spud)

☐ American Standard Selectronic® #6062.013.002

AC Power (Back Spud)

0.125 gpf Flush Valve: Manual-Operated:

☐ American Standard #6045.013.002



Certified by  
IAPMO R&T  
When used with  
0.125 gpf or 0.5 gpf  
urinal flush valves

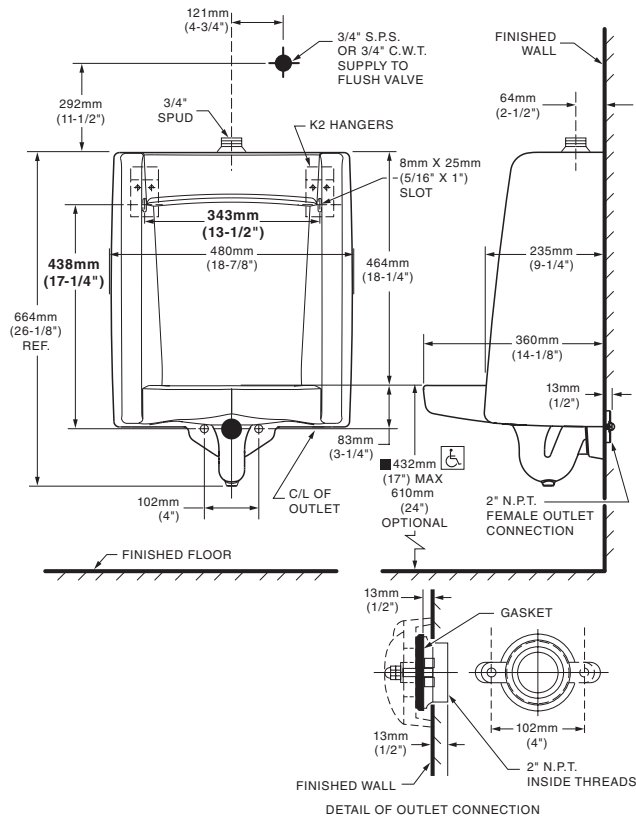


*American  
Standard*

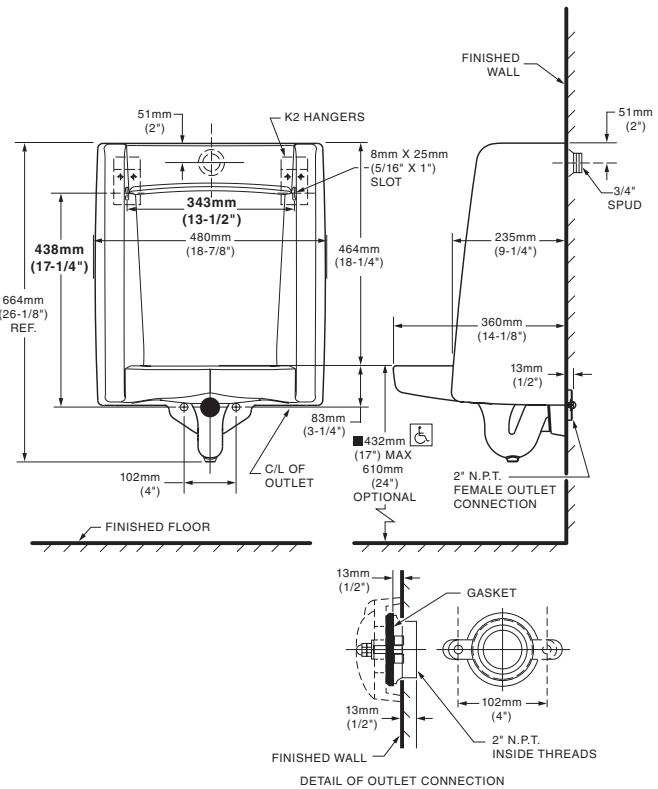
# WASHBROOK® FloWise® UNIVERSAL URINAL VITREOUS CHINA


 BARRIER FREE

## 6590.001 TOP SPUD



## 6515.001 BACK SPUD



 MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES.

- When installed so top of rim is 432mm (17") MAXIMUM from finished floor.

**NOTES:**  
FLUSH VALVE NOT INCLUDED AND MUST BE ORDERED SEPARATELY.  
PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

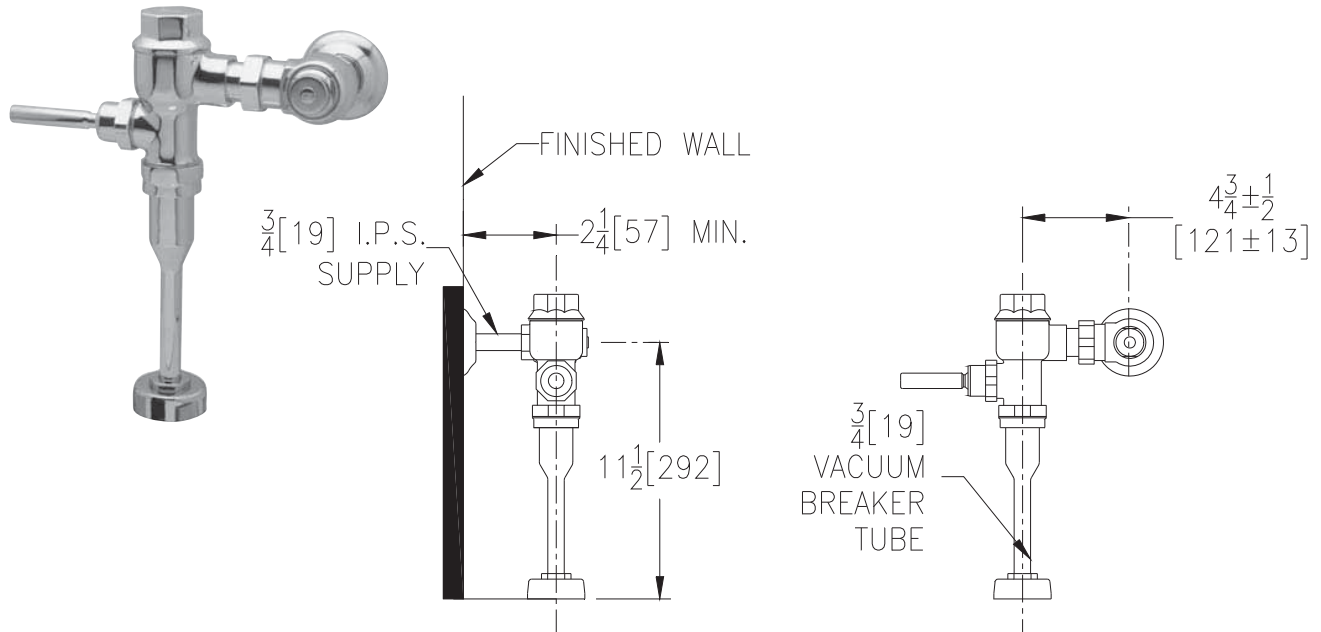




Metroflush™

TAG \_\_\_\_\_

## Exposed Z6203 Model Metroflush Piston Operated Flush Valve For 3/4" Urinal Valves



### Flow Options

- |  |                                |
|--|--------------------------------|
| <input checked="" type="checkbox"/> -EWS       | 0.5 Gallons Per Flush          |
| <input type="checkbox"/> -WS1                  | 1.0 Gal. Low Consumption Flush |
| <input type="checkbox"/> -FF                   | 3.0 Gal. Full Flush            |
| <input type="checkbox"/> <b>Standard Flush</b> | 1.5 Gallons Per Flush          |

### Suffix Options (Check/Specify Appropriate Options)

- |  |                             |
|--|-----------------------------|
| <input type="checkbox"/> -L              | 1"[25] Metal Push Button    |
| <input type="checkbox"/> -L3             | 3"[76] Metal Push Button    |
| <input type="checkbox"/> -VC             | Vandal Resistant Stop Cover |
| <input checked="" type="checkbox"/> -XYV | Less Vacuum Breaker         |
| <input checked="" type="checkbox"/> -YB  | Sweat Solder Kit            |
| <input checked="" type="checkbox"/> -YC  | Cast Wall Flange            |
| <input type="checkbox"/> -YJ             | Split Ring Pipe Support     |
| <input type="checkbox"/> -YK             | Solid Ring Pipe Support     |
| <input type="checkbox"/>                 | Other                       |

**ENGINEERING SPECIFICATION: ZURN Z6203 Metroflush Piston Operated Exposed Urinal Flush Valve-** The Metroflush is an exposed, quiet piston type, chrome plated flushometer valve with polished exterior. Complete with Zurn MetroVantage chloramine resistant piston with a clog resistant filtered by-pass. The valve is ADA compliant with a non-hold open and no-leak handle feature, high back pressure vacuum breaker, one piece hex coupling nut, adjustable tailpiece, spud coupling and flange for top spud connection. Control stop has internal siphon-guard protection. Internal seals are made of chloramine resistant materials.

This space is for Architectural/engineering Approval

ZURN INDUSTRIES, INC. ♦ COMMERCIAL BRASS OPERATION ♦ 5900 ELWIN BUCHANAN DRIVE ♦ SANFORD NC 27330

Phone: 1-800-997-3876 ♦ Fax: 919-775-3541 ♦ World Wide Web: [www.zurn.com](http://www.zurn.com)

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

Metroflush™ is a trademark of Zurn Industries, Inc.

Rev. D  
Dwg. No. 61397

Date: 1/31/07  
Product No. Z6203





A0496221020

PLG142060K  
PF202WH

AMERICAN  
STANDARD  
PFISTER  
PROFLO

**L2H:**

19 X 16 VITREOUS CHINA UNDERCOUNTER MOUNT LAVATORY  
\*OVALYN WHITE  
SINGLE CONTROL LAVATORY FAUCET, PUSH & SEAL POP UP  
COVER FOR TRAP / HOT & COLD STOP & SUPPLY



*American Standard*

Style That Works Better

 BARRIER FREE**OVALYN™  
UNDERCOUNTER SINK  
VITREOUS CHINA****OVALYN™ UNDERCOUNTER SINK**

- Classic oval undermount sink
- Made from vitreous china
- Front overflow
- Supplied with mounting kit (047194-0070A) and template

☐ **0495.221 Unglazed rim**

435 x 359mm  
(17-1/8" x 14-1/8")

☐ **0495.300 Glazed underside****Bowl size:**

382mm (15-1/16") wide  
306mm (12-1/16") front to back  
140mm (5-1/2") deep

☒ **0496.221 Unglazed rim**

489 x 413mm  
(19-1/4" x 16-1/4")

☐ **0496.300 Glazed underside****Bowl size:**

432mm (17") wide  
356mm (14") front to back  
140mm (5-1/2") deep

☐ **0497.221 Unglazed rim**

546 x 441mm  
(21-1/2" x 17-3/8")

☐ **0497.300 Glazed underside****Bowl size:**

483mm (19") wide  
391mm (15-3/8") front to back  
140mm (5-1/2") deep

**Compliance Certifications -****Meets or Exceeds the Following Specifications:**

- ASME A112.19.2M for Vitreous China Fixtures
- CAN/CSA B45 series

**To Be Specified:**

- ☒ Color: ☒ White ☐ Bone ☐ Linen  
☐ Silver ☐ Fawn Beige ☐ Black
- ☐ Faucet\*:  
☐ Faucet Finish:  
☐ Supplies:  
☐ 1-1/4" Trap:

\* See faucet section for additional models available



SEE REVERSE FOR ROUGHING-IN DIMENSIONS



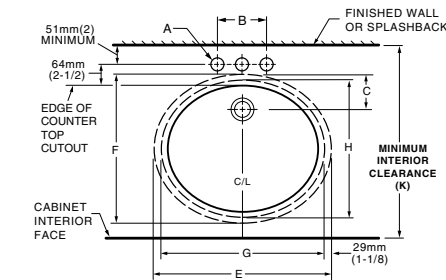
# American Standard

Style That Works Better

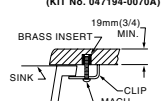
 **BARRIER FREE**

## OVALYN™ UNDERCOUNTER SINK VITREOUS CHINA

**0496/0497**



▼ **DETAIL OF MOUNTING CLIP**  
(KIT No. 047194-0070A)



REFER TO INSTRUCTIONS  
PROVIDED WITH KIT FOR  
ADDITIONAL INFORMATION

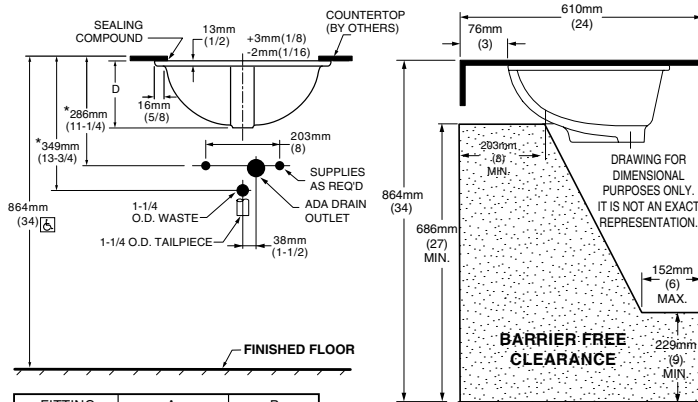
**NOTES:**

\* DIMENSIONS SHOWN FOR LOCATION OF SUPPLIED AND "P" TRAP ARE SUGGESTED.

▼ UNDERCOUNTER MOUNTING KIT SUPPLIED WITH SINK.

**PLEASE NOTE MINIMUM INTERIOR CLEARANCE DIMENSION (K).** FITTINGS NOT INCLUDED AND MUST BE ORDERED SEPARATELY. USE ENCLOSED TEMPLATE FOR COUNTERTOP CUTOUT SEALING COMPOUND SUPPLIED BY OTHERS.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.



FITTING	A	B
CENTERSET	1-1/4 (32mm)	4 (102mm)
SPREAD	1-3/8 (35mm)	8 (203mm)

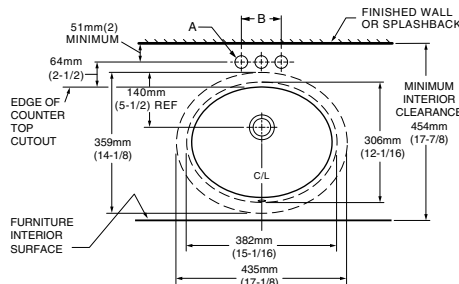
CAT. NO.	E	F	G	H	C	D	J	K
0496.221	489mm (19-1/4)	413mm (16-1/4)	432mm (17)	356mm (14)	103mm (4-1/16)	182mm (7-3/16)	16mm (5/8)	500mm (19-11/16)
0497.221	546mm (21-1/2)	441mm (17-3/8)	483mm (19)	391mm (15-3/8)	95mm (3-3/4)	191mm (7-1/2)	19mm (3/4)	534mm (21-1/16)



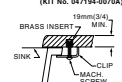
**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES.**

Countertop 864mm (34") from finished floor. Lavatory installed 76mm (3") from front edge of countertop. Countertop thickness to be 25mm (1") maximum.

**0495**



▼ **DETAIL OF MOUNTING CLIP**  
(KIT No. 047194-0070A)



REFER TO INSTRUCTIONS  
PROVIDED WITH KIT FOR  
ADDITIONAL INFORMATION

FITTING	A	B
CENTERSET	1-1/4 (32mm)	4 (102mm)
SPREAD	1-3/8 (35mm)	8 (203mm)

**NOTES:**

USE ENCLOSED TEMPLATE FOR COUNTER TOP CUTOUT. FITTINGS NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY.

\* DIMENSIONS SHOWN FOR LOCATION OF SUPPLIED AND "P" TRAP ARE SUGGESTED.

▼ UNDERCOUNTER MOUNTING KIT SUPPLIED WITH SINK.

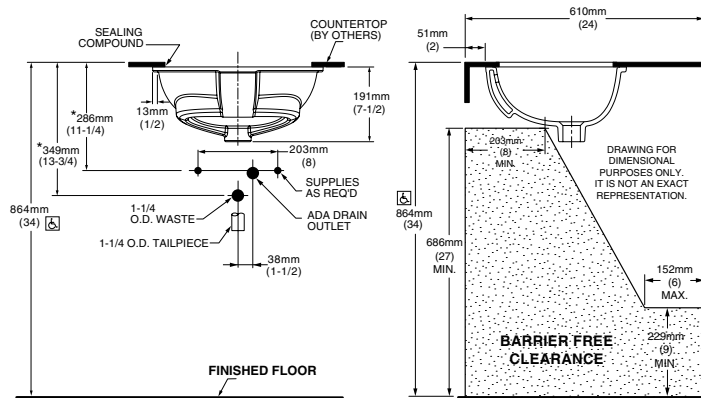
**PLEASE NOTE MINIMUM INTERIOR CLEARANCE DIMENSION (K).** SEALING COMPOUND SUPPLIED BY OTHERS.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages



**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES.**

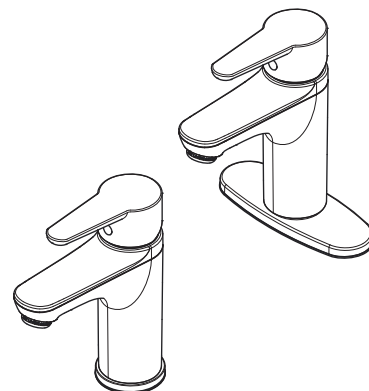
Countertop 864mm (34") from finished floor. Lavatory installed 51mm (2") from front edge of countertop. Countertop thickness to be 25mm (1") maximum.





# Pfister

## Pfirst Series™ Single Control Lavatory Faucet

LG142-0600 Finish(C) ☐LG142-060K Finish(K) ☒

- 1 or 3-Hole Installation
- Pforever Seal
- Push & Seal™ Pop-Up

## Specifications

### Features

- 1.2 GPM Flow Rate
- 1 or 3-Hole Installation;  
Deck Plate or Single Hole  
Mounting Option
- Push & Seal™ Pop-Up,  
also Drilled for Pop-Up
- Pforever Seal Ceramic  
Disc Valve
- Pforever Warranty®

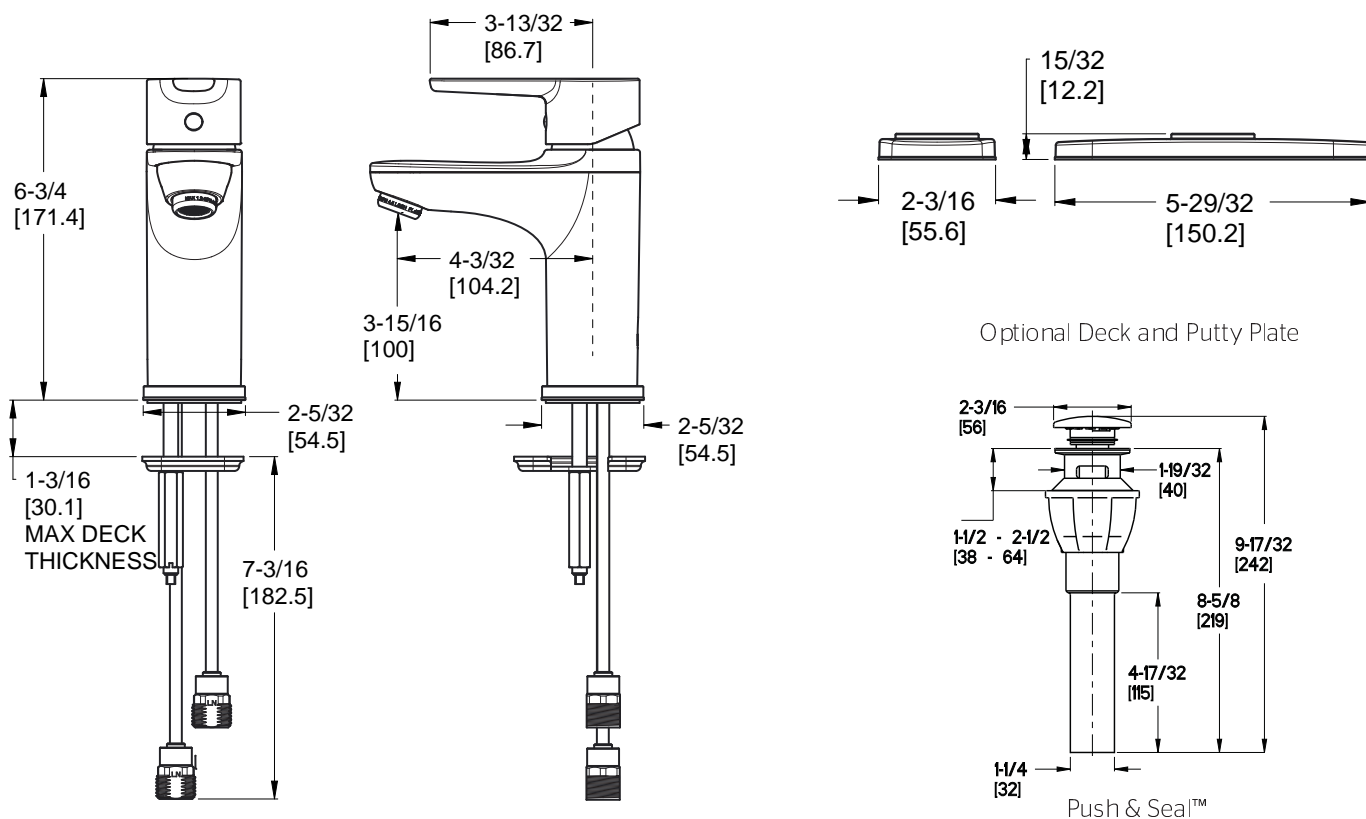
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- Cal Green Compliant
- CEC Compliant
- NSF 61/9 Annex G (Low lead)
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



Ø1 Min to Ø1-1/2 Max. Deck Hole Openings



## PF200 Series

# Trap Covers



### Product Features

- ADA & UFAS Compliant
- No tools required contractor friendly Tear-To-Fit feature makes trimming fast
- Universal design fits virtually all lavatory applications
- Smooth, flush SnapClip™ fasteners firmly secure piping covers in place and are nonabrasive and reusable
- Antimicrobial vinyl maintain sanitary conditions
- Lock Lid™ on valve stops tampering and allows service
- Cleanout nut cap allows service on trap without disassembly
- Internal ribs enhance K valve and soften impact cushioning
- Fire retardant

### Model Numbers

PF200WH	✓ PF202WH	PF205WH	PFEXT200WH
PF201WH	PF203WH	PF299WH	

Material	Soft, resilient molded vinyl
Nominal Wall	1/8" constant with internal ribs
Durometer	70-80 – Shore A
UV Protection	Will not fade or discolor
Durability	Virtually indestructible
Trimming	E-Z Tear-To-Fit trim feature (no tools needed)
Fasteners	Internal E-Z Grip fasteners, reusable
Color	China white
Compatibility	Fits all 1-1/4" or 1-1/2" cast brass or tubular P-trap assemblies and 3/8" or 1/2" angle stop assemblies
Paintability	Apply latex paint
Burning Characteristics ASTM D-635	Self extinguished 0 sec (ATB) mm (AEB)
Bacterial/Fungus Resistance	ASTM G21 and G22 – Result: 0 growth
Maintenance	Wipe clean using common detergents

New E-Z Tear-To-Fit feature and E-Z Grip built-in fasteners make installation fast and easy!

1. Tear-To-Fit on internal, dimensioned tear lines for quick, clean, accurate trimming to fit virtually any piping configuration. Covers flex to install over pipes.
2. Press seams together at finger recesses to engage E-Z Grip internal fasteners for a secure, safe, tamper-resistant installation. To remove cover, firmly pull seam apart using a strong grip. To reinstall, press seams back together.

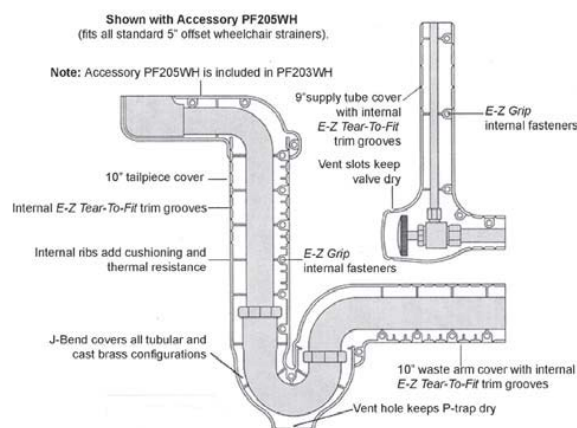
### Warranty and Codes

This PROFLO product carries a 1-year limited warranty. This product meets ADA article 4.19.4; CABO/ANSI 4.20.4; UFAS 4.19.4; California Title 24; UPC/IAPMO ICC; Canada Barrier-Free Code. Made in USA.



### Product Specifications

#### PF201WH



PF200WH	one P-trap cover
PF201WH	one P-trap cover, one angle valve and supply cover
PF202WH	one P-trap cover, two angle valves and supply covers
PF203WH	one P-trap cover, two angle valves and supply covers, one 5" offset tailpiece wheelchair strainer cover
PF299WH	one angle valve and supply cover
<b>ACCESSORIES</b>	
PF205WH	one 5" offset tailpiece wheelchair strainer assembly
<b>EXTENSIONS</b>	
PFEXT200WH	one 16" extension for drain waste or tailpiece







To Whom It May Concern:

This letter is to confirm that Dymotek Corporation manufactures the Proflo Trap Covers for Ferguson Enterprises and the Truebro Lav Guard for IPS Corporation.

The products distributed under the Proflo Trap Cover label are identical in every way to the Truebro Lav Guard 2 product line. Any specification for Truebro Lav Guard 2 can be substituted with the Proflo Trap Covers as an exact equal.

Please call if you have any questions.

Regards,

Thomas W. Trueb  
Vice President





A0355012020	AMERICAN	<u>L3H:</u>
	STANDARD	21 X 18 4 VITREOUS CHINA LAVATORY WHITE LUCERN WHITE
PLG142060K	PFISTER	
PF202WH	PROFLO	SINGLE CONTROL LAVATORY FAUCET, PUSH & SEAL POP UP COVER FOR TRAP / HOT & COLD STOP & SUPPLY




**LUCERNE™ WALL-HUNG LAVATORY**

- Wall-hung sink
- Vitreous china
- Front overflow
- D-shaped bowl
- Self-draining deck area with contoured back and side splash shields
- Faucet ledge
- Compliant with Texas accessibility standard (TAS) for children age group 13 and up

**Faucet holes on 203mm (8") centers (Illus.):**

- ☐ **0356.028** For exposed bracket support  
Shown with 4801.862 Amarilis Heritage faucet with Triune Cross handles (not included)
- ☐ **0356.015** For wall hanger (included) or concealed arms support
- ☐ **0356.915** For wall hanger (included) or concealed arms support
  - Less overflow

**Faucet holes on 102mm (4") centers:**

- ☒ **0355.027** For exposed bracket support
- ☒ **0355.012** For wall hanger (included) or concealed arms support
- ☐ **0355.912** For wall hanger (included) or concealed arms support
  - Less overflow

**Single center faucet hole (Illus.):**

- ☐ **0356.041** For exposed bracket support  
Shown with 1340.000 metering faucet (not included)
- ☐ **0356.421** For wall hanger (included) or concealed arms support
- ☐ **0356.921** For wall hanger (included) or concealed arms support
  - Less overflow
- ☐ **0356.439** For wall hanger (included) or concealed arms support
  - Single faucet hole on right
- ☐ **0356.066** For exposed bracket support
  - Single faucet hole on right

**Nominal Dimensions:**

521 x 464mm  
(20-1/2" x 18-1/4")

**Bowl sizes:**

381mm (15") wide  
254mm (10") front to back  
165mm (6-1/2") deep

**Compliance Certifications -**
**Meets or Exceeds the Following Specifications:**

- ASME A112.19.2 / CSA B45.1 for Vitreous China Fixtures


**0356.028**

**0356.041**

SEE FOLLOWING PAGES FOR ROUGHING-IN DIMENSIONS

**To Be Specified:**

- ☒ Color: ☒ White
- ☐ Faucet\*:
- ☐ Faucet Finish:
- ☐ Supplies:
- ☐ 1-1/4" Trap:
- ☐ Nipple:
- ☐ Bracket Support (by others):
- ☐ Concealed Arms Support (by others):

\* See faucet section for additional models available


**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDE-  
LINES AND ANSI A117.1 ACCESSIBLE AND USABLE  
BUILDINGS AND FACILITIES - CHECK LOCAL CODES.**

Top of front rim mounted 864mm (34") from finished floor.

M37

© 2016 AS America Inc.

spec\_0355-0356 Lucerne WallHung Lavs Rev. A 8/16

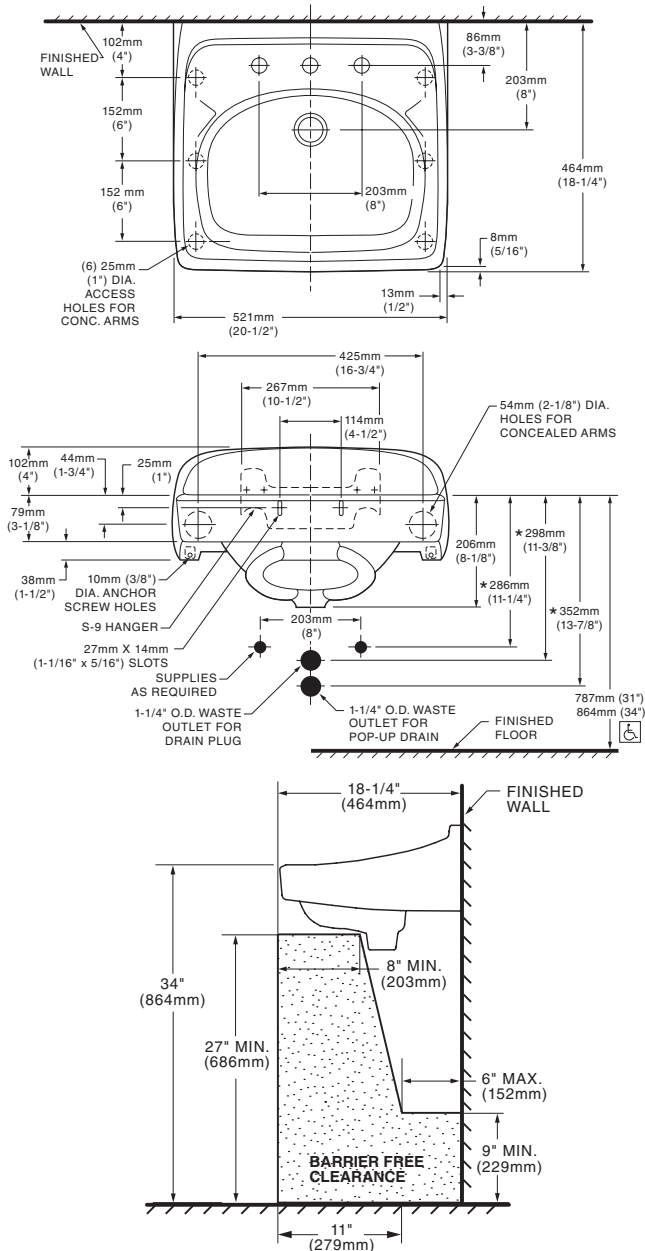


*American  
Standard*

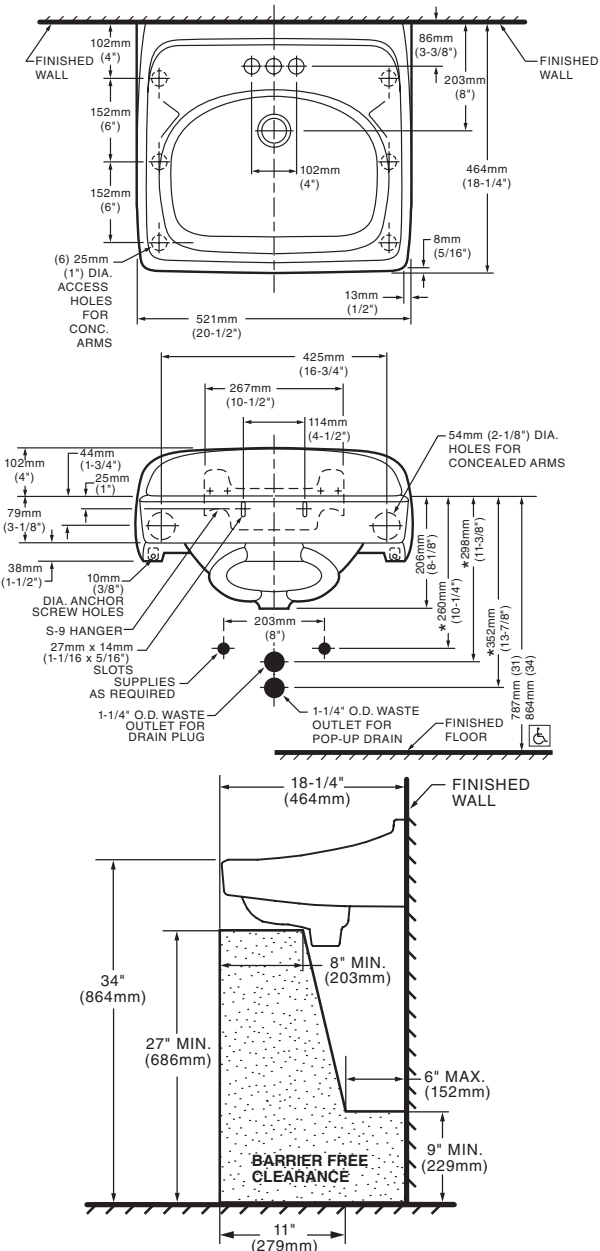
# LUCERNE™ WALL-HUNG LAVATORY VITREOUS CHINA



- 0356.028** 8" CTRS FOR EXPOSED BRACKET SUPPORT  
**0356.015** 8" CTRS FOR WALL HANGER  
 OR CONCEALED ARMS  
**0356.915** LESS OVERFLOW



- 0355.027** 4" CTRS FOR EXPOSED BRACKET SUPPORT  
**0355.012** 4" CTRS FOR WALL HANGER OR  
 CONCEALED ARMS  
**0355.912** LESS OVERFLOW



## NOTES:

\* DIMENSIONS SHOWN FOR LOCATION OF SUPPLIES AND "P" TRAP ARE SUGGESTED.  
 PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.  
 FITTINGS NOT INCLUDED AND MUST BE ORDERED SEPARATELY.  
 CONCEALED ARM SUPPORT AS REQUIRED TO BE FURNISHED BY OTHERS.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.



**LAVATORY DESIGNED TO MEET ADA HANDICAPPED GUIDELINES WITH MOUNTING HEIGHT SET AT 864MM (34") ABOVE FINISHED FLOOR.**



*American  
Standard*

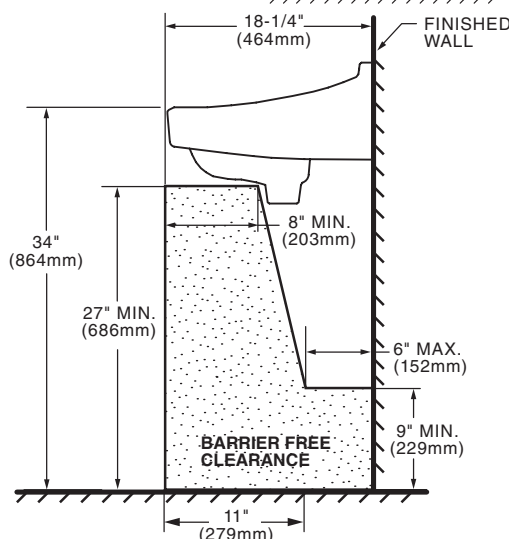
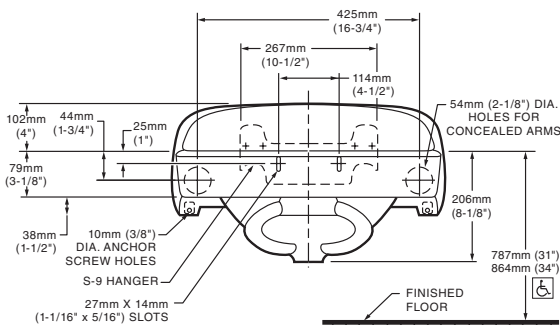
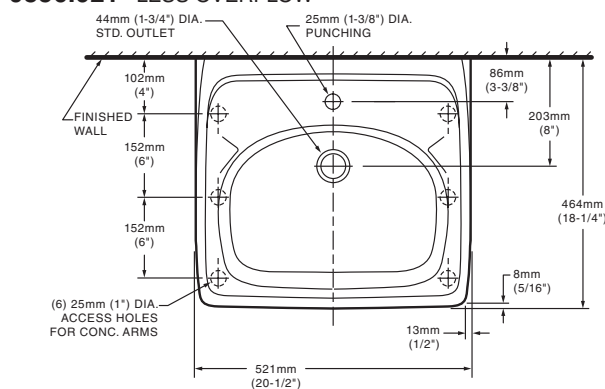
# LUCERNE™ WALL-HUNG LAVATORY VITREOUS CHINA

 BARRIER FREE

**0356.041** SINGLE CENTER HOLE FOR EXPOSED  
BRACKET SUPPORT

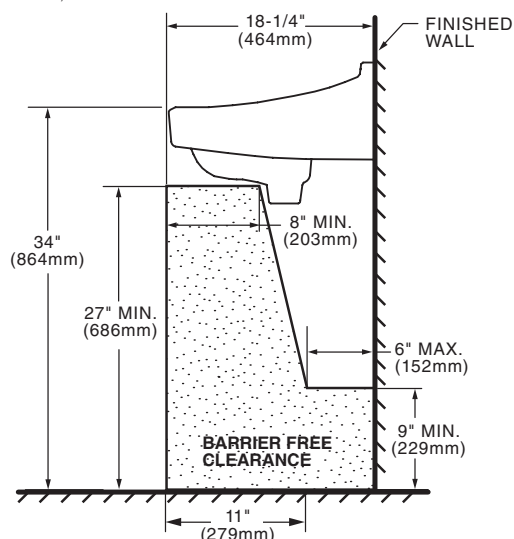
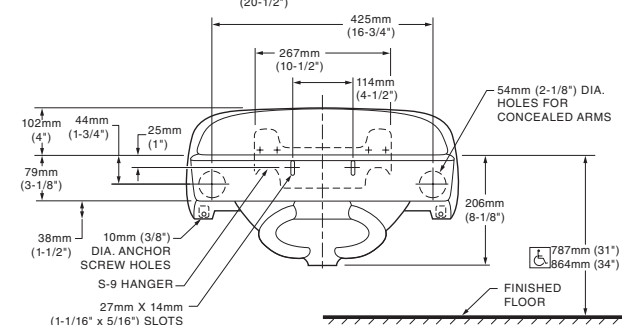
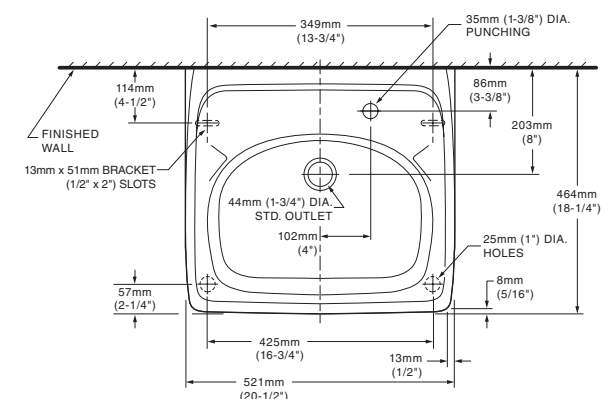
**0356.421** SINGLE CENTER HOLE FOR WALL  
HANGER OR CONCEALED ARMS

**0356.921** LESS OVERFLOW



**0356.439** SINGLE CENTER HOLE ON RIGHT FOR WALL  
HANGER OR CONCEALED ARMS

**0356.066** SINGLE CENTER HOLE ON RIGHT FOR  
EXPOSED BRACKET SUPPORT



## NOTES:

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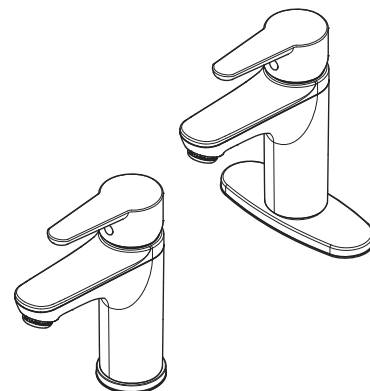


LAVATORY DESIGNED TO MEET ADA HANDICAPPED GUIDELINES WITH MOUNTING HEIGHT SET AT 864MM (34") ABOVE FINISHED FLOOR.



# Pfister

## Pfirst Series™ Single Control Lavatory Faucet

LG142-0600 Finish(C) ☐LG142-060K Finish(K) ☒

- 1 or 3-Hole Installation
- Pforever Seal
- Push & Seal™ Pop-Up

## Specifications

### Features

- 1.2 GPM Flow Rate
- 1 or 3-Hole Installation;  
Deck Plate or Single Hole  
Mounting Option
- Push & Seal™ Pop-Up,  
also Drilled for Pop-Up
- Pforever Seal Ceramic  
Disc Valve
- Pforever Warranty®

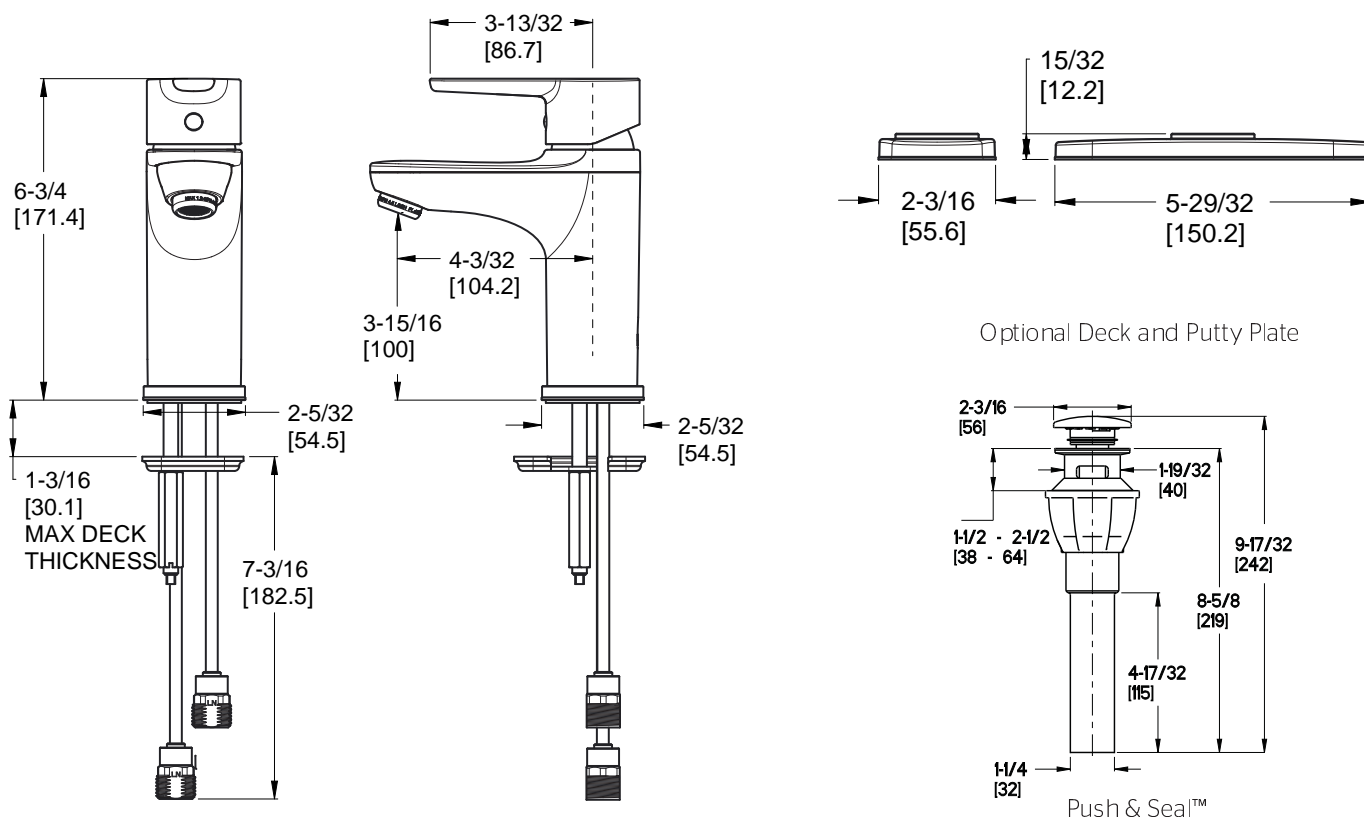
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- Cal Green Compliant
- CEC Compliant
- NSF 61/9 Annex G (Low lead)
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



Ø1 Min to Ø1-1/2 Max. Deck Hole Openings



## PF200 Series

# Trap Covers



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PF201WH	PF203WH	PF299WH	

Material	Soft, resilient molded vinyl
Nominal Wall	1/8" constant with internal ribs
Durometer	70-80 – Shore A
UV Protection	Will not fade or discolor
Durability	Virtually indestructible
Trimming	E-Z Tear-To-Fit trim feature (no tools needed)
Fasteners	Internal E-Z Grip fasteners, reusable
Color	China white
Compatibility	Fits all 1-1/4" or 1-1/2" cast brass or tubular P-trap assemblies and 3/8" or 1/2" angle stop assemblies
Paintability	Apply latex paint
Burning Characteristics ASTM D-635	Self extinguished 0 sec (ATB) mm (AEB)
Bacterial/Fungus Resistance	ASTM G21 and G22 – Result: 0 growth
Maintenance	Wipe clean using common detergents

New E-Z Tear-To-Fit feature and E-Z Grip built-in fasteners make installation fast and easy!

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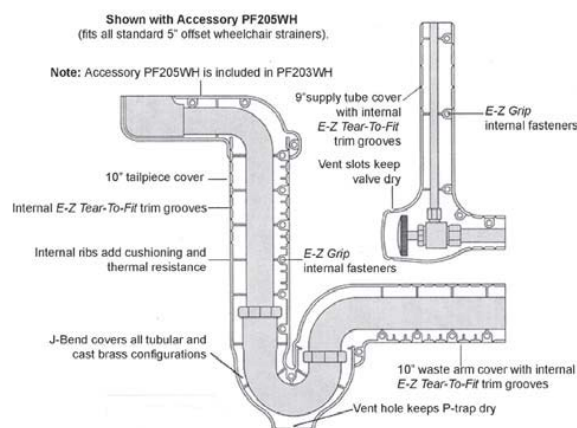
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Regards,

Thomas W. Trueb  
Vice President





F3660FLHWH  
SYM9605PLR

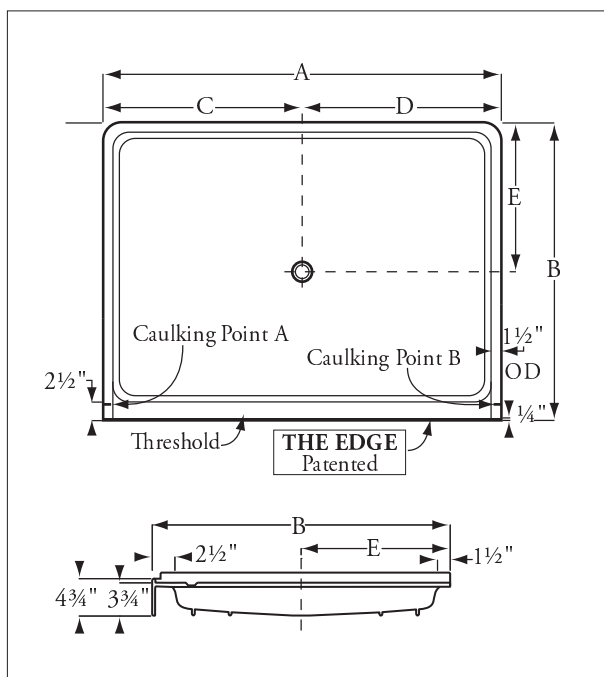
FLORESTONE  
SYMMONS

SH2H:  
36X60 SHOWER BASE  
2.5 GPM ORIGIN SHOWER/HAND SHOWER





One piece, single threshold model for recessed installation. Features 1" flange on three remaining sides. Center drain.



Model	A	B	C	D	E	WT.
3636F	36"	36"	18"	18"	18"	38
3642F	42"	36"	21"	21"	18"	45
4242F	42"	42"	21"	21"	21"	50
3448F	48"	34"	24"	24"	17"	44
3648F	48"	36"	24"	24"	18"	36
4248F	48"	42"	24"	24"	21"	47
4848F	48"	48"	24"	24"	24"	50
3460F	60"	34"	30"	30"	17"	50
3660F	60"	36"	30"	30"	18"	50
4260F	60"	42"	30"	30"	21"	60

**Standards:**

I.A.P.M.O.	International Association of Plumbing and Mechanical Officials File No. 0687.
ANSI	American National Standards Institute - Specifications Z-124.2.
HUD/FHA	National Specifications UN-73.



## Floestone Molded Fiberglass Shower Receptors with THE EDGE

### Architect's Specifications

Furnish and install molded fiberglass one piece shower unit manufactured by Floestone Products Company. Unit to be manufactured of gel-coated fiberglass meeting Class C Flame Retardance and to be supplied with slip-resistant floor laminated for extra rigidity. Color will be white (unless otherwise specified). Unit to be supplied with a 2" PNC non-caulk drain.

Standard Color: White

Optional Colors

Color matching most major manufacturers' colors are available.

### Colors

Standard: White, Bone

Special: Granite (see pg. 12)

**Dimensions may vary  $\pm 1/4$ " inch.**

**Please check unit before installation.**

**Place receptor on a bed of mortar or plaster for warranty compliance.**

**Dimensions subject to  
change without notice.**

**Contact Floestone Products to  
verify product specifications.**

 **FLOESTONE**  
*A Spec Above.™*

**FLOESTONE PRODUCTS CO., INC.**

2851 Falcon Drive • Madera, CA 93637

T. 559.661.4171 • T. 800.446.8827

F. 559.661.2070 • floestone.com









Location: 

Origins™

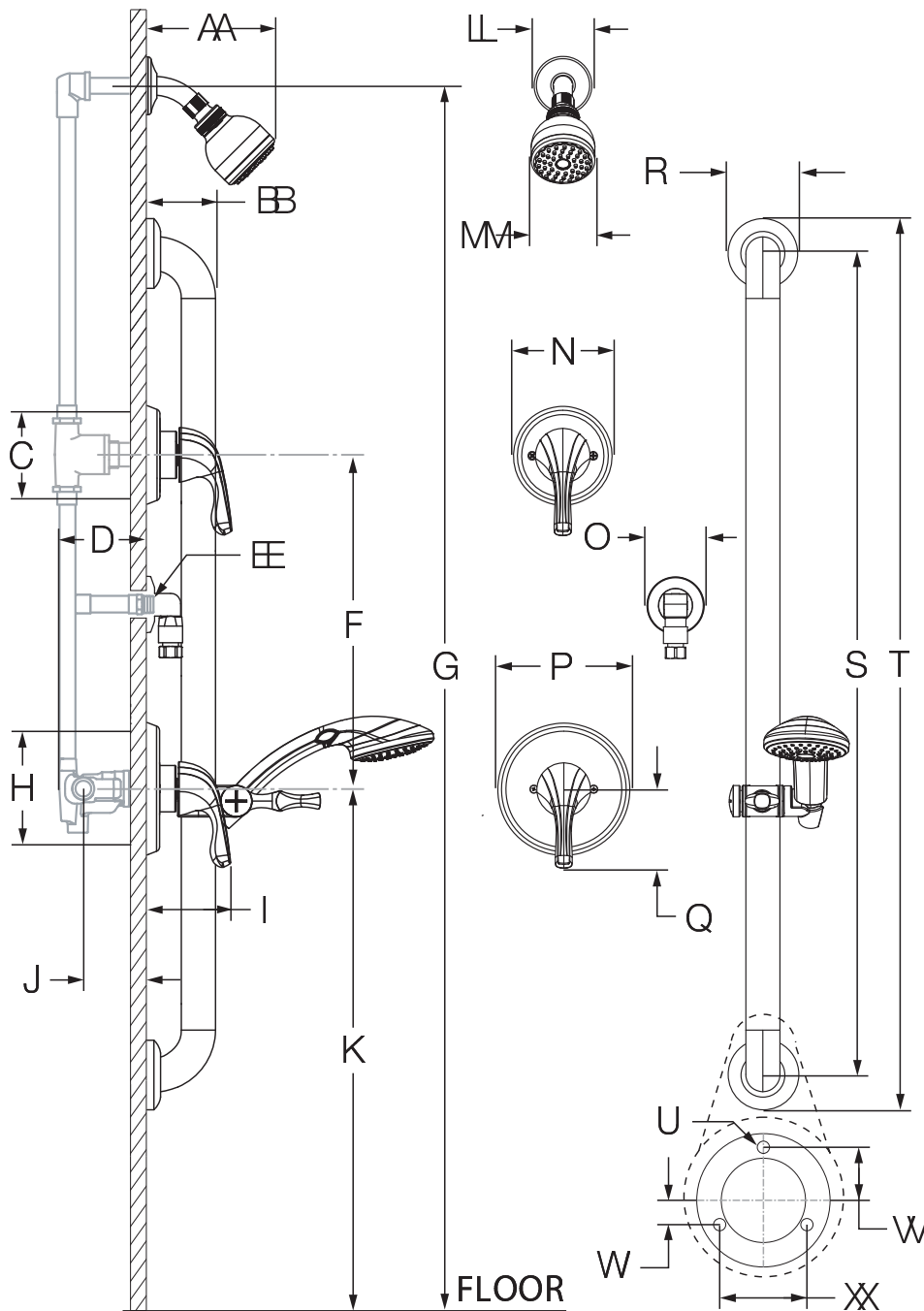
9605-PLR  
Shower/Hand Shower System  
**Specification Submittal**



Model Numbers	Specification
<input checked="" type="checkbox"/> <b>9605-PLR</b> <i>Origins Shower/Hand Shower System</i>	<p>Shower/hand shower system powered by the Temptrol® Pressure Balancing valve. Features 36" slide bar, separate two function diverter, in-line vacuum breaker, 60" flexible metal hose, ADA hand shower, 1 mode showerhead with easy to clean rubber nozzles and standard 2.5 gpm (9.5 L/min) flow restrictors. Components made from metal and nonmetallic materials plated in standard polished chrome finish.</p>
Modifications	
<p><input type="checkbox"/> <b>-1.5</b>  1.5 gpm (5.7 L/min) flow restrictor</p> <p><input type="checkbox"/> <b>-2.0</b>  2.0 gpm (7.6 L/min) flow restrictor</p> <p><input type="checkbox"/> <b>-231</b> Super showerhead in place of Clear-Flo</p> <p><input type="checkbox"/> <b>-295</b> Institutional showerhead in place of Clear-Flo</p> <p><input type="checkbox"/> <b>-X</b> Integral service stops</p> <p><input type="checkbox"/> <b>-CHKS</b> Integral check stops</p> <p><input type="checkbox"/> <b>-IPS</b> 1/2" female IPS connections</p> <p><input type="checkbox"/> <b>-REV</b> Reverse coring for back to back installations</p> <p><input type="checkbox"/> <b>-LP</b> Loop handle</p> <p><input type="checkbox"/> <b>-B</b> Chrome brass escutcheon</p> <p><input type="checkbox"/> <b>-D</b> Chrome brass dome cover</p> <p><input type="checkbox"/> <b>-VP</b> Vandal proof escutcheon screws</p> <p><input type="checkbox"/> <b>-QD</b> Quick disconnect on hand shower units</p> <p><input type="checkbox"/> <b>-R</b> White vinyl hose in place of metal hose</p> <p><input type="checkbox"/> <b>-VB</b> Elevated vacuum breaker</p> <p><input type="checkbox"/> <b>-OP</b> 13" oval plate</p> <p><input type="checkbox"/> <b>-L/HD</b> Less showerhead</p> <p><input type="checkbox"/> <b>-72</b> 6' hose in place of 5' standard</p> <p><input type="checkbox"/> <b>-TRM</b> Trim only, valve not included</p> <p><input type="checkbox"/> <b>-STN</b> Satin Nickel finish</p>	<p> </p> <p><b>Compliance</b></p> <p>-ASME A112.18.1/CSA B125.1 -WaterSense 1.5 gpm (5.7 L/min) 2.0 gpm (7.6 L/min) (Compliance pending)</p> <p> </p> <p><b>Warranty</b></p> <p><b>Limited Lifetime</b> - to the original end purchaser in consumer/residential installations. <b>5 Years</b> - for industrial/commercial installations. Refer to <a href="http://www.symmons.com/warranty">www.symmons.com/warranty</a> for complete warranty information.</p>
<p><b>Note:</b> Append appropriate -suffix to model number.</p>	



## Dimensions



Measurements	
A	6 3/8", 162 mm
B	3", 76 mm
C	Diverter Valve Hole Size Min. Ø 3", 76 mm Max. Ø 3 1/4", 83 mm
D	3 1/2", 89 mm
E	Male 1/2" NPT fitting must protrude 3/8" from finished wall
F	Ref. 10", 254 mm
G	Ref. 77", 1956 mm
H	Shower Valve Hole Size Min. Ø 3", 76 mm Max. Ø 4", 102 mm
I	3 5/8", 92 mm
J	Rough-in 2 3/8" ± 1/2", 60 mm ± 13 mm
K	Ref. 42", 1067 mm
L	Ø 2 1/2", 64 mm
M	Ø 2 3/4", 70 mm
N	Ø 4 1/4", 108 mm
O	Ø 2 1/2", 64 mm
P	Ø 5 3/4", 146 mm
Q	3 3/8", 86 mm
R	Ø 3 1/8", 79 mm
S	36", 914 mm
T	39", 991 mm
U	(6x) Hole Size Ø 5/16", 8 mm
V	1", 25 mm
W	1/2", 13 mm
X	1", 25 mm

### Notes:

- 1) All dimensions measured from nominal rough-in (see J as reference).
- 2) Dimensions subject to change without notice.





JUS1821A  
PLG529SAS  
PF202WH

JUST  
PFISTER  
PROFLO

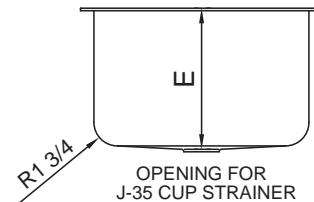
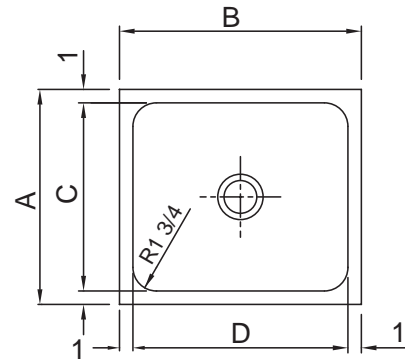
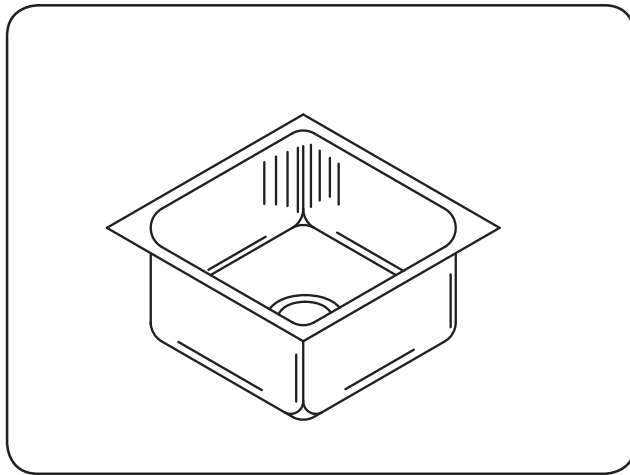
**S1:**  
18X21 0H 1B UC SINK SS  
SINGLE HANDLE PULL-DOWN FAUCET  
COVER FOR TRAP / HOT & COLD STOP & SUPPLY





## US - SERIES - A - 18 GA.

**UNDERMOUNT GROUP**  
 SINGLE COMPARTMENT

**SUBMITTAL DATA**
**SPECIFICATION**

Seamless die-drawn construction of type 304, 18-8 stainless steel. Interior and top surfaces polished to a non-porous Hand-Blended Just Finish with highlighted bowl rim. Fully coated underside insulates for sound, and absorbs condensation. Conforms to ASME/ANSI A112.19.3M. Furnished with undermount clips less fasteners. Drain punch #35 centered for Just J-35 unless otherwise specified.

MODEL NO.	A	B	C	D	E
US-1114-A	11	14	9	12	6
US-1212-A	12	12	10	10	7-1/2
US-13518-A	13-1/2	18	11-1/2	16	7-1/2
US-1414-A	14	14	12	12	7-1/2
US-1616-A	16	16	14	14	7-1/2
US-1618-A	16	18	14	16	7-1/2
US-1620-A	16	20	14	18	7-1/2
US-1818-A	18	18	16	16	7-1/2
<b>US-1821-A</b>	<b>18</b>	<b>21</b>	<b>16</b>	<b>19</b>	<b>7-1/2</b>
US-1824-A	18	24	16	22	7-1/2
US-1830-A	18	30	16	28	7-1/2

APPROVED FOR MANUFACTURING

MODEL NO.: \_\_\_\_\_ QTY: \_\_\_\_\_

JOB NAME: \_\_\_\_\_

TAG/ITEM: \_\_\_\_\_

CUSTOMER: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_



MADE IN U.S.A

JUST MFG. COMPANY CONTINUES TO MAKE QUALITY AND FUNCTIONALITY A MARK OF THE JUST PRODUCT LINE. TO DO SO REQUIRES THAT WE RESERVE THE RIGHT TO CHANGE PRODUCT INFORMATION WITHOUT NOTICE. DIMENSIONS MAY VARY AND ARE SUBJECT TO CHANGE WITHOUT NOTICE. NO RESPONSIBILITY IS ASSUMED FOR USE OF SUPERCEDED OR VOIDED DATA. FOR THE MOST CURRENT AND ACCURATE INFORMATION REGARDING THE COMPLETE LINE OF JUST SINKS, FAUCETS AND DRAINS, CLICK ON THE **SPEC LINE DRAWINGS** LINK ON OUR WEB SITE AT [www.justmfg.com](http://www.justmfg.com)

JUST MANUFACTURING COMPANY

9233 KING STREET . FRANKLIN PARK . ILLINOIS . 60131-2111

PH: 847-678-5150

FAX: 847-678-6817

E-MAIL: [custserv@justmfg.com](mailto:custserv@justmfg.com)[www.justmfg.com](http://www.justmfg.com)



# Pfister

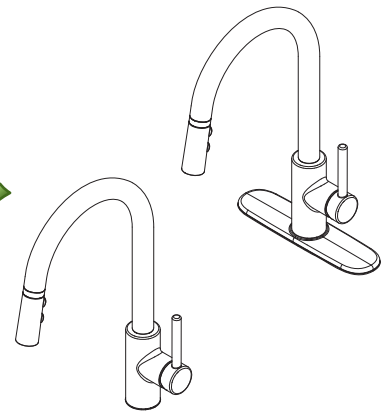
## Stellen™

### Pull Down Kitchen Faucet

LG529-SAB Finish(B) ☐

LG529-SAC Finish(C) ☐

LG529-SAS Finish(S) ☒



## Specifications

### Features

- 1.8 GPM Flow Rate
- 3 Function Pull-Down Sprayer
- 1 or 3-Hole Installation; Deck Plate or Single Hole Mounting Option
- AccuDock™ Sprayhead Docking
- Pforever Seal Ceramic Disc Valves
- Pforever Warranty®

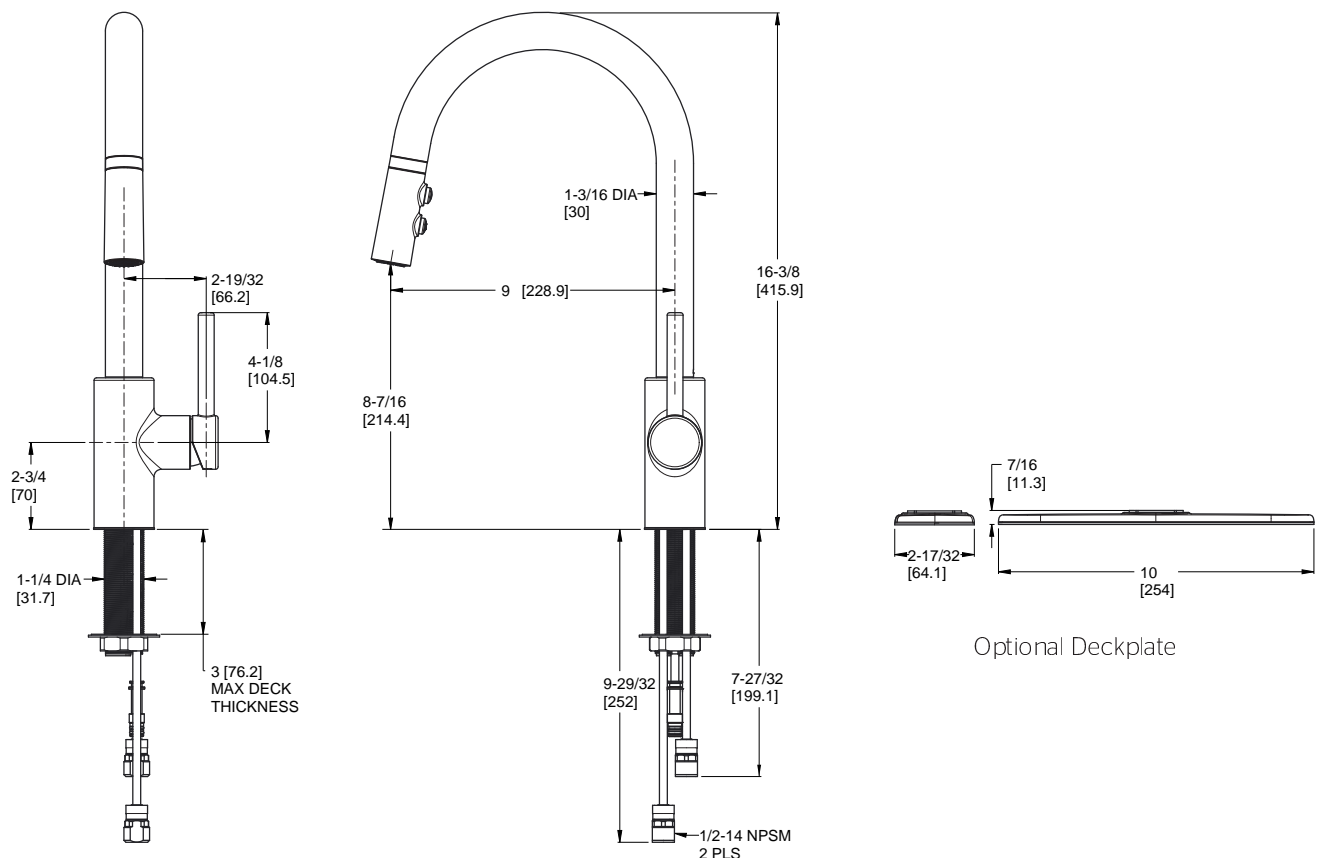
### Code Compliance

Pfister products are designed and manufactured in compliance with the following standards and codes:

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- CEC Compliant
- Cal Green Compliant
- NSF 61/9 Annex G (Low lead)
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



Ø1-3/8 Min to Ø1-1/2 Max. Deck Hole Openings



## PF200 Series

# Trap Covers



### Product Features

- ADA & UFAS Compliant
- No tools required contractor friendly Tear-To-Fit feature makes trimming fast
- Universal design fits virtually all lavatory applications
- Smooth, flush SnapClip™ fasteners firmly secure piping covers in place and are nonabrasive and reusable
- Antimicrobial vinyl maintain sanitary conditions
- Lock Lid™ on valve stops tampering and allows service
- Cleanout nut cap allows service on trap without disassembly
- Internal ribs enhance K valve and soften impact cushioning
- Fire retardant

### Model Numbers

PF200WH	✓ PF202WH	PF205WH	PFEXT200WH
PF201WH	PF203WH	PF299WH	

Material	Soft, resilient molded vinyl
Nominal Wall	1/8" constant with internal ribs
Durometer	70-80 – Shore A
UV Protection	Will not fade or discolor
Durability	Virtually indestructible
Trimming	E-Z Tear-To-Fit trim feature (no tools needed)
Fasteners	Internal E-Z Grip fasteners, reusable
Color	China white
Compatibility	Fits all 1-1/4" or 1-1/2" cast brass or tubular P-trap assemblies and 3/8" or 1/2" angle stop assemblies
Paintability	Apply latex paint
Burning Characteristics ASTM D-635	Self extinguished 0 sec (ATB) mm (AEB)
Bacterial/Fungus Resistance	ASTM G21 and G22 – Result: 0 growth
Maintenance	Wipe clean using common detergents

New E-Z Tear-To-Fit feature and E-Z Grip built-in fasteners make installation fast and easy!

1. Tear-To-Fit on internal, dimensioned tear lines for quick, clean, accurate trimming to fit virtually any piping configuration. Covers flex to install over pipes.
2. Press seams together at finger recesses to engage E-Z Grip internal fasteners for a secure, safe, tamper-resistant installation. To remove cover, firmly pull seam apart using a strong grip. To reinstall, press seams back together.

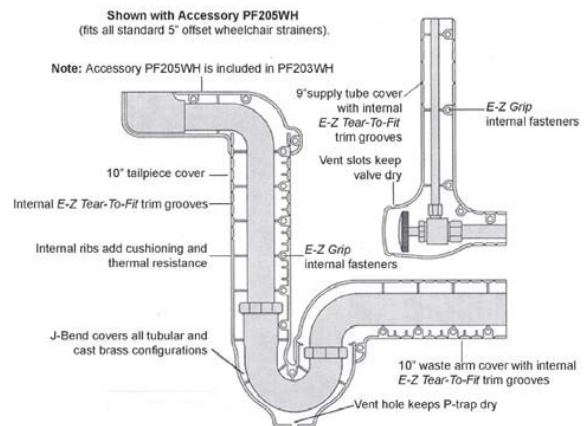
### Warranty and Codes

This PROFLO product carries a 1-year limited warranty. This product meets ADA article 4.19.4; CABO/ANSI 4.20.4; UFAS 4.19.4; California Title 24; UPC/IAPMO ICC; Canada Barrier-Free Code. Made in USA.



### Product Specifications

#### PF201WH



PF200WH	one P-trap cover
PF201WH	one P-trap cover, one angle valve and supply cover
PF202WH	one P-trap cover, two angle valves and supply covers
PF203WH	one P-trap cover, two angle valves and supply covers, one 5" offset tailpiece wheelchair strainer cover
PF299WH	one angle valve and supply cover
<b>ACCESSORIES</b>	
PF205WH	one 5" offset tailpiece wheelchair strainer assembly
<b>EXTENSIONS</b>	
PFEXT200WH	one 16" extension for drain waste or tailpiece







To Whom It May Concern:

This letter is to confirm that Dymotek Corporation manufactures the Proflo Trap Covers for Ferguson Enterprises and the Truebro Lav Guard for IPS Corporation.

The products distributed under the Proflo Trap Cover label are identical in every way to the Truebro Lav Guard 2 product line. Any specification for Truebro Lav Guard 2 can be substituted with the Proflo Trap Covers as an exact equal.

Please call if you have any questions.

Regards,

Thomas W. Trueb  
Vice President





JUS1821A  
PLG529SAS  
PF202WH

JUST  
PFISTER  
PROFLO

**S2H:**

18X21 0H 1B UC SINK SS  
SINGLE HANDLE PULL-DOWN FAUCET  
COVER FOR TRAP / HOT & COLD STOP & SUPPLY

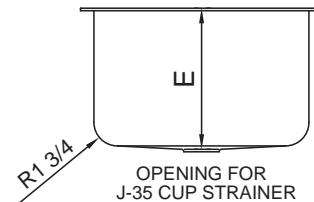
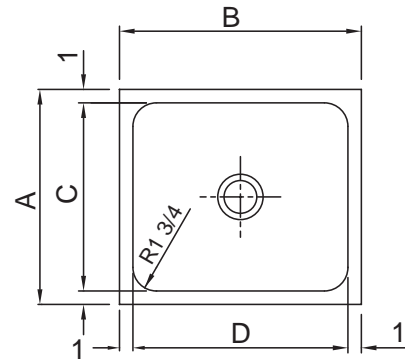
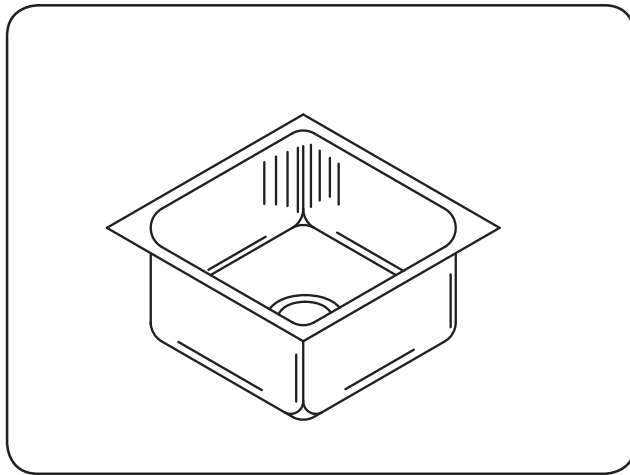




# US - SERIES - A - 18 GA.


## UNDERMOUNT GROUP SINGLE COMPARTMENT

SUBMITTAL DATA



### SPECIFICATION

Seamless die-drawn construction of type 304, 18-8 stainless steel. Interior and top surfaces polished to a non-porous Hand-Blended Just Finish with highlighted bowl rim. Fully coated underside insulates for sound, and absorbs condensation. Conforms to ASME/ANSI A112.19.3M. Furnished with undermount clips less fasteners. Drain punch #35 centered for Just J-35 unless otherwise specified.

MODEL NO.	A	B	C	D	E
US-1114-A	11	14	9	12	6
US-1212-A	12	12	10	10	7-1/2
US-13518-A	13-1/2	18	11-1/2	16	7-1/2
US-1414-A	14	14	12	12	7-1/2
US-1616-A	16	16	14	14	7-1/2
US-1618-A	16	18	14	16	7-1/2
US-1620-A	16	20	14	18	7-1/2
US-1818-A	18	18	16	16	7-1/2
 <b>US-1821-A</b>	<b>18</b>	<b>21</b>	<b>16</b>	<b>19</b>	<b>7-1/2</b>
US-1824-A	18	24	16	22	7-1/2
US-1830-A	18	30	16	28	7-1/2

APPROVED FOR MANUFACTURING

MODEL NO.: \_\_\_\_\_ QTY: \_\_\_\_\_

JOB NAME: \_\_\_\_\_

TAG/ITEM: \_\_\_\_\_

CUSTOMER: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_



MADE IN U.S.A

JUST MFG. COMPANY CONTINUES TO MAKE QUALITY AND FUNCTIONALITY A MARK OF THE JUST PRODUCT LINE. TO DO SO REQUIRES THAT WE RESERVE THE RIGHT TO CHANGE PRODUCT INFORMATION WITHOUT NOTICE. DIMENSIONS MAY VARY AND ARE SUBJECT TO CHANGE WITHOUT NOTICE. NO RESPONSIBILITY IS ASSUMED FOR USE OF SUPERCEDED OR VOIDED DATA. FOR THE MOST CURRENT AND ACCURATE INFORMATION REGARDING THE COMPLETE LINE OF JUST SINKS, FAUCETS AND DRAINS, CLICK ON THE **SPEC LINE DRAWINGS** LINK ON OUR WEB SITE AT [www.justmfg.com](http://www.justmfg.com)

JUST MANUFACTURING COMPANY

9233 KING STREET . FRANKLIN PARK . ILLINOIS . 60131-2111

PH: 847-678-5150

FAX: 847-678-6817

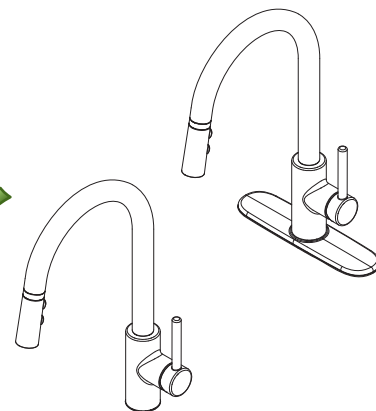
E-MAIL: [custserv@justmfg.com](mailto:custserv@justmfg.com)

[www.justmfg.com](http://www.justmfg.com)



# Pfister

## Stellen™ Pull Down Kitchen Faucet

LG529-SAB Finish(B) ☐LG529-SAC Finish(C) ☐LG529-SAS Finish(S) ☒

## Specifications

### Features

- 1.8 GPM Flow Rate
- 3 Function Pull-Down Sprayer
- 1 or 3-Hole Installation; Deck Plate or Single Hole Mounting Option
- AccuDock™ Sprayhead Docking
- Pforever Seal Ceramic Disc Valves
- Pforever Warranty®

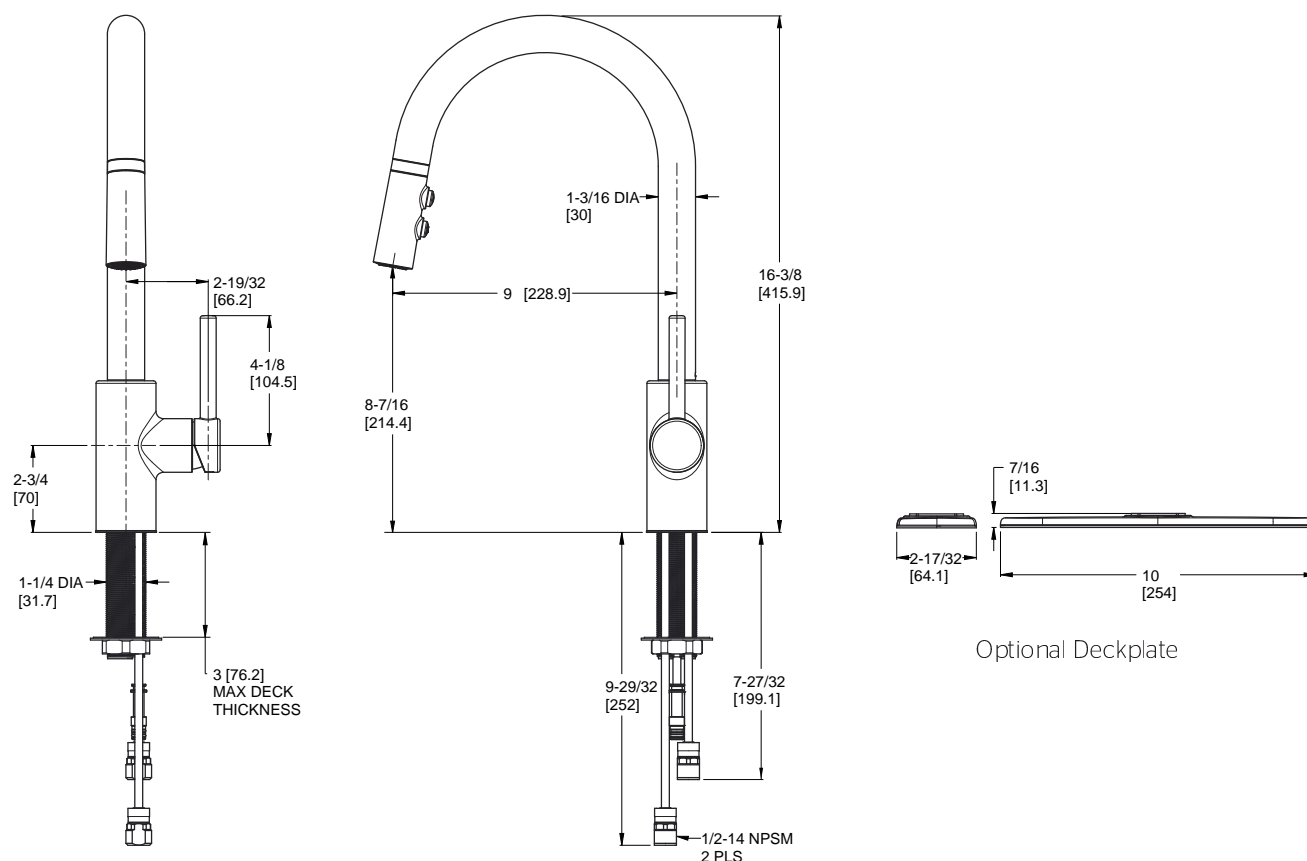
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- Cleanout nut cap allows service on trap without disassembly
- Internal ribs enhance K valve and soften impact cushioning
- Fire retardant

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PF201WH	PF203WH	PF299WH	

Material	Soft, resilient molded vinyl
Nominal Wall	1/8" constant with internal ribs
Durometer	70-80 – Shore A
UV Protection	Will not fade or discolor
Durability	Virtually indestructible
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Fasteners	Internal E-Z Grip fasteners, reusable
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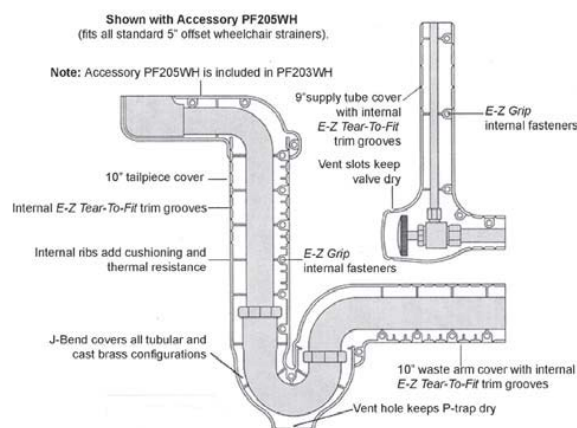
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Please call if you have any questions.

Regards,

Thomas W. Trueb  
Vice President





**JS:**

SSB850	STERN WILLIAMS	24 X 24 X 12 TILING FLANGE *Z
C540LD897SWXFAB	CHICAGO	LEAD LAW COMPLIANT HOT & COLD LEVER HANDLE SERVICE SINK
CP		FAUCET




**STERN-WILLIAMS CO., Inc.**

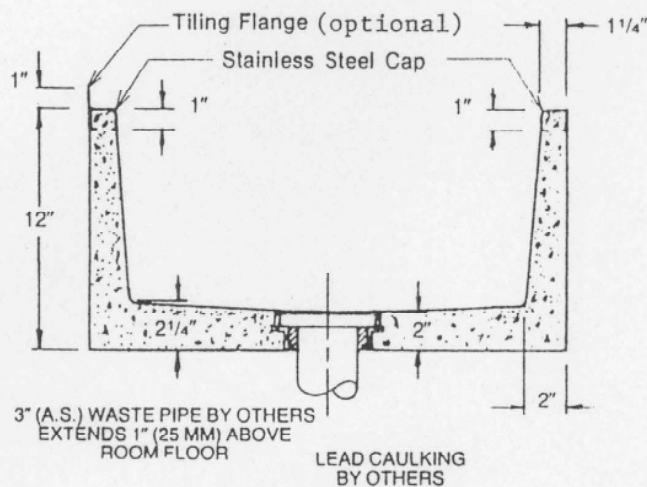
P.O. BOX 8004 • SHAWNEE MISSION, KANSAS 66208  
913-362-5635 FAX 913-362-6689

PROJECT: \_\_\_\_\_

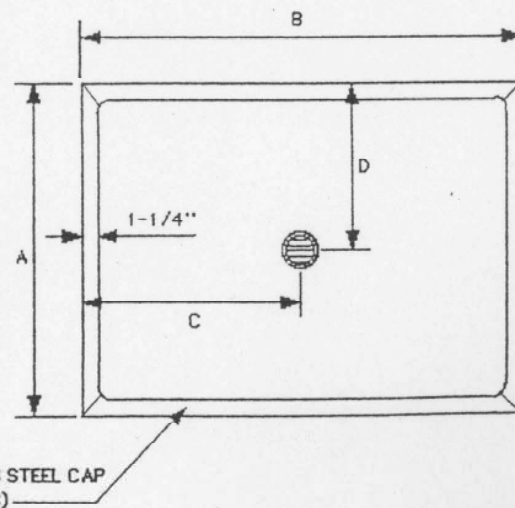
**SERVICEPTORS**  
**FOUR STAINLESS STEEL CAPS**

Shoulders shall not be less than 9-3/4" high inside measurement, and not less than 1-1/4" wide. Drain shall be cast brass cast integral with removable stainless steel strainer, and shall provide for a caulked lead connection not less than 1" deep to a 3" pipe. Terrazzo receptor is composed of pearl gray marble chips and white Portland cement, and is ground smooth, grouted, and sealed to resist stains. Stainless steel cap is four pieces of 20 gauge stainless steel welded together and cast integral. Tiling flanges are optional, made of stainless steel, and extend 1" above the shoulder on 1, 2, or 3 sides, as required.

**SECTION VIEW**



**PLAN VIEW**



MODEL	SIZE	DIMENSION (INCHES)			
		A	B	C	D
✓ SB-850	24x24	24	24	12	12
SB-650	32x32	32	32	16	16
SB-450	36x36	36	36	18	18
SB-250	36x24	36	24	12	18

NOTE: ALL DIMENSIONS SUBJECT TO  
MANUFACTURING VARIANCE  
OF PLUS OR MINUS 1/4".

APPROVED: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_



# MECHANICAL FAUCETS

## 540-LD897SWXFABCP

### Sink Faucets

#### Product Type

Wall Mounted 8" Fixed Centers Hot and Cold Water Sink Faucet

#### Features & Specifications

- 8" Fixed Centers
- 5 3/4" Rigid Vacuum Breaker Spout with 3/4" Male Hose Thread and Pail Hook
- 2 3/8" Lever Handle
- Quaternary Compression Operating Cartridge
- Straight 2" Inlet Supply Arm with Wall Flange with 1/2" NPT Female Thread Inlet
- Atmospheric Vacuum Breaker, Not Intended for Continuous Pressure Applications
- Atmospheric Vacuum Breaker, Not Intended for Continuous Pressure Applications
- ECAST® design provides durable brass construction with total lead content equal to or less than 0.25% by weighted average

#### Performance Specification

- Rated Operating Pressure: 20-125 PSI
- Rated Operating Temperature: 40-140°F

#### Warranty

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

#### Codes & Standards

- ASME A112.18.1/CSA B125.1
- California Health and Safety Code 116875 (AB1953-2006)
- Vermont Bill S.152
- NSF/ANSI 372 Low Lead Content
- ADA ANSI/ICC A117.1

JS:



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.

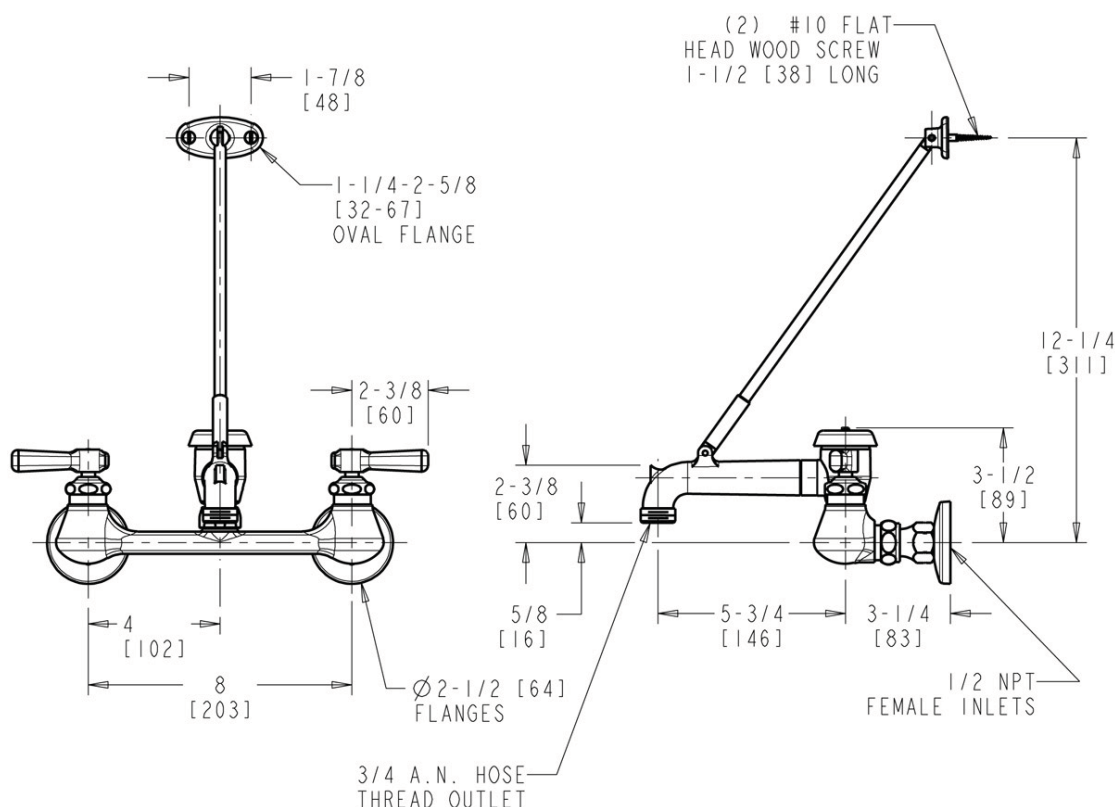




## Sink Faucets

## Architect/Engineer Specification

Chicago Faucets No. 540-LD897SWXFABCP, Wall Mounted 8" Fixed Centers Hot and Cold Water Sink Faucet, polished chrome plated solid brass construction 5 3/4" Center to Center Rigid Vacuum Breaker Spout with 3/4" Male Hose Thread and Pail Hook. 2 3/8" Metal Lever handle(s) with Eight Point Tapered Broach and Secured Blue and Red Buttons. Quatern™ rebuildable compression cartridge, opens and closes 90°, closes with water pressure, features square tapered stem. Straight 2" Inlet Supply Arm with Wall Flange with 1/2" NPT Female Thread Inlet. Atmospheric Vacuum Breaker, Not Intended for Continuous Pressure Applications. Atmospheric Vacuum Breaker, Not Intended for Continuous Pressure Applications. 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, 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](http://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.







O39148  
O39122

OATEY  
OATEY

IM  
LF IMB QT HAMMER BV CPVC  
LF FIR WMOB QT HAMMER BV CPVC





4700 W. 160th St.  
Cleveland, Ohio 44135  
Ph: (800) 321-9532  
Fax: (800) 321-9535  
www.oatey.com

## Ice Maker Outlet Boxes



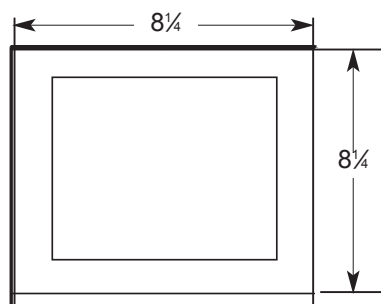
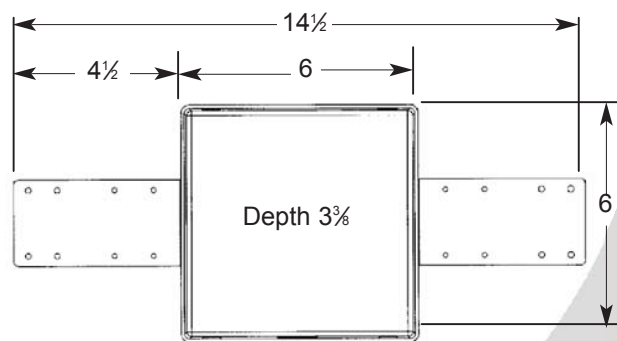
### SUBMITTAL SPECIFICATION

**Engineering Specification:** Oatey Ice Maker boxes can be used in commercial or residential applications which require supply valves recessed into the wall. Available water hammer arrestor option provides water pressure shock arrestors required for installation on supply lines to quick closing valves.

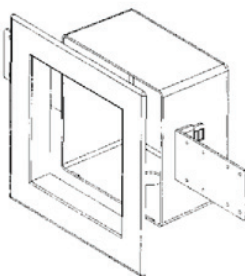
Job Reference



Front View



Faceplate



(All dimensions in inches)

- Provides quick, safe water supply and shut-off for refrigerator ice maker and water dispenser
- Box made of high impact polystyrene
- 2 support brackets
- Snap-on faceplate frame accommodates up to 1" drywall
- Valves comply with requirements of NSF 61, Section 9

✓	Prod. No	Description
	38574	1/4 Turn Brass Ball Valve - Copper Sweat - Standard Pack w/6' Stainless Steel Hose
	38570	1/4 Turn Brass Hammer Ball Valve - Copper Sweat - w/6' Stainless Steel Hose
	38575	1/4 Turn Brass Ball Valve - 1/2" ASTM F1807 PEX- Standard Pack
	38572	1/4 Turn Brass Hammer Ball Valve - 1/2" ASTM F1807 PEX- Standard Pack
	38578	1/4 Turn Brass Hammer Ball Valve - ASTM F1807 PEX
	38579	1/4 Turn Brass Hammer Ball Valve - 3/8" PEX
	38602	1/4 Turn Brass Hammer Ball Valve - CPVC - Standard Pack (6 per)
	38604	1/4 Turn Brass Hammer Ball Valve - ASTM F1807 PEX - Standard Pack (6 per)
	38605	1/4 Turn Brass Hammer Ball Valve - ASTM F1960 - Standard Pack (6 per)
	38607	1/4 Turn Brass Hammer Ball Valve - Copper Sweat - Display Pack (6 per)
	38608	1/4 Turn Brass Hammer Ball Valve - Copper Sweat - Standard Pack (6 per)
	38623	1/4 Turn Brass Ball Valve - CPVC - Standard Pack w/6' Stainless Steel Hose
	38624	1/4 Turn Brass Ball Valve - ASTM F1960 PEX - w/6' Stainless Steel Hose
	38571	1/4 Turn Brass Hammer Ball Valve - CPVC - Standard Pack w/6' Stainless Steel Hose
	38680	1/4 Turn Brass Ball Valve - CPVC - Standard Pack (6 per)
	38681	1/4 Turn Brass Ball Valve - Copper Sweat - Standard Pack (6 per)
	38683	1/4 Turn Brass Ball Valve - Copper Sweat - Contractor Pack (12 per)
	38684	1/4 Turn Brass Ball Valve - ASTM F1807 PEX - Standard Pack (6 per)
	38685	1/4 Turn Brass Ball Valve - CPVC - Contractor Pack (12 per)
	38690	1/4 Turn Brass Ball Valve - Copper Sweat - No Faceplate - Tract Pack (6 per)
	38691	1/4 Turn Brass Ball Valve - ASTM F1807 PEX - Contractor Pack (12 per)
	38692	1/4 Turn Brass Ball Valve - ASTM F1974 PEX - Standard Pack (6 per)
	38693	1/4 Turn Brass Ball Valve - ASTM F1960 PEX - Standard Pack (6 per)
	38739	Boiler Drain Valve - Copper Sweat - Contractor Pack (12 per)
	38805	Plain Box - No Valve - No Hole - Standard Pack (6 per)
	38806	Plain Box - No Valve - No Hole - Standard Pack - With Grommet (6 per)
	38807	North American Boiler Drain Valve - Copper Sweat - Standard Pack (6 per)
	38808	1/4 Turn Brass Ball Valve - Copper Sweat - Display Bag
	38810	Plain Box - No Valve - Standard Pack (6 per)
	38812	Plain Box - No Valve - No Faceplate - Tract Pack (6 per)
	38823	1/4 Turn Brass Ball Valve - Copper Sweat - Display Box
	38950	1/4 Turn Brass Ball Valve - ASTM F1807 PEX - Display Bag
	38951	Boiler Drain Valve - CPVC - Standard Pack (6 per)

Valves meet ASME A112.18.1 Water Hamn.  
Data is subject to manufacturing tolerances.

Visit [www.oatey.com](http://www.oatey.com) for updates.





✓	Prod. No	Description
	38952	FlowGuard Gold ALL-CPVC Valve - CPVC - Standard Pack
	39142	1/4 Turn Brass Hammer Ball Valve Low Lead - Copper Sweat - w/6' Stainless Steel Hose
	39143	1/4 Turn Brass Hammer Ball Valve Low Lead - CPVC - w/6' Stainless Steel Hose
	39144	1/4 Turn Brass Hammer Ball Valve Low Lead-1/2" ASTM F1807 PEX-w/6' Stainless Steel Hose
	39145	1/4 Turn Brass Valve Low Lead - Copper Sweat - w/6' Stainless Steel Hose
	39146	1/4 Turn Brass Valve Low Lead - 1/2" ASTM F1807 PEX - w/6' Stainless Steel Hose
✓	39147	1/4 Turn Brass Hammer Ball Valve Low Lead - 3/8 ASTM F1807 PEX- Standard Pack
	39148	1/4 Turn Brass Hammer Ball Valve Low Lead - CPVC - Standard
	39149	1/4 Turn Brass Hammer Ball Valve Low Lead - 1/2" ASTM F1807 PEX - Standard Pack
	39150	1/4 Turn Brass Hammer Ball Valve Low Lead - 1/2" ASTM F1960 PEX - Standard Pack
	39151	1/4 Turn Brass Hammer Ball Valve Low Lead - Copper Sweat - Display Box
	39152	1/4 Turn Brass Hammer Ball Valve Low Lead - Copper Sweat - Standard Pack
	39153	1/4 Turn Brass Ball Valve Low Lead - CPVC - w/6' Stainless Steel Hose
	39154	1/4 Turn Brass Ball Valve Low Lead - 1/2" ASTM F1960 PEX - w/6' Stainless Steel Hose
	39155	1/4 Turn Brass Ball Valve Low Lead - CPVC - Standard Pack
	39156	1/4 Turn Brass Ball Valve Low Lead - Copper Sweat - Standard Pack
	39157	1/4 Turn Brass Ball Valve Low Lead - Copper Sweat - Contractor Pack
	39158	1/4 Turn Brass Ball Valve Low Lead - 1/2" ASTM F1807 PEX - Standard Pack
	39160	1/4 Turn Brass Ball Valve Low Lead - 1/2" ASTM F1807 PEX - Contractor Pack
	39161	1/4 Turn Brass Ball Valve Low Lead - 1/2" ASTM F1960 PEX - Standard Pack
	39162	North America Brass Boiler Drain Valve Low Lead - Copper Sweat - Standard Pack
	39259	1/4 Turn Brass Ball Valve - CPVC - Contractor Pack
	385961	Square 1/4 Turn F1960 - Standard Pack, 6' SS Hose
	39159	Square 1/4 Turn CPVC Low Lead - Contractor Pack
	38942	Square, Plastic Faceplate
	38768	Brackets 4" Long Plastic
	38648	Brackets 12" Long Plastic



<div><div><div>Oatey®</div><div>4700 W. 160th St. Cleveland, OH 44135 PH:800-321-9532 FX:800-321-9535 www.oatey.com</div></div><div>TECHNICAL SPECIFICATION</div></div>	<div>FIRE – RATED ICE MAKER OUTLET BOXES</div>	<div><div>Quality</div><div>ISO 9001</div><div>System</div></div>
<div>Engineering Specification: Oatey Fire-Rated Ice Maker Outlet Boxes can be used in applications requiring supply valves recessed into a fire-rated wall. Unit shall allow for the mounting of supply lines from top or bottom on the left or right side. Unit shall be available with ¼ turn brass ball valves in configurations with and without water hammer arrestors listed to ASSE 1010. Adjustable metal support bracket shall be installed on top and bottom of unit for support in stud wall.</div>	<div>Job Reference</div>	

Materials:

- Outlet Box: Bulk Molded Compound (BMC)  
Thermoset fire-rated plastic

- Adjustable Mounting Bracket: Galvanized Steel

- Box Pad: UL Classified FyreWrap Insulation Material  
FyreWrap is a registered trademark of Unifrax LLC.

LISTINGS and APPROVALS:

ASTM E814

- 1-hour wall: 60 min. (F)

- 1-hour wall: 32 min (T)

- 2-hour wall: 120 min (F)

- 2-hour wall: 85 min (T)

CAN/ULC S115

- 1-hour wall: 60 min. (F/FH)

- 1-hour wall: 32 min (FT/FTH)

- 2-hour wall: 120 min. (F/FH)

- 2-hour wall: 85 min. (FT/FTH)

Adjustable mounting Bracket:

- Use nails or screws to secure into stud wall

- Faceplate: Snap –on faceplate accommodates up to  
Two layers of 5/8" gypsum



✓	Product No.	Description	PACK	CARTON WEIGHT
	38486	¼ Turn Brass Ball Valve, Copper Sweat, Standard Pack	6	9
	38487	¼ Turn Brass Ball Valve, CPVC, Standard Pack	6	9
	38488	¼ Turn Brass Ball Valve, ½ " ASTM F1807 PEX, Standard Pack	6	9
	38489	¼ Turn Brass Ball Valve, ½ " ASTM F1960 PEX, Standard Pack	6	9
	38490	¼ Turn Brass Ball Valve with Water Hammer Arrestor, Copper Sweat, Standard Pack	6	15
	38491	¼ Turn Brass Ball Valve with Water Hammer Arrestor, CPVC, Standard Pack	6	15
	38492	¼ Turn Brass Ball Valve with Water Hammer Arrestor, ½ " ASTM F1807 PEX, Standard Pack	6	15
	38493	¼ Turn Brass Ball Valve with Water Hammer Arrestor, ½ " ASTM F1960 PEX, Standard Pack	6	15
	39117	¼ Turn Brass Ball Valve-Low Lead-Copper Sweat- Standard Pack	6	25
	39118	¼ Turn Brass Ball Valve-Low Lead- CPVC- Standard Pack	6	25
	39119	¼ Turn Brass Ball Valve-Low Lead-1/2" ASTM F1807 PEX- Standard Pack	6	25
	39120	¼ Turn Brass Ball Valve-Low Lead- ½ " ASTM F1960 PEX- Standard Pack	6	25
✓	39121	¼ Turn Brass Hammer Ball Valve-Low Lead- Copper Sweat Standard Pack	6	28
	39122	¼ Turn Brass Hammer Ball Valve-Low Lead- CPVC Standard Pack	6	28
	39123	¼ Turn Brass Hammer Ball Valve-Low Lead- ½ " ASTM F1807 PEX- Standard Pack	6	28
	39124	¼ Turn Brass Hammer Ball Valve-Low Lead- ½ " ASTM F1960 PEX- Standard Pack	6	28

Accessories				
✓	Product No.	Description	PACK	CARTON WEIGHT
	38495	Plain Fire Ice Maker Outlet Box, without faceplate or brackets	6	3
	38497	Ice Maker Outlet Box Faceplate	6	1
	38498	Adjustable Metal Support Bracket, 2-pieces	12	8





AENL20261492000 AO SMITH

**WH4:**

19 GALLON 4.5 KW 240 VOLTS ELECTRIC 1 PH LOBOY WATER  
HEATER





## Residential Electric Water Heaters

# ProMax®



ENL20 4.5KW 240V 1PH

### ENHANCED HEATING ELEMENTS

- Dual 4500 watt elements for fast recovery and reliable operation.\*
- Incoloy stainless steel lower element lasts longer than a standard copper element.

### DYNACLEAN™ DIFFUSER DIP TUBE

- Helps reduce lime and sediment buildup and maximizes hot water output. Made from long-lasting PEX cross-linked polymer.

### HIGH ENERGY FACTORS

- Eco-friendly non-CFC foam insulation, heat traps and other features combine to yield a higher Energy Factor that maximizes savings on operating costs.

### COREGARD™ ANODE ROD

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods.

### BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to industry standard glass lining.

### ENHANCED-FLOW BRASS DRAIN VALVE

- Our residential water heaters have a solid brass, tamper resistant, enhanced-flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.
- Designed for easy operation, this valve includes an integral screwdriver slot that features a ¼ turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.

\*Model ENL-20 has a single element.

### CODE COMPLIANCE

- Meets UBC and ICC National Codes and listed with CEC.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

### APPROVED FOR MANUFACTURED HOUSING

- All residential electric water heaters are compliant with HUD Standards for mobile homes/manufactured housing.

### CERTIFIED TO UL 174 FOR HOUSEHOLD ELECTRIC WATER HEATERS

### CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

### DESIGN-LISTED BY UNDERWRITERS LABORATORIES

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to UL 174 standards governing storage tank-type electric water heaters.

### 6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).







# Residential Electric Water Heaters

Model Number	Gallon Capacity	First Hour Rating Gallon	Energy Factor	Recovery @ 90° F Rise Gallon Per Hour	Element Wattage 240V		Dimensions in Inches			Approx. Shipping Weight (lbs)
					Standard	Maximum	A	B	C	
Tall Models										
ENT-30†	30	47	0.95	21	4500	6000	46-1/2	39-1/2	19	95
ENT-40†	40	51	0.95	21	4500	6000	60-1/4	53-1/4	20	118
ENT-50†	50	73	0.95	21	4500	6000	60-1/2	51-1/4	20-1/2	125
ENT-55†	55	76	0.94	21	4500	6000	56-1/2	48-1/2	24	145
Short Models										
ENSB-30*	30	48	0.95	21	4500	6000	39	30-1/2	20	95
ENS-30†	30	49	0.95	21	4500	6000	39-3/4	30-1/2	22	94
ENS-40†	40	55	0.95	21	4500	6000	50	40-3/4	20-1/2	109
ENS-50†	50	62	0.95	21	4500	6000	49-3/4	40-3/8	23	161
Lowboy Top Connect Models										
ENL-20	19.5	N/A	N/A	21	4500	6000	30	21-1/4	20	65
ENLB-30*	28	40	0.95	21	4500	6000	30	21-3/4	20	90
ENL-30†	28	43	0.95	21	4500	6000	31-1/4	21-3/4	24	115
ENLB-40*	38	46	0.95	21	4500	6000	31-3/4	24	24	118
ENL-40†+	38	44	0.95	21	4500	6000	33-1/2	24	26	118
ENLB-50*†	48	57	0.95	21	4500	6000	34	25	26-1/2	172

Male 3/4" water connections on 8" center.

\*Models ship with supplied insulation blanket.

†For 10-year tank and 6-year parts warranty, change "E" to "P" in the model number (example: ENT-30 becomes PNT-30).

+ Top T&P option not available on this model.

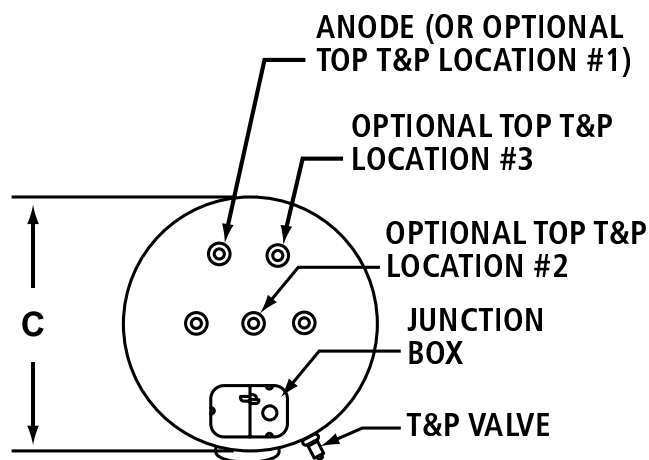
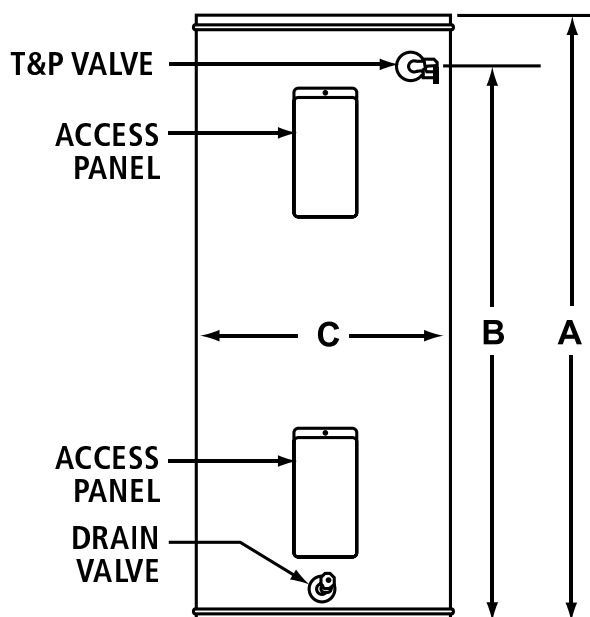
ENL-20 is a single element configuration only.

Optional top T&P location #2 is used on the ENT-50, ENT-55, ENS-40 and ENS-50.

Optional top T&P location #3 is used on the ENLB-50, ENL-30 and ENLB-30.

Top T&P is not available on the 10 year model PNLB-50.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



For technical information call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.





AENLB50202172000 AO SMITH

**WH5:**

48G 4.5KW 240V 1PH LB WHTR ALUM (WITH BLANKET)





## Residential Electric Water Heaters

# ProMax®



ENLB50 4.5KW 240V 1PH

### ENHANCED HEATING ELEMENTS

- Dual 4500 watt elements for fast recovery and reliable operation.\*
- Incoloy stainless steel lower element lasts longer than a standard copper element.

### DYNACLEAN™ DIFFUSER DIP TUBE

- Helps reduce lime and sediment buildup and maximizes hot water output. Made from long-lasting PEX cross-linked polymer.

### HIGH ENERGY FACTORS

- Eco-friendly non-CFC foam insulation, heat traps and other features combine to yield a higher Energy Factor that maximizes savings on operating costs.

### COREGARD™ ANODE ROD

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods.

### BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to industry standard glass lining.

### ENHANCED-FLOW BRASS DRAIN VALVE

- Our residential water heaters have a solid brass, tamper resistant, enhanced-flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.
- Designed for easy operation, this valve includes an integral screwdriver slot that features a ¼ turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.

\*Model ENL-20 has a single element.

### CODE COMPLIANCE

- Meets UBC and ICC National Codes and listed with CEC.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

### APPROVED FOR MANUFACTURED HOUSING

- All residential electric water heaters are compliant with HUD Standards for mobile homes/manufactured housing.

### CERTIFIED TO UL 174 FOR HOUSEHOLD ELECTRIC WATER HEATERS

### CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

### DESIGN-LISTED BY UNDERWRITERS LABORATORIES

- Certified at 300 psi test pressure and 150 psi working pressure.
- Listed according to UL 174 standards governing storage tank-type electric water heaters.

### 6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).







# Residential Electric Water Heaters

✓ **4.5KW 240V 1PH LB**

Model Number	Gallon Capacity	First Hour Rating Gallon	Energy Factor	Recovery @ 90° F Rise Gallon Per Hour	Element Wattage 240V		Dimensions in Inches			Approx. Shipping Weight (lbs)
					Standard	Maximum	A	B	C	
Tall Models										
ENT-30†	30	47	0.95	21	4500	6000	46-1/2	39-1/2	19	95
ENT-40†	40	51	0.95	21	4500	6000	60-1/4	53-1/4	20	118
ENTB-50*	50	70	0.95	21	4500	6000	60-1/4	51-1/4	21	131
ENT-50†	50	71	0.95	21	4500	6000	60-1/2	51-1/4	22	134
ENT-55†	55	76	0.94	21	4500	6000	56-1/2	48-1/2	24	145
Short Models										
ENSB-30*	30	48	0.95	21	4500	6000	39	30-1/2	20	95
ENS-30†	30	49	0.95	21	4500	6000	39-3/4	30-1/2	22	94
ENS-40†	40	55	0.95	21	4500	6000	50	40-3/4	20-1/2	109
ENS-50†	50	62	0.95	21	4500	6000	49-3/4	40-3/8	23	161
Lowboy Top Connect Models										
ENL-20	19.5	N/A	N/A	21	4500	6000	30	21-1/4	20	65
ENLB-30*	28	40	0.95	21	4500	6000	30	21-3/4	22	96
ENL-30†	28	43	0.95	21	4500	6000	31-1/4	21-3/4	24	115
ENLB-40*	38	46	0.95	21	4500	6000	31-3/4	24	24	118
ENL-40†	38	44	0.95	21	4500	6000	33-1/2	24	26	118
ENLB-50*†	48	57	0.95	21	4500	6000	34	25	26-1/2	172

Male 3/4" water connections on 8" center.

\*Models ship with supplied insulation blanket.

†For 10-year tank and 6-year parts warranty, change "E" to "P" in the model number (example: ENT-30 becomes PNT-30).

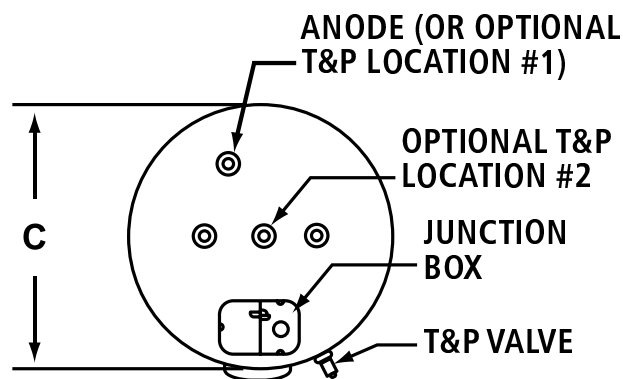
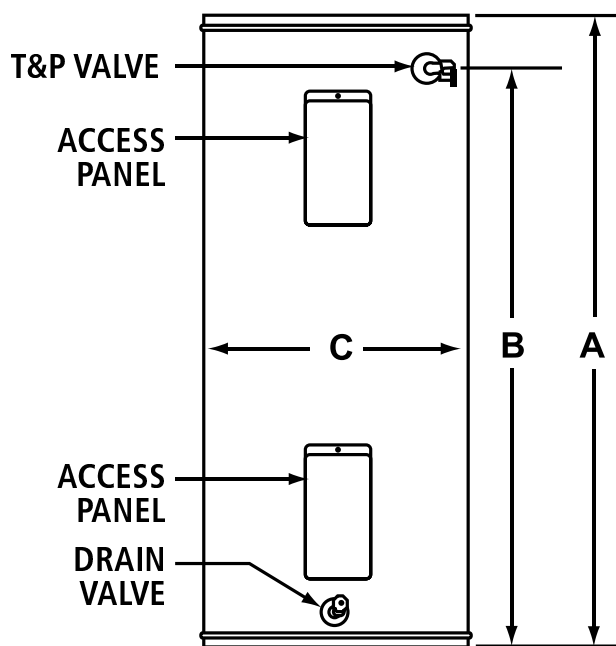
+ Top T&P option not available on this model.

ENL-20 is a single element configuration only.

Optional T&P location #2 is used on the ENT-50, ENTB50, ENT-55, ENS-40 and ENS-50.

Top T&P is not available on the 10 year model PNLB-50.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



For technical information call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.





AEJC10261411000	AO SMITH	<u>WH6:</u> 10 GALLON 1.65KW 120 VOLTS 1PH WATER HEATER ALUMINUM
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## Residential Electric Water Heaters

# ProMax®



### SPECIALITY ELECTRIC

**EJC10 1.65KW 120V 1PH**

#### TABLE TOP

- Features a convenient flat porcelain surface at 36" height, providing extra "counter space" wherever installed. All plumbing and electrical connections are made through the back of the water heater. This heater is equipped with a PEX cross-linked polymer dip tube.

#### POINT-OF-USE

- Designed for low-demand, such as office lavatories or buildings with remote restrooms.

#### COMPACT

- Side-mounted plumbing and electrical connections (optional top-mounted water connections for field conversion). Designed for installation under a counter, in a crawl space or in other tight spaces.

#### BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to industry standard glass lining.

#### ENHANCED FLOW BRASS DRAIN VALVE

- Our standard residential water heaters have a solid brass, tamper resistant, enhanced flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.
- Designed for easy operation, this valve includes an integral screwdriver slot that features a 1/4 turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.

#### CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes.
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

#### APPROVED FOR MANUFACTURED HOUSING

- All residential electric water heaters are compliant with HUD standards for mobile homes/ manufactured housing.

#### CERTIFIED TO UL 174 FOR HOUSEHOLD ELECTRIC WATER HEATERS

#### CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

#### DESIGN-LISTED BY CSA INTERNATIONAL

- Certified at 300 PSI test pressure and 150 PSI working pressure.
- Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type water heaters.

#### 6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information consult the written warranty or A. O. Smith.



**EJC10261411000** ✓







# Residential Electric Water Heaters



## 1.65KW 120V 1PH ALUM

				Element Wattage			Dimensions in Inches			
Model Number	Gallon Capacity	First Hour Rating Gallon	Energy Factor	Standard	Maximum	Recovery @ 90°F Rise Gallons Per Hour	A	B	C	Approx. Shipping Weight (lbs)
COMPACT MODEL				120V	240V					
EJC-6	6	N/A	N/A	1650	3000	8	15-1/4	10-3/4	14-1/4	35
EJC-10	10	N/A	N/A	1650	6000	8	18-1/4	12-1/4	16	41
EJCS-20	19	N/A	N/A	2500	6000	11	24-3/4	18-5/8	18	68
EJCT-20	19.9	N/A	N/A	2500	6000	11	31-5/8	25-3/4	16	68
LOWBOY SIDE-CONNECT MODEL				240V						
ENJ-30	28	40	0.95	4500	6000	20.7	31-1/4	21-3/4	24	115
ENJB-30*	28	40	0.95	4500	6000	20.7	30	21-3/4	22	101
ENJ-40	38	46	0.95	4500	6000	20.7	33-1/2	24	26	118
ENJB-40*	38	46	0.95	4500	6000	20.7	31-3/4	24	24	118
TABLE TOP MODEL				240V						
ESTT-40	38	45	0.88	4500	5500	20.7	36	24	25	150
POINT-OF-USE MODELS				120V						
EJC-2	2.5	N/A	N/A	1500 @ 120V		7	13-3/4	11	13-3/4	20

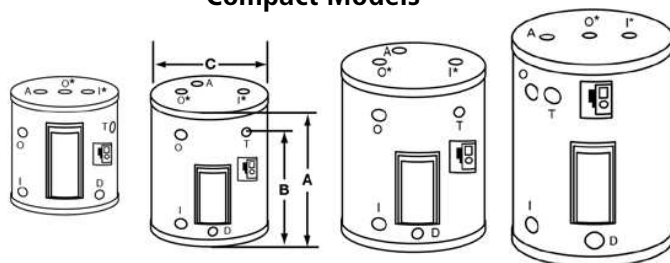
\*Models ship with a supplied insulation blanket.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

† Top mounted T&P adds approximately 3" additional to overall height.

Water connection is 3/4" on Table Top and Compact models and 1/2" NPT on Point-Of-Use Models

### Compact Models



EJC-6

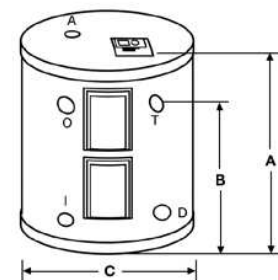
EJC-10

EJCS-20

EJCT-20

I	INLET	D	DRAIN	I*	PLUGGED INLET
O	OUTLET	T	T&P	O*	PLUGGED OUTLET

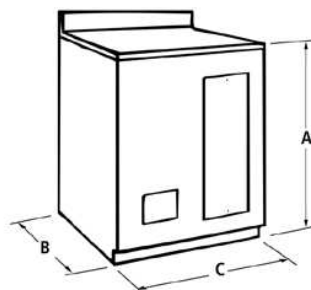
### Lowboy



ENJ-30, ENJB-30

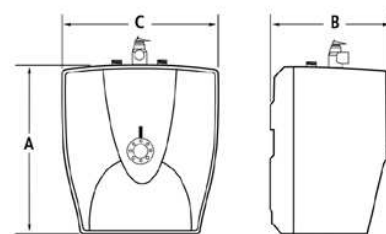
ENJ-40, ENJB-40

### Table Top Model



ESTT-40

### Point-Of-Use



EJC-2

For technical information and automated fax service, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.





AEJC10261411000	AO SMITH	<u>WH7:</u> 10 GALLON 1.65KW 120 VOLTS 1PH WATER HEATER ALUMINUM
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## Residential Electric Water Heaters

# ProMax®


**SPECIALITY ELECTRIC**
**EJC10 1.65KW 120V 1PH**

### TABLE TOP

- Features a convenient flat porcelain surface at 36" height, providing extra "counter space" wherever installed. All plumbing and electrical connections are made through the back of the water heater. This heater is equipped with a PEX cross-linked polymer dip tube.

### POINT-OF-USE

- Designed for low-demand, such as office lavatories or buildings with remote restrooms.

### COMPACT

- Side-mounted plumbing and electrical connections (optional top-mounted water connections for field conversion). Designed for installation under a counter, in a crawl space or in other tight spaces.

### BLUE DIAMOND® GLASS COATING

- Provides superior corrosion resistance compared to industry standard glass lining.

### ENHANCED FLOW BRASS DRAIN VALVE

- Our standard residential water heaters have a solid brass, tamper resistant, enhanced flow, ball type, drain valve.
- Uses a standard female hose fitting that allows for fast and easy draining during maintenance.
- Designed for easy operation, this valve includes an integral screwdriver slot that features a 1/4 turn (open/close) radius, which not only permits full straight-through water flow but also a quick and positive shut off.

### CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes.
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1.
- Complies with the Federal Energy Conservation Standards effective April 16, 2015, in accordance with the Energy Policy and Conservation Act (EPCA), as amended.

### APPROVED FOR MANUFACTURED HOUSING

- All residential electric water heaters are compliant with HUD standards for mobile homes/ manufactured housing.

### CERTIFIED TO UL 174 FOR HOUSEHOLD ELECTRIC WATER HEATERS

### CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

### DESIGN-LISTED BY CSA INTERNATIONAL

- Certified at 300 PSI test pressure and 150 PSI working pressure.
- Listed according to ANSI Z21.10.1-CSA 4.1 standards governing storage tank-type water heaters.

### 6-YEAR LIMITED TANK AND PARTS WARRANTY

- For complete information consult the written warranty or A. O. Smith.



# EJC10261411000 ✓







# Residential Electric Water Heaters



## 1.65KW 120V 1PH ALUM

				Element Wattage			Dimensions in Inches			
Model Number	Gallon Capacity	First Hour Rating Gallon	Energy Factor	Standard	Maximum	Recovery @ 90°F Rise Gallons Per Hour	A	B	C	Approx. Shipping Weight (lbs)
COMPACT MODEL				120V	240V					
EJC-6	6	N/A	N/A	1650	3000	8	15-1/4	10-3/4	14-1/4	35
EJC-10	10	N/A	N/A	1650	6000	8	18-1/4	12-1/4	16	41
EJCS-20	19	N/A	N/A	2500	6000	11	24-3/4	18-5/8	18	68
EJCT-20	19.9	N/A	N/A	2500	6000	11	31-5/8	25-3/4	16	68
LOWBOY SIDE-CONNECT MODEL				240V						
ENJ-30	28	40	0.95	4500	6000	20.7	31-1/4	21-3/4	24	115
ENJB-30*	28	40	0.95	4500	6000	20.7	30	21-3/4	22	101
ENJ-40	38	46	0.95	4500	6000	20.7	33-1/2	24	26	118
ENJB-40*	38	46	0.95	4500	6000	20.7	31-3/4	24	24	118
TABLE TOP MODEL				240V						
ESTT-40	38	45	0.88	4500	5500	20.7	36	24	25	150
POINT-OF-USE MODELS				120V						
EJC-2	2.5	N/A	N/A	1500 @ 120V		7	13-3/4	11	13-3/4	20

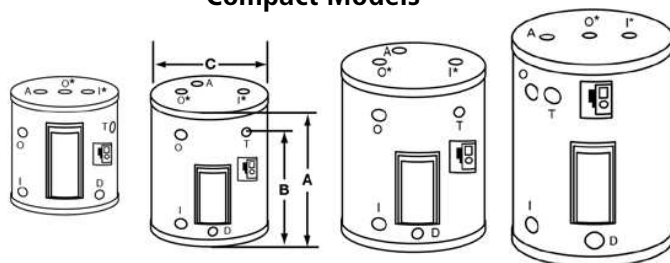
\*Models ship with a supplied insulation blanket.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

† Top mounted T&P adds approximately 3" additional to overall height.

Water connection is 3/4" on Table Top and Compact models and 1/2" NPT on Point-Of-Use Models

### Compact Models



EJC-6

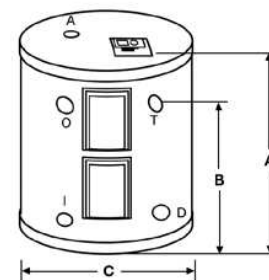
EJC-10

EJCS-20

EJCT-20

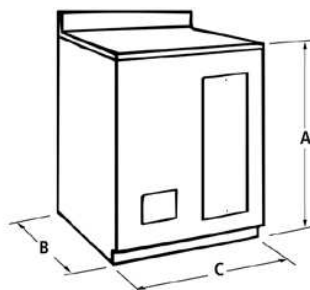
I	INLET	D	DRAIN	I*	PLUGGED INLET
O	OUTLET	T	T&P	O*	PLUGGED OUTLET

### Lowboy



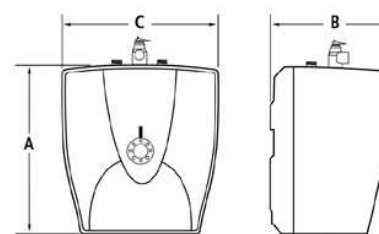
ENJ-30, ENJB-30  
ENJ-40, ENJB-40

### Table Top Model



ESTT-40

### Point-Of-Use



EJC-2

For technical information and automated fax service, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.





S3326009

SLOAN

**STMV:**

LEAD LAW COMPLIANT MIX60A MECHANICAL MIXING VALVE 1  
FAUCET



### ► Code Number

3326009

### ► Description

Below Deck Mechanical Water Mixing Valve for use with a single Sloan Optima® faucet.

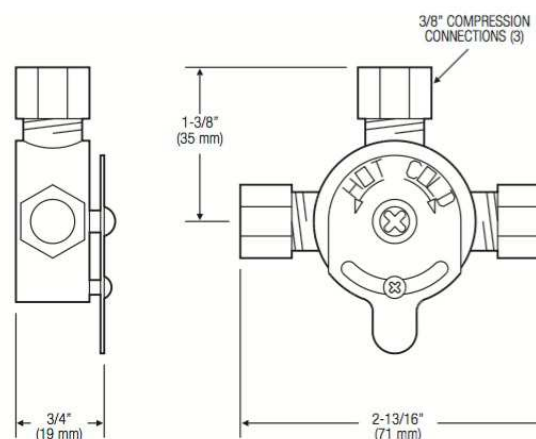
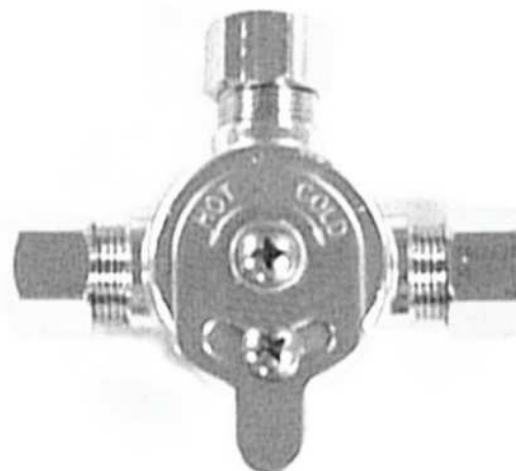
### ► Specifications

- Mechanical Water Mixing Valve with the following features:
- Designed to install under the lavatory
- Installs in place of the Tee fitting supplied with the faucet prior to the solenoid valve
- Equipped with integral check valves at inlets
- Compression sleeves and nuts included
- Lever dial adjustment with lock screw: COLD-HOT
- Brass construction
- Polished Chrome
- 3/8" compression connection on inlets and outlet

### ► Flow Capacities

CAUTION! This is a mechanical hot and cold mixing valve only! It DOES NOT provide automatic control of water temperature. Hot water in excess of 110°F (43°C) is dangerous and CAN CAUSE SCALDING!

	SYSTEM PRESSURE					
PSI	20	30	40	50	60	70
BAR	1.4	2.1	2.8	3.4	4.2	4.9
GPM	1.75	2.25	2.75	3.0	3.5	4.0
Lpm	6.62	8.51	10.40	11.35	13.25	15.14



This space for Architect/Engineer Approval





S2005L02A05NBP05 SMITH  
0

FD1:  
2 FLR DRN W/5 NB TOP W/ TP






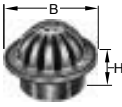

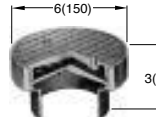
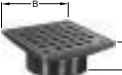

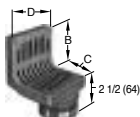
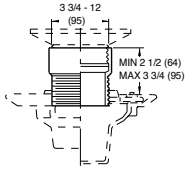
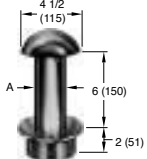

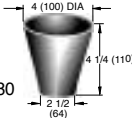
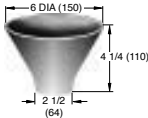
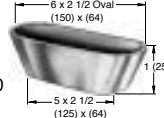
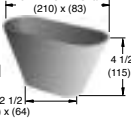
<b>FIGURE NUMBER</b>	<b>2005</b>	<b>DRAWN BY:</b> PJ	<b>CHECKED BY:</b> TD	<b>APPROVED BY:</b> TD	<b>DATE:</b> 5-17-85	<b>SCALE:</b> NONE	<b>SIZE</b> A	<b>DRAWING NUMBER</b> S2005	<b>S</b>	<b>SMITH® JAY R. SMITH MFG. CO.®</b> MEMBER OF MORRIS GROUP INTERNATIONAL POST OFFICE BOX 3237 MONTGOMERY, ALABAMA 36109-0237 (USA) TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com CUSTOMER DRIVEN SINCE 1925	 MEMBER OF:	 MEMBER OF:	 MEMBER OF:	<b>LOCATION</b> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>																																																																																																																																																																												
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<p><b>FUNCTION:</b> General service floor drain for use in showers, toilets, kitchens and other finished areas where foot traffic is expected. The round top strainer head is used for all types of poured finished floors. The square top is particularly adaptable to floors that are finished in material of square or straight line pattern. Reversible flashing collar permits adjustment of the strainer to meet finished floor level.</p> <div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> </div> <div style="width: 45%;"> </div> </div> <p style="text-align: center;">A (Pipe Size) = 02(50), 03(75), 04(100), 05(125) or 06(150)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p style="text-align: center;"><b>NO-HUB OUTLET</b></p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> Fig. 2005Y.....(A) ROUND TOP         </div> <div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> Fig. 2005Y.....(B) SQUARE TOP         </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Outlet Size</th> <th>Nickel Bronze Strainer Head</th> </tr> </thead> <tbody> <tr> <td>▲ 02(50)</td> <td>05(125) DIA or SQ</td> </tr> <tr> <td>▲ 03(75)</td> <td>06(150) DIA or SQ</td> </tr> <tr> <td>▲ 04(100)</td> <td>08(205) DIA or SQ</td> </tr> </tbody> </table> <p>▼ 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.</p> </div> <div style="width: 48%;"> <p style="text-align: center;"><b>SPEEDI-SET OUTLET</b></p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;"> <input checked="" type="checkbox"/> Fig. 2005L.....(A) ROUND TOP         </div> <div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> Fig. 2005L.....(B) SQUARE TOP         </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Strainer Size B DIA or SQ</th> <th colspan="2">*Collar In High Position X</th> <th colspan="2">*Collar In Low Position XX</th> <th colspan="2">Free Area SQ IN (SQ CM)</th> </tr> <tr> <th>MIN</th> <th>MAX</th> <th>MIN</th> <th>MAX</th> <th>ROUND</th> <th>SQUARE</th> </tr> </thead> <tbody> <tr> <td>05 (125)</td> <td>1 1/4(32)</td> <td>2 1/4(57)</td> <td>3/4(19)</td> <td>1 5/8(41)</td> <td>7(45)</td> <td>6.5(42)</td> </tr> <tr> <td>06 (150)</td> <td>1 1/4(32)</td> <td>2 1/4(57)</td> <td>3/4(19)</td> <td>1 5/8(41)</td> <td>9(58)</td> <td>12.5(81)</td> </tr> <tr> <td>07 (180)</td> <td>1 1/4(32)</td> <td>2 1/4(57)</td> <td>7/8(22)</td> <td>1 7/8(48)</td> <td>14(90)</td> <td>11(71)</td> </tr> <tr> <td>08 (205)</td> <td>1 1/2(38)</td> <td>2 1/2(64)</td> <td>1(25)</td> <td>1 7/8(48)</td> <td>17(110)</td> <td>14(90)</td> </tr> <tr> <td>*09 (230)</td> <td>1 1/2(38)</td> <td>2 3/8(60)</td> <td>1(25)</td> <td>1 7/8(48)</td> <td>18(116)</td> <td>16(103)</td> </tr> <tr> <td>*10 (255)</td> <td>1 1/2(38)</td> <td>2 3/8(60)</td> <td>1(25)</td> <td>1 7/8(48)</td> <td>23(48)</td> <td>16(103)</td> </tr> </tbody> </table> </div> </div>															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 DIA or SQ	*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)																																																																																																													
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<p><b>REGULARLY FURNISHED:</b>          Duco Cast Iron Body with Flashing Collar and Adjustable Strainer Head as Indicated by Suffix Letter Selected.</p> <p><b>VARIATIONS:</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <ul style="list-style-type: none"> <li><input type="checkbox"/> Flapper Type Backwater Valve -V</li> <li><input checked="" type="checkbox"/> Hinged Grate -H</li> <li><input checked="" type="checkbox"/> L Speedi-Set Service Weight 2(50), 3(75) &amp; 4"(100) only</li> <li><input type="checkbox"/> LXH Speedi-Set Extra Heavy 2(50), 3(75) &amp; 4"(100) only</li> <li><input checked="" type="checkbox"/> Sediment Bucket -B</li> <li><input checked="" type="checkbox"/> Trap Primer Connection -P050 1/2" (13) &amp; -P075 3/4" (19)</li> <li><input type="checkbox"/> Vandal Proof Screws -U</li> <li><input type="checkbox"/> Wide Flanged Strainer (Specify Fig. DX2005)</li> <li><input type="checkbox"/> T Threaded Outlet</li> <li><input type="checkbox"/> Heelproof Grate -HP -AHP (Round) or -BHP (Square)</li> <li><input type="checkbox"/> Quad Close Trap Seal (Specify Fig. 2692)</li> </ul> </div> <div style="width: 45%;"> <p><b>OPTIONAL MATERIALS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Bronze Body -BB</li> <li><input type="checkbox"/> Chrome Plated Strainer -CP</li> <li><input checked="" type="checkbox"/> Galvanized Cast Iron Body -G</li> <li><input checked="" type="checkbox"/> Nickel Bronze Strainer -NB</li> <li><input type="checkbox"/> Polished Bronze Strainer -PB</li> <li><input type="checkbox"/> All Stainless Steel (Specify Fig. 9700)</li> <li><input type="checkbox"/> Stainless Steel Strainers -SS [Available in 05(125) &amp; 06(150) sizes only]</li> </ul> </div> </div> <p><b>NOTE:</b> Dimensions shown in parentheses are in millimeters.</p> <p>▲ Meets ASME Standard A112.6.3-2001 02(50), 03(75) or 04"(100) sizes only.</p>																																																																																																																																																																																										
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<b>H</b>	<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p><b>SMITH JAY R. SMITH MFG. CO.®</b>  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</p> </div> <div style="flex: 1; text-align: center;"> <p>MEMBER OF:</p> </div> </div>				<b>LOCATION</b> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>																																														
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<b>SUFFIX -B</b>		<b>SUFFIX -BS</b>		<b>REINFORCED ROUND STRAINER</b>		<b>REINFORCED TRACTOR STRAINER</b>																																													
<b>FUNCTION:</b> Used in finished floors where light wheeled loads are anticipated.		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <b>MATERIALS:</b>  Chrome Plated -CP  Polished Bronze -PB  Nickel Bronze -NB </div> <div style="text-align: center;"> <b>VARIATIONS:</b>  Flapper Type Backwater Valve (Specify Suffix -CV)  Sediment Bucket -B  Vandal Proof Screws -U </div> </div> <table border="1" style="width: 100%; font-size: 0.8em; margin-top: 5px;"> <tr><th>B DIA</th><th>05 (125)</th><th>06 (150)</th><th>08 (205)</th><th>10 (255)</th></tr> <tr><td>H</td><td>2 (51)</td><td>2 (51)</td><td>2 1/2 (64)</td><td>2 3/4 (70)</td></tr> <tr><td>MIN</td><td>1 1/4 (32)</td><td>1 1/4 (32)</td><td>1 1/2 (38)</td><td>1 7/8 (48)</td></tr> <tr><td>MAX</td><td>2 1/4 (57)</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td><td>2 3/4 (70)</td></tr> </table> <p style="text-align: center;">Specify Type, Size &amp; Finish eg: C06NB</p>		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)	<b>FUNCTION:</b> Used in finished floors where medium weight wheeled loads are anticipated and loose set non-tilt tractor grate is desired.		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <b>MATERIALS:</b>  Cast Iron -CI  Chrome Plated -CP  Polished Bronze -PB  Nickel Bronze -NB </div> <div style="text-align: center;"> <b>VARIATIONS:</b>  Flapper Type Backwater Valve (Specify Suffix -DV or -EV)  Sediment Bucket -B  Vandal Proof Screws -U </div> </div> <table border="1" style="width: 100%; font-size: 0.8em; margin-top: 5px;"> <tr><th>SUFFIX</th><th>B DIA</th><th>H</th><th colspan="2">X</th></tr> <tr><td>-D</td><td>07 (180)</td><td>3 1/4 (83)</td><td>2 5/8 (67)</td><td>3 1/2 (89)</td></tr> <tr><td>-E</td><td>09 (230)</td><td>3 1/2 (89)</td><td>2 3/4 (70)</td><td>3 1/2 (89)</td></tr> </table> <p style="text-align: center;">Specify Type, Size &amp; Finish eg: D09PB E09PB</p>		SUFFIX	B DIA	H	X		-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)									
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<b>SUFFIX -C</b>		<b>SUFFIX -D-E</b>		<b>TILE FLANGE</b>		<b>ADJUSTABLE STRAINER HEAD</b>																																													
<b>FUNCTION:</b> Provides integral flange set 5/32" (4) below rim to receive floor covering. Flange may have option of tapped holes for securing pan and gasket.		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <b>MATERIALS:</b>  Chrome Plated -CP  Polished Bronze -PB  Nickel Bronze -NB </div> <div style="text-align: center;"> <b>VARIATIONS:</b>  Flapper Type Backwater Valve (Specify Suffix -FV)  Holes in Flange -SH  Sediment Bucket -B  Vandal Proof Screws -U </div> </div> <table border="1" style="width: 100%; font-size: 0.8em; margin-top: 5px;"> <tr><th colspan="2">X</th></tr> <tr><td>MIN</td><td>1 1/4 (32)</td></tr> <tr><td>MAX</td><td>2 1/8 (54)</td></tr> </table> <p style="text-align: center;">Specify Type, Size &amp; Finish eg: F06NB</p>		X		MIN	1 1/4 (32)	MAX	2 1/8 (54)	<b>FUNCTION:</b> Used in a non-traffic area when a funnel type strainer head is required and space does not allow use of the 3500 series funnel. The extended rim allows use as an anti-flood and anti-splash drip pan.		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <b>VARIATIONS:</b>  Flapper Type Backwater Valve (Specify Suffix -F37V or F38V) </div> <div style="text-align: center;"> <b>MATERIALS:</b>  Cast Iron -CI  Chrome Plated -CP  Galvanized Cast Iron -G  Polished Bronze -PB  Nickel Bronze -NB </div> </div> <table border="1" style="width: 100%; font-size: 0.8em; margin-top: 5px;"> <tr><th>SUFFIX</th><th>-F37</th><th>-F38</th></tr> <tr><td>B DIA</td><td>07 (180)</td><td>09 (230)</td></tr> <tr><td>H</td><td>3 1/4 (83)</td><td>3 1/2 (89)</td></tr> <tr><td>MIN</td><td>2 5/8 (67)</td><td>2 3/4 (70)</td></tr> <tr><td>X MAX</td><td>3 1/2 (89)</td><td>3 1/2 (89)</td></tr> </table> <p style="text-align: center;">Specify Type, Size &amp; Finish eg: F37NB F38CP</p>		SUFFIX	-F37	-F38	B DIA	07 (180)	09 (230)	H	3 1/4 (83)	3 1/2 (89)	MIN	2 5/8 (67)	2 3/4 (70)	X MAX	3 1/2 (89)	3 1/2 (89)																							
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<b>SUFFIX -F</b>		<b>SUFFIX -F37-F38</b>		<b>FIGURE NUMBER</b> <b>2010 SERIES OPTIONAL STRAINER HEADS</b> <b>1 of 2</b>																																															
REV.	DATE	DESCRIPTION	BY	CKD. BY																																															

NOTE: Dimensions shown in parentheses are in millimeters.



<b>J</b>	<b>SMITH® JAY R. SMITH MFG. CO.®</b> 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:	 MEMBER OF:	 MEMBER OF:	<b>LOCATION</b>																																																																													
<b>PM0457 SH 2 of 2</b>	<b>A</b>	<b>NONE</b>	<b>5-17-85</b>	<b>TD</b>	<b>TD</b>	<b>PJ</b>	<b>2010 SERIES OPTIONAL STRAINER HEADS</b>	OPTIONAL STRAINER HEADS																																																																										
DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE																																																																																		
LOW DOME STRAINER		SOLID HINGED COVER		SPANNER WRENCH COVER																																																																														
<p><b>FUNCTION:</b> Used in gutters and recessed areas where excessive debris build-up is expected. Dome insures drainage even when partly covered.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -GV) Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: G08PB</p>		B DIA	05 (125)	06 (150)	08 (205)	H	2 (51)	2 (51)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Used in areas where intermittent drain use is required. Solid cover prevents intrusion of chips, saw-dust, etc., which are swept up before cover is opened for washdown. The secondary strainer prevents debris from entering the waste line.</p> <p><b>MATERIALS:</b> Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -GV) Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: H05CP</p>		B DIA	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Solid gas tight, vandal proof, threaded cover for areas where intermittent drain use is required.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -JV) Sediment Bucket -B</p>  <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th colspan="2">X</th> </tr> <tr> <th>MIN</th> <th>MAX</th> </tr> <tr> <td>2 (51)</td> <td>3 (76)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: J06NB</p>				X		MIN	MAX	2 (51)	3 (76)																																	
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<p><b>FUNCTION:</b> Used in finished floors where some light wheeled traffic is anticipated.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -KV) Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>B SQ</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: K07CP</p>		B SQ	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>SUFFIX</th> <th>L</th> <th>M</th> <th>N</th> <th>P</th> <th>R</th> <th>T</th> </tr> <tr> <td>B x B</td> <td>4 1/2 (115) x 8 (205)</td> <td>4 (100) x 12 (305)</td> <td>5 (125) x 9 (230)</td> <td>5 (125) x 13 (330)</td> <td>6 (150) x 10 (255)</td> <td>5 (125) x 17 (430)</td> </tr> <tr> <td>H</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/4 (57)</td> <td>3 (76)</td> <td>2 1/4 (57)</td> <td>3 (76)</td> </tr> <tr> <td>MIN</td> <td>1 3/8 (35)</td> <td>1 7/8 (48)</td> <td>1 3/8 (35)</td> <td>2 1/8 (54)</td> <td>1 3/8 (35)</td> <td>2 1/4 (57)</td> </tr> <tr> <td>MAX</td> <td>2 3/8 (60)</td> <td>2 3/4 (70)</td> <td>2 3/8 (60)</td> <td>3 (76)</td> <td>2 3/8 (60)</td> <td>3 1/8 (79)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: LNB</p>		SUFFIX	L	M	N	P	R	T	B x B	4 1/2 (115) x 8 (205)	4 (100) x 12 (305)	5 (125) x 9 (230)	5 (125) x 13 (330)	6 (150) x 10 (255)	5 (125) x 17 (430)	H	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	3 (76)	2 1/4 (57)	3 (76)	MIN	1 3/8 (35)	1 7/8 (48)	1 3/8 (35)	2 1/8 (54)	1 3/8 (35)	2 1/4 (57)	MAX	2 3/8 (60)	2 3/4 (70)	2 3/8 (60)	3 (76)	2 3/8 (60)	3 1/8 (79)	<p><b>FUNCTION:</b> Shower room drain set at wall and floor junction. Vertical grate openings prevent drain stoppage should flat surface become covered.</p> <p><b>MATERIALS:</b> Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>SUFFIX</th> <th>B</th> <th>C</th> <th>D</th> <th>X</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>MIN MAX</td> </tr> <tr> <td>-V</td> <td>3 1/2 (89)</td> <td>3 1/2 (89)</td> <td>4 1/2 (115)</td> <td>1 5/8 (41) 2 5/8 (67)</td> </tr> <tr> <td>-W</td> <td>6 3/4 (170)</td> <td>6 3/4 (170)</td> <td>6 1/2 (165)</td> <td>1 5/8 (41) 2 5/8 (67)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: VPB, WNB</p>				SUFFIX	B	C	D	X					MIN MAX	-V	3 1/2 (89)	3 1/2 (89)	4 1/2 (115)	1 5/8 (41) 2 5/8 (67)	-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41) 2 5/8 (67)
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EXTENSION ADAPTOR		OVERFLOW WITH STANDPIPE		HEAVY DUTY ADJUSTABLE																																																																														
<p><b>FUNCTION:</b> Used when a strainer head must be raised to accommodate deeper floor fill.</p> <p><b>REGULARLY FURNISHED:</b> Ducto Cast Iron -CI</p> <p><b>MATERIALS:</b> Cast Bronze -CB Galvanized Cast Iron -G</p>  <p><b>NOTE:</b> Extension can be stacked for increased maximum adjustment.</p> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: X06PB</p>		<p><b>FUNCTION:</b> Used as overflow drain in decorative pools, fish ponds or similar areas. Dome prevents floating objects from entering drain line.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Nickel Bronze -NB Polished Bronze -PB</p> <p><b>VARIATIONS:</b> Less Dome -LD Standpipe Height other than 6" (150) (Specify Height)</p>  <table border="1" style="width: 100%; font-size: 0.7em;"> <tr> <th>SUFFIX</th> <th>A SIZE</th> <th>MIN</th> <th>MAX</th> </tr> <tr> <td>-Y</td> <td>2 (51)</td> <td>3/4 (19)</td> <td>2 1/8 (54)</td> </tr> <tr> <td>-Z</td> <td>3 (76)</td> <td>3/4 (19)</td> <td>2 1/8 (54)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: YCP, ZCP</p>		SUFFIX	A SIZE	MIN	MAX	-Y	2 (51)	3/4 (19)	2 1/8 (54)	-Z	3 (76)	3/4 (19)	2 1/8 (54)	<p><b>FUNCTION:</b> Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.</p> <p><b>MATERIALS:</b> Polished Bronze -PB Rough Bronze -RB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -69V) Sediment Bucket -B Vandal Proof Screws -U</p>  <p style="text-align: right;">Specify Type, Size &amp; Finish eg: A06NB-69</p>																																																																		
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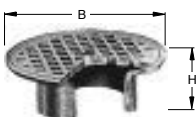
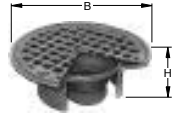
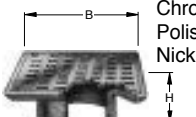

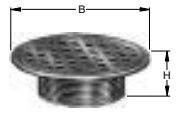

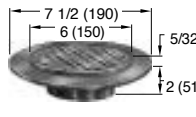
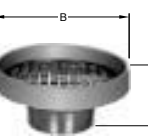
S2005D07CIBP050 SMITH

FD2:  
SMITH FLOOR DRAIN 24"






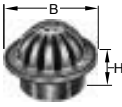

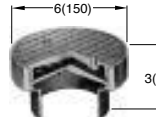
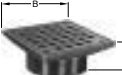

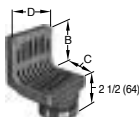
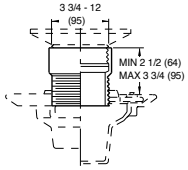
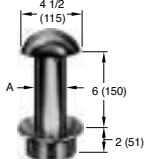

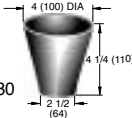
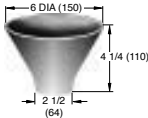
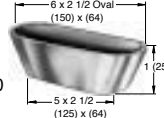
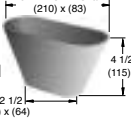
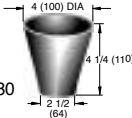
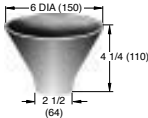
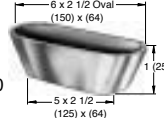
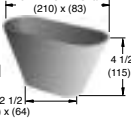
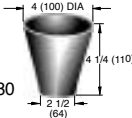
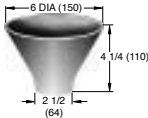
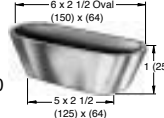
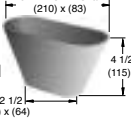
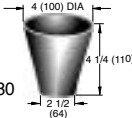
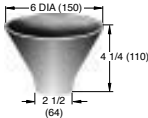
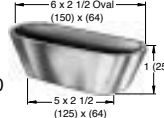
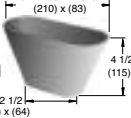
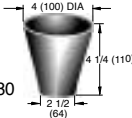
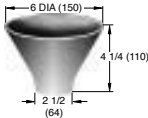
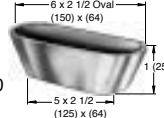
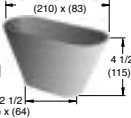
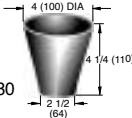
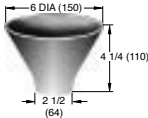
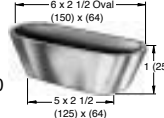
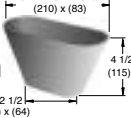
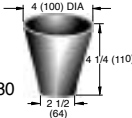
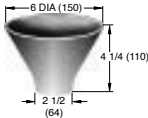
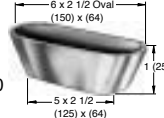
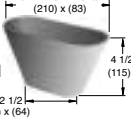
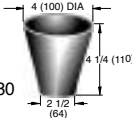
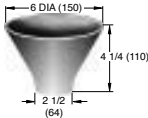
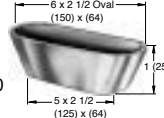
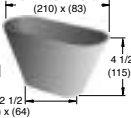
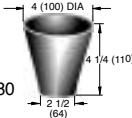
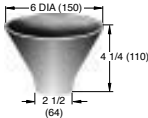
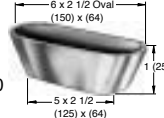
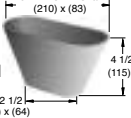
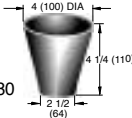
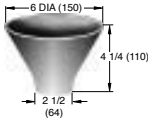
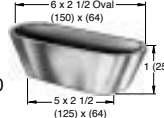
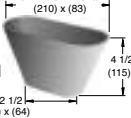
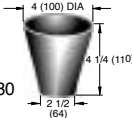
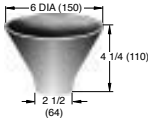
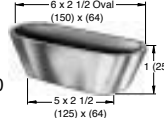
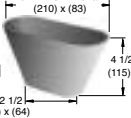
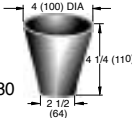
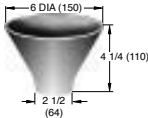
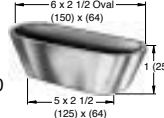
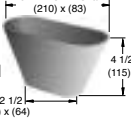
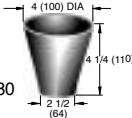
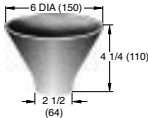
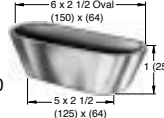
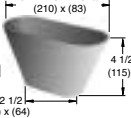
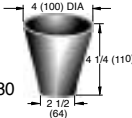
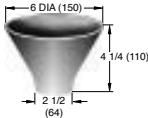
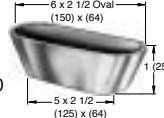
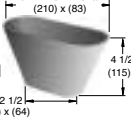
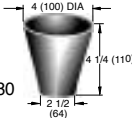
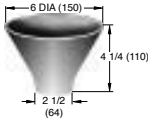
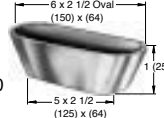
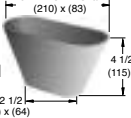
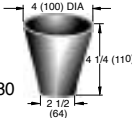
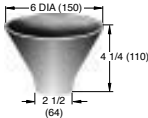
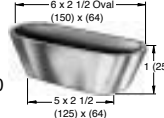
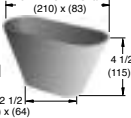
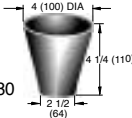
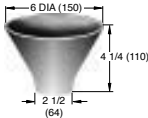
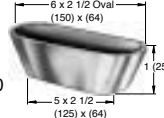
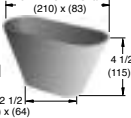
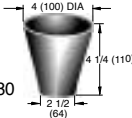
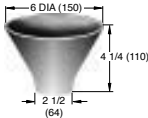
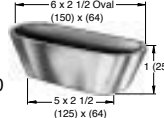
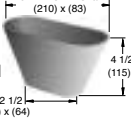
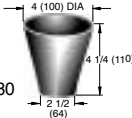
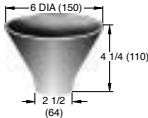
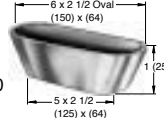
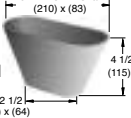
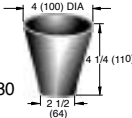
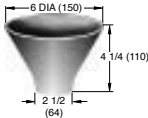
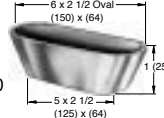
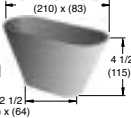
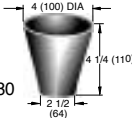
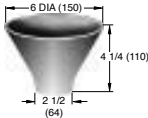
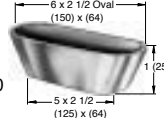
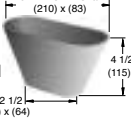
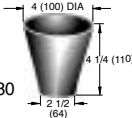
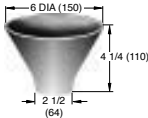
<b>FIGURE NUMBER</b>	<b>2005</b>	<b>DRAWN BY: PJ</b>	<b>CHECKED BY: TD</b>	<b>APPROVED BY: TD</b>	<b>DATE: 5-17-85</b>	<b>SCALE: NONE</b>	<b>SIZE A</b>	<b>DRAWING NUMBER S2005</b>	<b>S</b>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> <b>SMITH® JAY R. SMITH MFG. CO.®</b>  <small>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</small> </div> <div style="text-align: center;">   <small>MEMBER OF:</small> </div> <div style="text-align: right;">   <small>INSTITUTE</small> </div> </div> <div style="text-align: right; border: 1px solid black; padding: 5px; margin-top: 5px;">LOCATION</div>																																																														
									<h2 style="margin: 0;">FLOOR OR SHOWER DRAINS</h2> <h3 style="margin: 0;">WITH ADJUSTABLE STRAINER HEADS</h3>																																																															
									<p><b>FUNCTION:</b> General service floor drain for use in showers, toilets, kitchens and other finished areas where foot traffic is expected. The round top strainer head is used for all types of poured finished floors. The square top is particularly adaptable to floors that are finished in material of square or straight line pattern. Reversible flashing collar permits adjustment of the strainer to meet finished floor level.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div>																																																															
									<p style="text-align: center;">A (Pipe Size) = 02(50), 03(75), 04(100), 05(125) or 06(150)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p style="text-align: center;"><b>NO-HUB OUTLET</b></p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> Fig. 2005Y.....(A) ROUND TOP         </div> <div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> Fig. 2005Y.....(B) SQUARE TOP         </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Outlet Size</th> <th>Nickel Bronze Strainer Head</th> </tr> </thead> <tbody> <tr> <td>▲ 02(50)</td> <td>05(125) DIA or SQ</td> </tr> <tr> <td>▲ 03(75)</td> <td>06(150) DIA or SQ</td> </tr> <tr> <td>▲ 04(100)</td> <td>08(205) DIA or SQ</td> </tr> </tbody> </table> <p>▼ 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.</p> </div> <div style="width: 48%;"> <p style="text-align: center;"><b>SPEEDI-SET OUTLET</b></p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> Fig. 2005L.....(A) ROUND TOP         </div> <div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> Fig. 2005L.....(B) SQUARE TOP         </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Strainer Size B DIA or SQ</th> <th colspan="2">*Collar In High Position X</th> <th colspan="2">*Collar In Low Position XX</th> <th colspan="2">Free Area SQ IN (SQ CM)</th> </tr> <tr> <th>MIN</th> <th>MAX</th> <th>MIN</th> <th>MAX</th> <th>ROUND</th> <th>SQUARE</th> </tr> </thead> <tbody> <tr> <td>05 (125)</td> <td>1 1/4(32)</td> <td>2 1/4(57)</td> <td>3/4(19)</td> <td>1 5/8(41)</td> <td>7(45)</td> <td>6.5(42)</td> </tr> <tr> <td>06 (150)</td> <td>1 1/4(32)</td> <td>2 1/4(57)</td> <td>3/4(19)</td> <td>1 5/8(41)</td> <td>9(58)</td> <td>12.5(81)</td> </tr> <tr> <td>07 (180)</td> <td>1 1/4(32)</td> <td>2 1/4(57)</td> <td>7/8(22)</td> <td>1 7/8(48)</td> <td>14(90)</td> <td>11(71)</td> </tr> <tr> <td>08 (205)</td> <td>1 1/2(38)</td> <td>2 1/2(64)</td> <td>1(25)</td> <td>1 7/8(48)</td> <td>17(110)</td> <td>14(90)</td> </tr> <tr> <td>*09 (230)</td> <td>1 1/2(38)</td> <td>2 3/8(60)</td> <td>1(25)</td> <td>1 7/8(48)</td> <td>18(116)</td> <td>16(103)</td> </tr> <tr> <td>*10 (255)</td> <td>1 1/2(38)</td> <td>2 3/8(60)</td> <td>1(25)</td> <td>1 7/8(48)</td> <td>23(48)</td> <td>16(103)</td> </tr> </tbody> </table> </div> </div>										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 DIA or SQ	*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)
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<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><b>REGULARLY FURNISHED:</b>            Duco Cast Iron Body with Flashing Collar and Adjustable Strainer Head as Indicated by Suffix Letter Selected.</p> </div> <div style="width: 35%;"> <p><b>VARIATIONS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Flapper Type Backwater Valve -V</li> <li><input type="checkbox"/> Hinged Grate -H</li> <li><input type="checkbox"/> L Speedi-Set Service Weight 2(50), 3(75) &amp; 4"(100) only</li> <li><input type="checkbox"/> LXH Speedi-Set Extra Heavy 2(50), 3(75) &amp; 4"(100) only</li> <li><input checked="" type="checkbox"/> Sediment Bucket -B</li> <li><input type="checkbox"/> Trap Primer Connection -P050 1/2" (13) &amp; -P075 3/4" (19)</li> <li><input type="checkbox"/> Vandal Proof Screws -U</li> <li><input type="checkbox"/> Wide Flanged Strainer (Specify Fig. DX2005)</li> <li><input type="checkbox"/> T Threaded Outlet</li> <li><input type="checkbox"/> Heelproof Grate -HP -AHP (Round) or -BHP (Square)</li> <li><input type="checkbox"/> Quad Close Trap Seal (Specify Fig. 2692)</li> </ul> </div> <div style="width: 30%;"> <p><b>OPTIONAL MATERIALS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Bronze Body -BB</li> <li><input type="checkbox"/> Chrome Plated Strainer -CP</li> <li><input type="checkbox"/> Galvanized Cast Iron Body -G</li> <li><input type="checkbox"/> Nickel Bronze Strainer -NB</li> <li><input type="checkbox"/> Polished Bronze Strainer -PB</li> <li><input type="checkbox"/> All Stainless Steel (Specify Fig. 9700)</li> <li><input type="checkbox"/> Stainless Steel Strainers -SS [Available in 05(125) &amp; 06(150) sizes only]</li> </ul> </div> </div> <p style="text-align: right; margin-top: 10px;"><b>SEE PM0457 FOR OPTIONAL STRAINER HEADS.</b></p>																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">S</td> <td style="width: 10%; text-align: center;">11-3-16</td> <td style="width: 30%; text-align: center;">Revised Optional Materials</td> <td style="width: 10%; text-align: center;">TBW</td> <td style="width: 10%; text-align: center;">CL</td> <td style="width: 10%; text-align: center;">WEIGHT POUNDS</td> <td style="width: 10%; text-align: center;">VOLUME CUBIC FEET</td> <td style="width: 10%; text-align: center;">FIGURE NUMBER</td> </tr> <tr> <td style="text-align: center;">R</td> <td style="text-align: center;">6-10-15</td> <td style="text-align: center;">Revised Variations</td> <td style="text-align: center;">TBW</td> <td style="text-align: center;">CL</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">Q</td> <td style="text-align: center;">11-18-11</td> <td style="text-align: center;">Rev. Dwg., Var.</td> <td style="text-align: center;">TBW</td> <td style="text-align: center;">CR</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">P</td> <td style="text-align: center;">11-20-09</td> <td style="text-align: center;">Revised Variations</td> <td style="text-align: center;">RN</td> <td style="text-align: center;">BW</td> <td></td> <td></td> <td style="text-align: center; font-size: 2em;"><b>2005</b></td> </tr> <tr> <td style="text-align: center;">REV.</td> <td style="text-align: center;">DATE</td> <td style="text-align: center;">DESCRIPTION</td> <td style="text-align: center;">BY</td> <td style="text-align: center;">CKD. BY</td> <td></td> <td></td> <td></td> </tr> </table>										S	11-3-16	Revised Optional Materials	TBW	CL	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER	R	6-10-15	Revised Variations	TBW	CL				Q	11-18-11	Rev. Dwg., Var.	TBW	CR				P	11-20-09	Revised Variations	RN	BW			<b>2005</b>	REV.	DATE	DESCRIPTION	BY	CKD. BY																										
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<b>H</b>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>SMITH® JAY R. SMITH MFG. CO.®</b>          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</p> </div> <div style="text-align: center;">  <p>MEMBER OF:</p> </div> <div style="text-align: center;">  <p>MEMBER OF:</p> </div> <div style="text-align: center;">  </div> </div>					<b>LOCATION</b>  <div style="border: 1px solid black; height: 40px; width: 100%;"></div>																																															
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DRAWING NUMBER <b>PM0457 SH 1 of 2</b>	SIZE <b>A</b>	SCALE <b>NONE</b>	ROUND STRAINER			FLAPPER TYPE BACKWATER VALVE																																															
			 <div style="display: flex; justify-content: space-between;"> <div> <b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB            Stainless Steel            Strainers -SS [Available in 05(125) &amp; 06(150) sizes only]         </div> <div> <b>VARIATIONS:</b>            *Hinged Grate (Specify Suffix -AH)            Sediment Bucket -B            Vandal Proof Screws -U         </div> </div> <table border="1" style="width:100%; font-size: 0.8em;"> <tr><th>B DIA</th><th>05 (125)</th><th>06 (150)</th><th>07 (180)</th><th>08 (205)</th><th>09 (230)</th><th>10 (255)</th></tr> <tr><td>H</td><td>2 (51)</td><td>2 (51)</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td><td>2 1/2 (64)</td><td>2 3/4 (70)</td></tr> <tr><td>X MIN</td><td>1 1/4 (32)</td><td>1 1/4 (32)</td><td>1 1/4 (32)</td><td>1 1/2 (38)</td><td>1 1/2 (38)</td><td>1 1/2 (38)</td></tr> <tr><td>X MAX</td><td>2 1/4 (57)</td><td>2 1/4 (57)</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td><td>2 1/2 (64)</td><td>2 3/4 (70)</td></tr> </table> <p style="text-align: center;">Specify Type, Size &amp; Finish eg: A05NB *Not available for 05" (125) size</p>			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)	 <p><b>FUNCTION:</b> Provides backwater protection at point where protection is needed.</p> <div style="display: flex; justify-content: space-between;"> <div> <b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB         </div> <div> <b>VARIATIONS:</b>            *Hinged Grate (Specify Suffix -AH)            Vandal Proof Screws -U         </div> </div> <table border="1" style="width:100%; font-size: 0.8em;"> <tr><th>B DIA</th><th>05 (125)</th><th>06 (150)</th><th>07 (180)</th><th>08 (205)</th></tr> <tr><td>H</td><td>2 (51)</td><td>2 (51)</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td></tr> <tr><td>X MIN</td><td>1 1/4 (32)</td><td>1 1/4 (32)</td><td>1 1/4 (32)</td><td>1 1/2 (38)</td></tr> <tr><td>X MAX</td><td>2 1/4 (57)</td><td>2 1/4 (57)</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td></tr> </table> <p style="text-align: center;">Specify Type, Size &amp; Finish eg: AV05NB *Not available for 05" (125) size</p>			B DIA	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)
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DRAWN BY: <b>PJ</b>	2010 SERIES OPTIONAL STRAINER HEADS	REINFORCED ROUND STRAINER			REINFORCED TRACTOR STRAINER																																																
		<p><b>FUNCTION:</b> Used in finished floors where light wheeled loads are anticipated.</p>  <div style="display: flex; justify-content: space-between;"> <div> <b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB         </div> <div> <b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -CV)            Sediment Bucket -B            Vandal Proof Screws -U         </div> </div> <table border="1" style="width:100%; font-size: 0.8em;"> <tr><th>B DIA</th><th>05 (125)</th><th>06 (150)</th><th>08 (205)</th><th>10 (255)</th></tr> <tr><td>H</td><td>2 (51)</td><td>2 (51)</td><td>2 1/2 (64)</td><td>2 3/4 (70)</td></tr> <tr><td>MIN</td><td>1 1/4 (32)</td><td>1 1/4 (32)</td><td>1 1/2 (38)</td><td>1 7/8 (48)</td></tr> <tr><td>MAX</td><td>2 1/4 (57)</td><td>2 1/4 (57)</td><td>2 1/2 (64)</td><td>2 3/4 (70)</td></tr> </table> <p style="text-align: center;">Specify Type, Size &amp; Finish eg: C06NB</p>			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)	<p><b>FUNCTION:</b> Used in finished floors where medium weight wheeled loads are anticipated and loose set non-tilt tractor grate is desired.</p>  <div style="display: flex; justify-content: space-between;"> <div> <b>MATERIALS:</b>            Cast Iron -CI            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB         </div> <div> <b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -DV or -EV)            Sediment Bucket -B            Vandal Proof Screws -U         </div> </div> <table border="1" style="width:100%; font-size: 0.8em;"> <tr><th>SUFFIX</th><th>B DIA</th><th>H</th><th colspan="2">X</th></tr> <tr><td>-D</td><td>07 (180)</td><td>3 1/4 (83)</td><td>2 5/8 (67)</td><td>3 1/2 (89)</td></tr> <tr><td>-E</td><td>09 (230)</td><td>3 1/2 (89)</td><td>2 3/4 (70)</td><td>3 1/2 (89)</td></tr> </table> <p style="text-align: center;">Specify Type, Size &amp; Finish eg: D09PB E09PB</p>			SUFFIX	B DIA	H	X		-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)											
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FIGURE NUMBER	REV.	DATE	TILE FLANGE			ADJUSTABLE STRAINER HEAD																																															
			<p><b>FUNCTION:</b> Provides integral flange set 5/32" (4) below rim to receive floor covering. Flange may have option of tapped holes for securing pan and gasket.</p>  <div style="display: flex; justify-content: space-between;"> <div> <b>MATERIALS:</b>            Chrome Plated -CP            Polished Bronze -PB            Nickel Bronze -NB         </div> <div> <b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -FV)            Holes in Flange -SH            Sediment Bucket -B            Vandal Proof Screws -U         </div> </div> <table border="1" style="width:100%; font-size: 0.8em;"> <tr><th colspan="2">X</th></tr> <tr><td>MIN</td><td>MAX</td></tr> <tr><td>1 1/4 (32)</td><td>2 1/8 (54)</td></tr> </table> <p style="text-align: center;">Specify Type, Size &amp; Finish eg: F06NB</p>			X		MIN	MAX	1 1/4 (32)	2 1/8 (54)	<p><b>FUNCTION:</b> Used in a non-traffic area when a funnel type strainer head is required and space does not allow use of the 3500 series funnel. The extended rim allows use as an anti-flood and anti-splash drip pan.</p>  <div style="display: flex; justify-content: space-between;"> <div> <b>VARIATIONS:</b>            Flapper Type Backwater Valve (Specify Suffix -F37V or F38V)         </div> <div> <b>MATERIALS:</b>            Cast Iron -CI            Chrome Plated -CP            Galvanized Cast Iron -G            Polished Bronze -PB            Nickel Bronze -NB         </div> </div> <table border="1" style="width:100%; font-size: 0.8em;"> <tr><th>SUFFIX</th><th>-F37</th><th>-F38</th></tr> <tr><td>B DIA</td><td>07 (180)</td><td>09 (230)</td></tr> <tr><td>H</td><td>3 1/4 (83)</td><td>3 1/2 (89)</td></tr> <tr><td>MIN</td><td>2 5/8 (67)</td><td>2 3/4 (70)</td></tr> <tr><td>X MAX</td><td>3 1/2 (89)</td><td>3 1/2 (89)</td></tr> </table> <p style="text-align: center;">Specify Type, Size &amp; Finish eg: F37NB F38CP</p>			SUFFIX	-F37	-F38	B DIA	07 (180)	09 (230)	H	3 1/4 (83)	3 1/2 (89)	MIN	2 5/8 (67)	2 3/4 (70)	X MAX	3 1/2 (89)	3 1/2 (89)																								
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NOTE: Dimensions shown in parentheses are in millimeters.



<b>J</b>	<b>SMITH® JAY R. SMITH MFG. CO.®</b> 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:	 MEMBER OF:	 MEMBER OF:	<b>LOCATION</b>																																																																											
<b>PM0457 SH 2 of 2</b>	<b>A</b>	<b>NONE</b>	<b>5-17-85</b>	<b>TD</b>	<b>TD</b>																																																																											
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<b>LOW DOME STRAINER</b>		<b>SOLID HINGED COVER</b>		<b>SPANNER WRENCH COVER</b>																																																																												
<p><b>FUNCTION:</b> Used in gutters and recessed areas where excessive debris build-up is expected. Dome insures drainage even when partly covered.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -GV) Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: G08PB</p>		B DIA	05 (125)	06 (150)	08 (205)	H	2 (51)	2 (51)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Used in areas where intermittent drain use is required. Solid cover prevents intrusion of chips, saw-dust, etc., which are swept up before cover is opened for washdown. The secondary strainer prevents debris from entering the waste line.</p> <p><b>MATERIALS:</b> Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -GV) Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>B DIA</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: H05CP</p>		B DIA	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Solid gas tight, vandal proof, threaded cover for areas where intermittent drain use is required.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -JV) Sediment Bucket -B</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th colspan="2">X</th> </tr> <tr> <th>MIN</th> <th>MAX</th> </tr> <tr> <td>2 (51)</td> <td>3 (76)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: J06NB</p>		X		MIN	MAX	2 (51)	3 (76)																																	
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<p><b>FUNCTION:</b> Used in finished floors where some light wheeled traffic is anticipated.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -KV) Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>B SQ</th> <th>05 (125)</th> <th>06 (150)</th> <th>07 (180)</th> <th>08 (205)</th> </tr> <tr> <td>H</td> <td>2 (51)</td> <td>2 (51)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> <tr> <td>MIN</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/4 (32)</td> <td>1 1/2 (38)</td> </tr> <tr> <td>MAX</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: K07CP</p>		B SQ	05 (125)	06 (150)	07 (180)	08 (205)	H	2 (51)	2 (51)	2 1/4 (57)	2 1/2 (64)	MIN	1 1/4 (32)	1 1/4 (32)	1 1/4 (32)	1 1/2 (38)	MAX	2 1/4 (57)	2 1/4 (57)	2 1/4 (57)	2 1/2 (64)	<p><b>FUNCTION:</b> Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Sediment Bucket -B Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>SUFFIX</th> <th>L</th> <th>M</th> <th>N</th> <th>P</th> <th>R</th> <th>T</th> </tr> <tr> <td>B x B</td> <td>4 1/2 (115) x 8 (205)</td> <td>4 (100) x 12 (305)</td> <td>5 (125) x 9 (230)</td> <td>5 (125) x 13 (330)</td> <td>6 (150) x 10 (255)</td> <td>5 (125) x 17 (430)</td> </tr> <tr> <td>H</td> <td>2 1/4 (57)</td> <td>2 1/2 (64)</td> <td>2 1/4 (57)</td> <td>3 (76)</td> <td>2 1/4 (57)</td> <td>3 (76)</td> </tr> <tr> <td>MIN</td> <td>1 3/8 (35)</td> <td>1 7/8 (48)</td> <td>1 3/8 (35)</td> <td>2 1/8 (54)</td> <td>1 3/8 (35)</td> <td>2 1/4 (57)</td> </tr> <tr> <td>MAX</td> <td>2 3/8 (60)</td> <td>2 3/4 (70)</td> <td>2 3/8 (60)</td> <td>3 (76)</td> <td>2 3/8 (60)</td> <td>3 1/8 (79)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: LNB</p>		SUFFIX	L	M	N	P	R	T	B x B	4 1/2 (115) x 8 (205)	4 (100) x 12 (305)	5 (125) x 9 (230)	5 (125) x 13 (330)	6 (150) x 10 (255)	5 (125) x 17 (430)	H	2 1/4 (57)	2 1/2 (64)	2 1/4 (57)	3 (76)	2 1/4 (57)	3 (76)	MIN	1 3/8 (35)	1 7/8 (48)	1 3/8 (35)	2 1/8 (54)	1 3/8 (35)	2 1/4 (57)	MAX	2 3/8 (60)	2 3/4 (70)	2 3/8 (60)	3 (76)	2 3/8 (60)	3 1/8 (79)	<p><b>FUNCTION:</b> Shower room drain set at wall and floor junction. Vertical grate openings prevent drain stoppage should flat surface become covered.</p> <p><b>MATERIALS:</b> Cast Iron -CI Chrome Plated -CP Polished Bronze -PB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Vandal Proof Screws -U</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>SUFFIX</th> <th>B</th> <th>C</th> <th>D</th> <th>X</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>MIN MAX</td> </tr> <tr> <td>-V</td> <td>3 1/2 (89)</td> <td>3 1/2 (89)</td> <td>4 1/2 (115)</td> <td>1 5/8 (41) 2 5/8 (67)</td> </tr> <tr> <td>-W</td> <td>6 3/4 (170)</td> <td>6 3/4 (170)</td> <td>6 1/2 (165)</td> <td>1 5/8 (41) 2 5/8 (67)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: VPB, WNB</p>		SUFFIX	B	C	D	X					MIN MAX	-V	3 1/2 (89)	3 1/2 (89)	4 1/2 (115)	1 5/8 (41) 2 5/8 (67)	-W	6 3/4 (170)	6 3/4 (170)	6 1/2 (165)	1 5/8 (41) 2 5/8 (67)
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<b>EXTENSION ADAPTOR</b>		<b>OVERFLOW WITH STANDPIPE</b>		<b>HEAVY DUTY ADJUSTABLE</b>																																																																												
<p><b>FUNCTION:</b> Used when a strainer head must be raised to accommodate deeper floor fill.</p> <p><b>REGULARLY FURNISHED:</b> Ducto Cast Iron -CI</p> <p><b>MATERIALS:</b> Cast Bronze -CB Galvanized Cast Iron -G</p>  <p><b>NOTE:</b> Extension can be stacked for increased maximum adjustment.</p> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: X06PB</p>		<p><b>FUNCTION:</b> Used as overflow drain in decorative pools, fish ponds or similar areas. Dome prevents floating objects from entering drain line.</p> <p><b>MATERIALS:</b> Chrome Plated -CP Nickel Bronze -NB Polished Bronze -PB</p> <p><b>VARIATIONS:</b> Less Dome -LD Standpipe Height other than 6" (150) (Specify Height)</p>  <table border="1" style="width: 100%; font-size: small;"> <tr> <th>SUFFIX</th> <th>A SIZE</th> <th>MIN</th> <th>MAX</th> </tr> <tr> <td>-Y</td> <td>2 (51)</td> <td>3/4 (19)</td> <td>2 1/8 (54)</td> </tr> <tr> <td>-Z</td> <td>3 (76)</td> <td>3/4 (19)</td> <td>2 1/8 (54)</td> </tr> </table> <p style="text-align: right;">Specify Type, Size &amp; Finish eg: YCP, ZCP</p>		SUFFIX	A SIZE	MIN	MAX	-Y	2 (51)	3/4 (19)	2 1/8 (54)	-Z	3 (76)	3/4 (19)	2 1/8 (54)	<p><b>FUNCTION:</b> Used in finished floors where light wheeled loads and or heavy foot traffic are anticipated.</p> <p><b>MATERIALS:</b> Polished Bronze -PB Rough Bronze -RB Nickel Bronze -NB</p> <p><b>VARIATIONS:</b> Flapper Type Backwater Valve (Specify Suffix -69V) Sediment Bucket -B Vandal Proof Screws -U</p>  <p style="text-align: right;">Specify Type, Size &amp; Finish eg: A06NB-69</p>																																																																
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S3150UP050

SMITH

FS:  
SMITH FLOOR SINK



[illegible]





REC97041

RECTORSEAL

TRAP GUARD:  
SURESEAL 2 TRAP SEAL





# The Green Solution

## Inline 2" Floor Drain Trap Sealer

### Model SS2009V

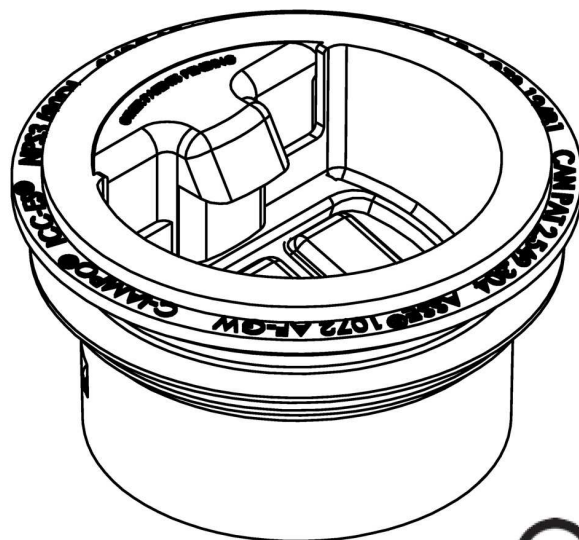
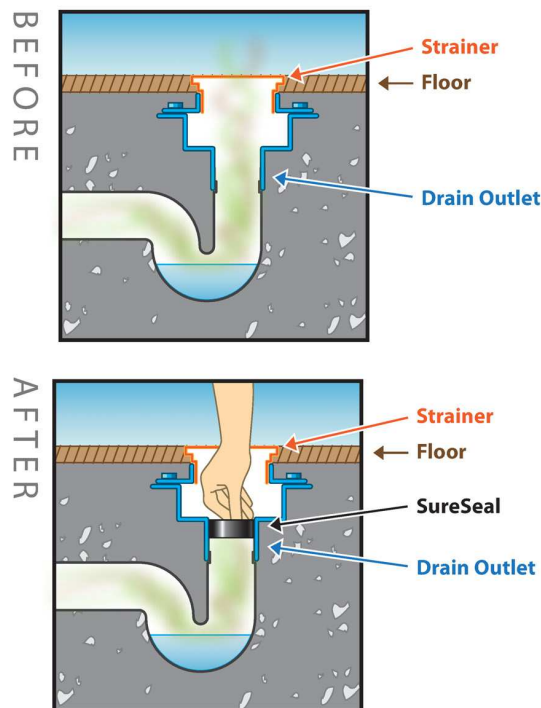


**Specification:** SureSeal Model SS2009V 2" Inline Floor Drain Trap Seal. Commercial grade UV and Ozone resistant ABS plastic housing with proprietary EPDM rubber diaphragm and soft rubber sealing gasket. Floor rating ASSE – 1072 AF-GW.

**Function:** Installed into the outlet of drain bodies, drain strainers, or drain hubs to protect the trap seal from evaporation. Creates a physical barrier that blocks sewer gases and their odors from escaping. Provides waterless trap seal protection equivalent to water based trap primers.

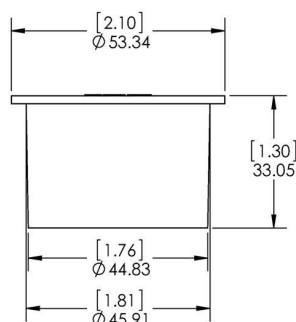
- **New Construction:** Used as a trap primer replacement or in conjunction with a trap primer to provide protection against escaping sewer gases. Eliminates the need to repair/replace trap primers when they fail.
- **Retrofit:** Used in situations where trap primers have failed or where trap primers were never installed.

**Benefits:** Simple to install, eliminates the need for complex, time consuming, and expensive repairs. ECO friendly providing 100% water savings efficiency over traditional methods.

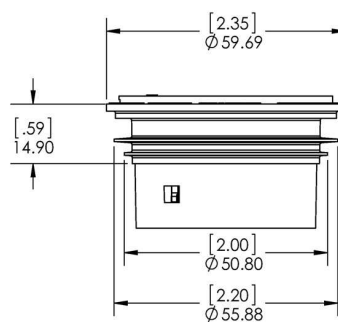


ICC-ES Listed: PMG-1070 IAPMO Listed: C-4165

Patents Pending



HOUSING (NO GASKET)



HOUSING & GASKET







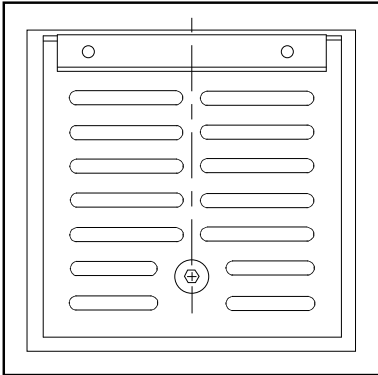
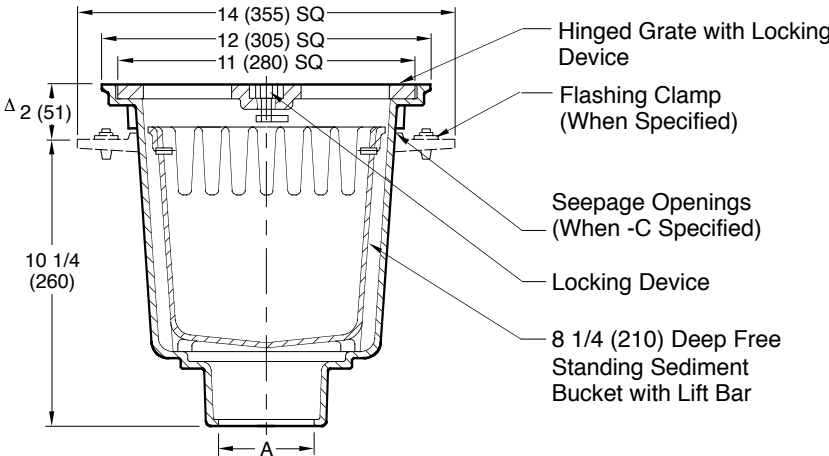


S2415C04

SMITH

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<b>G</b>	 <b>JAY R. SMITH MFG. CO.</b> 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					<b>LOCATION</b> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>									
	  														
	<h1 style="margin: 0;">TRAFFIC FLOOR DRAINS</h1>														
	<h2 style="margin: 0;">SQUARE TOP DRAINS WITH FREE STANDING SEDIMENT BUCKET</h2>														
<p><b>FUNCTION:</b> Used in boiler rooms, industrial plants, and other applicable areas where waste water contains debris or salvageable materials which must be intercepted. Large hinged grate permits easy access for bucket removal.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 20px;"> <div style="text-align: center;"> <p>Free Area 27 SQ IN (174) SQ CM</p> </div> <div style="text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 20px;"> <div style="text-align: center;"> <p>Δ 2 (51)</p> <p>10 1/4 (260)</p> <p>A</p> </div> <div style="text-align: center;">  </div> </div> <p style="text-align: center; margin-top: 10px;">A (Pipe Size) = 03(75), 04(100), 05(125) or 06(150)</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 30%;"> <p>Δ add 3/16" (5) when bronze top is specified.</p> <p><b>REGULARLY FURNISHED:</b> Duco Cast Iron Body with Hinged Grate, Locking Device and Sediment Bucket.</p> </div> <div style="width: 30%;"> <p><b>VARIATIONS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Flashing Clamp -C (Fig. 2415 only)</li> <li><input type="checkbox"/> Loose Set Grate -LSG</li> <li><input type="checkbox"/> Vandal Proof Grate -U</li> <li><input type="checkbox"/> L Speedi-Set Service Weight 02(50), 03(75) &amp; 04"(100) Sizes only</li> <li><input type="checkbox"/> LXH Speedi-Set Extra Heavy 02(50), 03(75) &amp; 04"(100) Sizes only</li> <li><input type="checkbox"/> Quad Close Trap Seal (Specify Fig. 2692)</li> </ul> </div> <div style="width: 30%;"> <p><b>OPTIONAL MATERIALS:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Ductile Iron Grate -M</li> <li><input type="checkbox"/> Galvanized Cast Iron -G</li> <li><input type="checkbox"/> Nickel Bronze Top -NB</li> <li><input type="checkbox"/> Polished Bronze Top -PB</li> </ul> </div> </div> <div style="text-align: right; margin-top: 10px;"> <p><b>NOTE:</b> Dimensions shown in parentheses are in millimeters.</p> </div>															
<b>FIGURE NUMBER</b>	<h1 style="margin: 0;">2410, 2415</h1>					<b>WEIGHT POUNDS</b>		<b>VOLUME CUBIC FEET</b>		<b>FIGURE NUMBER</b> <h1 style="margin: 0;">2410, 2415</h1>					
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">G F E D</td> <td style="width: 15%;">           6-18-15            11-18-05            10-23-97            6-15-95         </td> <td style="width: 75%;">           Revised Variations            Revised Chart            Chg'd Var            Added Millimeters         </td> </tr> </table>					G F E D	6-18-15 11-18-05 10-23-97 6-15-95	Revised Variations Revised Chart Chg'd Var Added Millimeters	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">           TBW RN EMB EMB         </td> <td style="width: 50%;">           CL CL BS BS         </td> </tr> </table>		TBW RN EMB EMB	CL CL BS BS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">BY</td> <td style="width: 50%;">CKD. BY</td> </tr> </table>		BY
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S177106RB

SMITH

DN1:

6 RB DOWNSPOUT NOZZLE





**JAY R. SMITH MFG. CO.®**  
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MONTGOMERY, ALABAMA 36109-0237 (USA)  
TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com



MEMBER OF:



LOCATION

# ROOF ACCESSORY

## DOWNSPOUT NOZZLE

**FUNCTION:** Used as a parapet overflow or at the base of a wall where a concealed leader discharges rainwater to ground. Nozzle design diverts water away from building, eliminating wall stains. Wall flange covers rough opening.

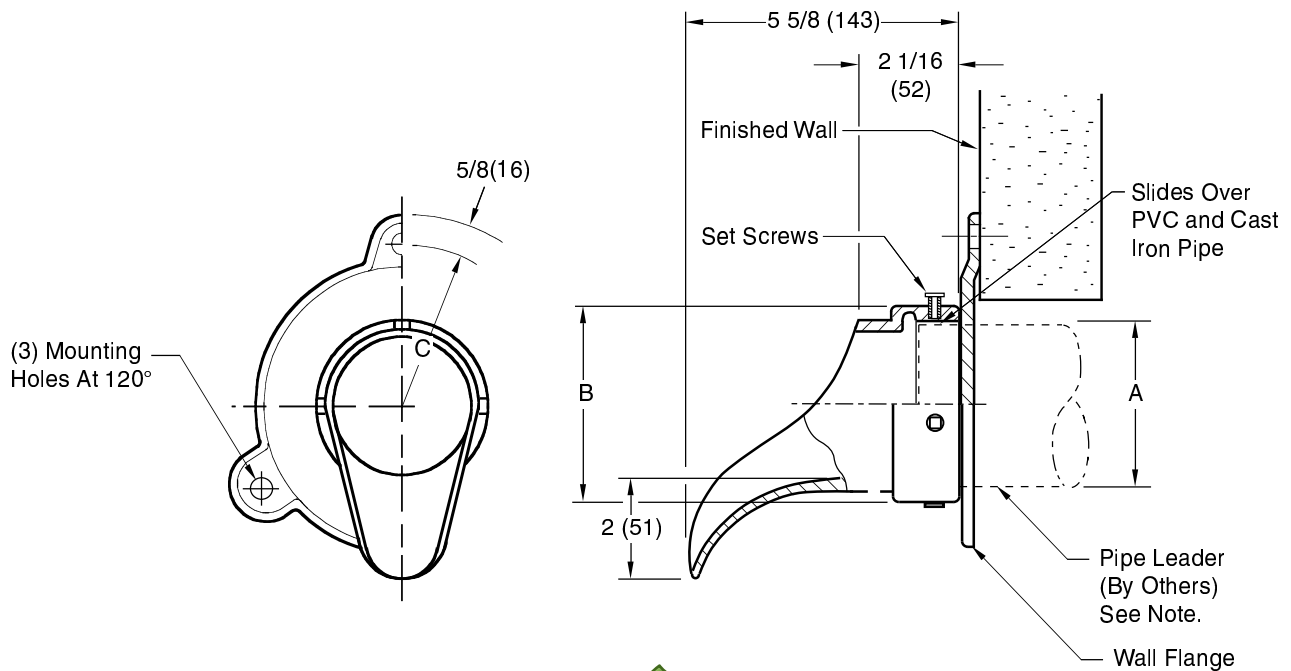


Fig. 1771

**NOTE:** Pipe (Leader) must extend past the face of the finished wall in order to install the wall flange and attach the downspout nozzle. Dimension shall be field determined by installer.

**NOTE:** Dimensions shown in parentheses are in millimeters.

A = Pipe Size	02 (50)	03 (75)	04 (100)	05 (125)	06 (150)	08 (200)	10 (250)	12 (305)
B = DIA	2 3/4 (70)	4 (100)	5 (125)	6 (150)	7 1/4 (185)	9 1/4 (235)	11 1/8 (283)	13 1/4 (335)
C = RAD	2 3/4 (70)	3 1/2 (89)	3 7/8 (98)	4 3/8 (111)	5 (125)	5 7/8 (149)	7 1/4 (185)	8 (205)

**REGULARLY FURNISHED:** Cast Bronze Nozzle and Flange, Machined Nozzle Slides Over PVC and Cast Iron Pipe.

**VARIATIONS:** Bird Screen-BS

**OPTIONAL MATERIALS:** Nickel Bronze -NB  
 Polished Bronze -PB

1771

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

REV.	DATE	DESCRIPTION	BY	CKD. BY

WEIGHT  
POUNDS

VOLUME  
CUBIC FEET

FIGURE NUMBER

1771





S5619SAP

SMITH

**HOSE BIBB:**

1/4 TURN HYD VAC BRKR DUAL CHK



<b>G</b>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 30%;"> <b>SMITH® JAY R. SMITH MFG. CO.®</b>  <small>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</small> </div> <div style="width: 20%; text-align: center;">   <small>MEMBER OF:</small> </div> <div style="width: 20%; text-align: center;">   <small>MEMBER OF:</small> </div> </div>					<b>LOCATION</b> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>																																			
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<p>Meets ANSI A112.21.3M Specifications          Complies w/ ASSE 1019-B,1052 and 1053.          IAPMO Listed- File #2749          Patent No. US 6,752,167</p>																																									
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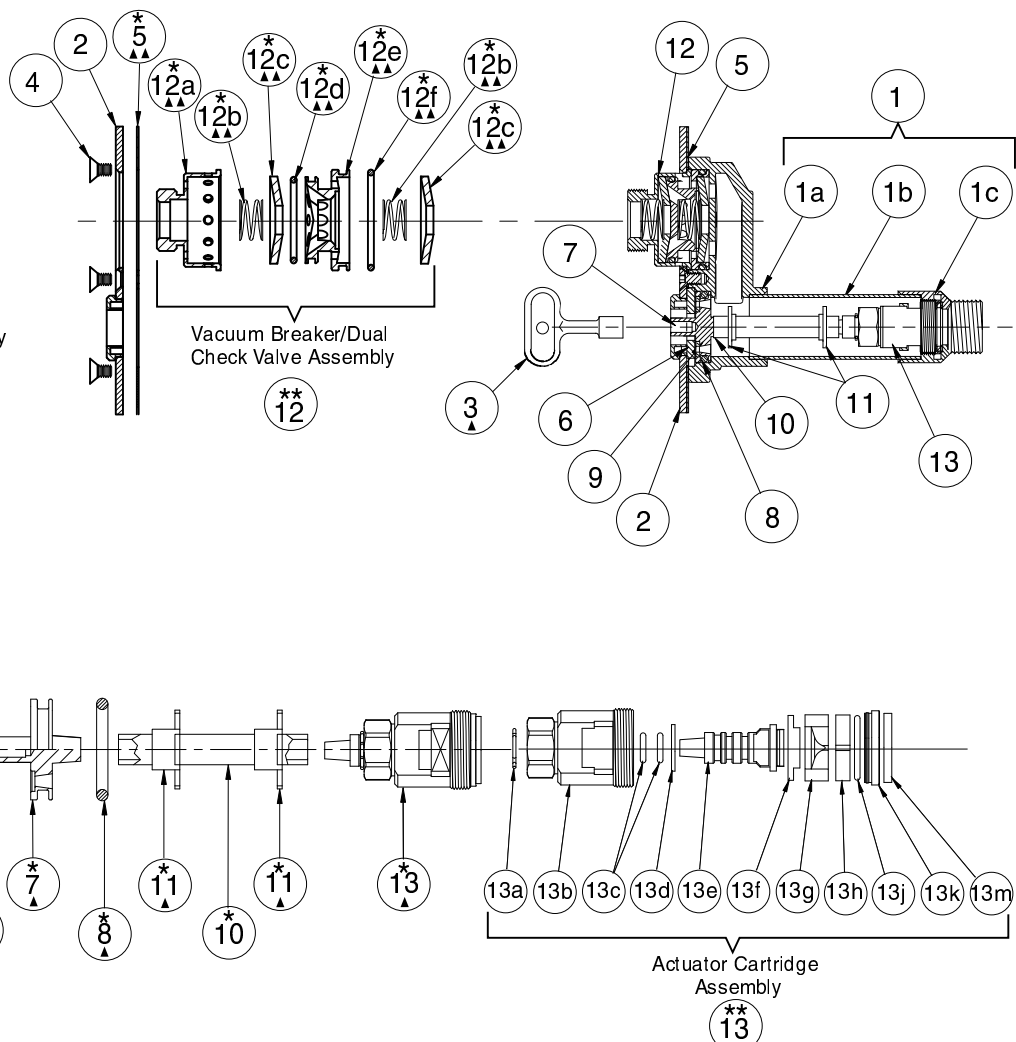


MEMBER OF:

LOCATION

# GUARDIAN DUAL CHECK HYDRANT PARTS LIST

- ▲ These Replacement Parts Available in HPRK-19
- ▲▲ These Replacement Parts Available in HPRK-19VB
- \* These Parts Accessible from Face of Hydrant by Removing Wall Plate Assembly.
- \*\* Parts supplied as an assembly only, see part 12 or 13.



HYDRANT PARTS LIST							
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	Casing Assembly	7	Moveable Operator Piece	12d	**Small O-Ring	13f	**Nylon Thrust Washer
1a	Head	8	Moveable Operator O-Ring	12e	**Flow Diverter	13g	**Rotating Ceramic Disc
1b	Casing	9	Drain Hole Seal (2)	12f	**Large O-Ring	13h	**Fixed Ceramic Disc
1c	Valve Housing	10	Operator Rod	13	Actuator Cartridge Assembly	13j	**O-Ring
2	Wall Plate Assembly	11	Operator Rod Guides (2)	13a	**Retaining Ring	13k	**O-Ring Gasket Retainer
3	Key	12	Vacuum Breaker/Dual Check Valve Assembly	13b	**Valve Body	13m	**Rubber Seal
4	Wall Plate Securing Screw (5)	12a	**Vacuum Breaker Housing	13c	**Actuator O-Ring (2)		
5	Wall Plate Gasket	12b	**Spring (2)	13d	**Nylon Thrust Spacer		
6	Stationary Operator Piece	12c	**Cone Washer (2)	13e	**Valve Actuator		

REV. DATE DESCRIPTION BY CKD. BY

WEIGHT  
POUNDS

VOLUME  
CUBIC FEET

FIGURE NUMBER

**5619BS**

DRAWING NUMBER

**5619BS**

SIZE

**A**

SCALE:

**NONE**

DATE:

**3-24-03**

APPROVED BY:

**CEL**

CHECKED BY:

**CL**

DRAWN BY:

**RN**

**5619BS**

FIGURE  
NUMBER





A172408FUBL

ACORN

EDF:

ACORN A172408FUBL WTR COOLER





# WATER COOLERS

## A172.8UBL Series

### MODEL A172108F-UBL-BF1

BARRIER FREE, WALL MOUNTED

UNIVERSAL BI-LEVEL WITH -BF1 PUSHBUTTON OPERATED BOTTLE FILLER

### STANDARD FEATURES

- Child or Adult ADA Compliant (when properly installed)
- Universal Bi-Level - Can be installed left high or right high with no additional parts
- Granite Powder Coated Apron and One-Piece Bottom Wrapper
- Flexible, Low Flow, Anti-Rotation, Non-Squirt Bubbler
- 100-Mesh Inlet Strainer
- Vandal Resistant Screws
- Hanging Bracket provided
- Auto-stop allows service of Cartridge and Strainer without shutting off Water Supply Stop
- Laminar Flow Water Supply
- 1 G.P.M. Fill Rate
- 100% Lead & Brass Free

### SUGGESTED SPECIFICATIONS

Model A172108F-UBL-BF1 is a Bi-Level, self-contained, pressurized Water Cooler that shall deliver a minimum of 8.0 GPH (30.3 LPH) of water at 50°F (10°C) cooled from 80°F (26.7°C) inlet water and 90°F (32.2°C) ambient. Units shall be activated from a Pushbutton in the front, using less than 5 pounds of force. Bubblers shall deliver a 0.3 GPM flow, have a Flexible Guard with an integrally designed non-squirt feature and operate on a water pressure range of 20-105 PSIG. Basins shall be constructed from 304 Stainless Steel and have an Integral Drain. Unit includes model BF1 Pushbutton Operated Bottle Filler. Water Cooler and Bottle Filler Cabinets shall be either Galvanized Steel with Granite Powder Coat or Stainless Steel. Cooling system shall use R-134a refrigerant and be Capillary Tube regulated. An Adjustable Thermostat with an "off" position shall regulate the refrigeration system. Both units shall be listed by Underwriters Laboratories for both the US and Canada and is compliant to the Air Conditioning and Refrigeration Institute Standard 1010. Unit is certified to ANSI A117.1, Public Law 111-380 (NO-LEAD), CHSC 116875 and NSF/ANSI 61, Section 9. Fixture meets ADA, ADA Standing Person, and ADA Child requirements when mounted appropriately.

Model Number	GPH*	Rated Watts	Full Load Amps	Approx. Shipping Weight
A172108F-UBL	8.0	335	4.4	56 lbs.

\* GPH of 50°F water at 90°F ambient room temperature and 80°F inlet water temperature  
Compressor motor operates on 115 Volt / 60 Hz single phase.



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Council



Recyclable  
Product



Water  
Conserving  
Product

Please visit [www.murdockmfg.com](http://www.murdockmfg.com)  
for most current specifications.



Model A172108F-UBL-BF1 Shown

\*\* U.S. DESIGN PATENT PENDING



**Maintenance Advantage™**  
Water Cooler by Acorn Engineering Company

"INDOOR USE ONLY"

### MODEL:

(Must Specify)

#### ✓ FLEXIBLE BUBBLER

- ☒ A172108F-UBL-BF1 Granite Finish (Shown)
- ☐ A172408F-UBL-BF1S Satin Stainless Finish

#### LEAD-FREE STAINLESS STEEL BUBBLER

- ☐ A172108S-UBL-BF1 Granite Finish
- ☐ A172408S-UBL-BF1S Satin Stainless Finish

### OPTIONS

(additional costs may be incurred)

- ☐ -CSC3 Concealed Support Carrier
- ☐ -GF1 Glass Filler with Lever Handle
- ☐ -SK5 Skirt Kit for upper unit
- ☐ -WF1 1500-gallon capacity, NSF 42+53, 1 micron Lead Reduction Filter
- ☐ -220V 220 volt / 50 Hz compressor

Complies with the following standards:  
CHSC 116875



NSF/ANSI 61



GREEN  
UPC  
Water Efficiency



Enforced  
Public Law  
111-380  
(No Lead)



(220V Compressor Only)



Test rating conditions are  
compliant with ARI 1010.

**MURDOCK MFG.** • 15125 Proctor Avenue • City of Industry, CA 91746 USA  
Phone 800-453-7465 or 626-333-2543 • Fax 626-855-4860 • [www.murdockmfg.com](http://www.murdockmfg.com)

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A172.8UBL-BF1

Revised: 10/23/17

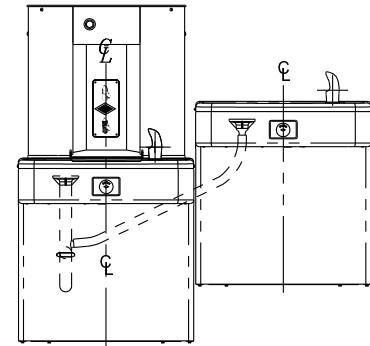
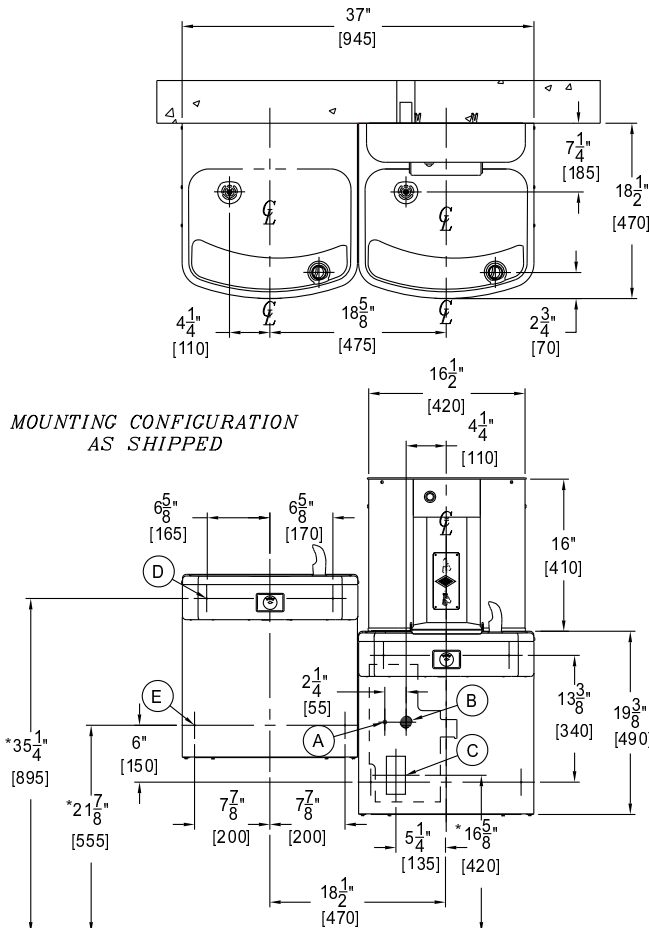




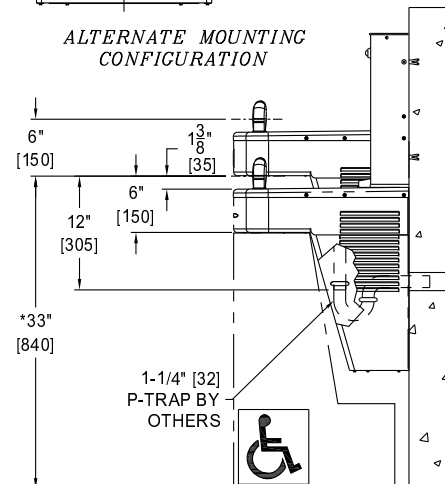
# WATER COOLERS

All dimensions are subject to manufactures tolerance of plus or minus 1/8" nominal and subject to change without notice. Murdock Mfg. assumes no responsibility for use of void or superseded data. Dimensions may change with the addition of optional accessories. Murdock Mfg.™, Member of Morris Group International™. Please visit [www.Murdockmfg.com](http://www.Murdockmfg.com) for most current specifications.

## A172.8 Series MODEL A172108F-UBL-BF1 BARRIER FREE, WALL MOUNTED BI-LEVEL WITH -BF1 PUSHBUTTON OPERATED BOTTLE FILLER



ALTERNATE MOUNTING  
CONFIGURATION



### GENERAL NOTES:

1. ALL DIMENSIONS ARE IN INCHES [MM]
2. ALLOW 4 INCHES [102 MM] MINIMUM CLEARANCE PER SIDE FOR VENTILATION
- \*3. DIMENSIONS SHOWN ARE FOR RECOMMENDED ADULT HEIGHT. ADJUST VERTICAL DIMENSIONS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, & LOCAL CODES.
4. STOP VALVE, P-TRAP, & ELECTRICAL OUTLET NOT SUPPLIED.
5. IMPORTANT: COOLERS MUST BE ATTACHED TO WALL WITH APPROPRIATE WALL ANCHOR SCREWS.

- A. 3/8" NCT SUPPLY INLET
- B. WASTE OUTLET FOR 1-1/4" P-TRAP BY OTHERS.
- C. ELECTRICAL SERVICE ROUGH.
- D. Ø3/8" HANGER BRACKET PUNCHING, 3 PLACES FOR ANCHORING HARDWARE BY OTHERS.
- E. Ø1/4" PUNCHING, 2 PLACES FOR ANCHORING HARDWARE BY OTHERS.

Murdock Mfg.™ warrants that its products are free from defects in material or workmanship under normal use and service for a period of one year from date of shipment. Murdock's liability under this warranty shall be discharged solely by replacement or repair of defective material, provided Murdock™ is notified in writing within one year from date of shipment, F.O.B. Industry, California.

### SELECTION SUMMARY & APPROVAL FOR MANUFACTURING

Model Number & Options \_\_\_\_\_ Quantity \_\_\_\_\_

Company \_\_\_\_\_

Contact \_\_\_\_\_ Title \_\_\_\_\_

Signature (Approval for Manufacturing) \_\_\_\_\_ Date \_\_\_\_\_

All dimensions are subject to manufactures tolerance of plus or minus 1/8" nominal and subject to change without notice. Murdock assumes no responsibility for use of void or superseded data. Dimensions may change with the addition of optional accessories. Murdock Mfg.™, Member of Morris Group International™. Please visit [www.murdockmfg.com](http://www.murdockmfg.com) for most current specification.

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**A172.8UBL-BF1**

Revised: 10/23/17





SP-B6050B5004

B&G

**HWCP1:**

E36V 6050B5004 1/2 ECOCIRC W/PLUG



JOB:		REPRESENTATIVE:	
UNIT TAG:	ORDER NO.	DATE:	
ENGINEER:	SUBMITTED BY:	DATE:	
CONTRACTOR:	APPROVED BY:	DATE:	



## Lead Free\*, Energy Efficient e<sup>3</sup> ecocirc Circulators for Potable Water Application



### Description

e<sup>3</sup> circulators are energy efficient circulators using permanent magnet, ECM (electronically commutated motor) technology. The e<sup>3</sup> circulators are designed specifically for potable water applications. These circulators are lead free\* and come with a variety of options including a temperature sensor, various body styles, assembled with electrical cord and plug, and more.

### Materials of Construction

Pump Body: Lead Free\* Brass  
 O-Ring: EPDM  
 Bearing: Carbon/Alumina Ceramic  
 Impeller: Noryl/PPO  
 Motor: High Efficiency ECM  
 All Other Wetted Parts: Type 316 Stainless Steel  
 Shaft-less, seal-less construction

### Operating Data

#### Pump

Maximum Working Pressure: 150 psi (10.3 Bar)  
 Maximum Working Temperature: 203°F (95°C)  
 Minimum Working Temperature: 50°F (10°C)

#### Motor

ECM Spherical Motor  
 100-140V 60HZ  
 5-28 Watts Power Consumption  
 Automatic Overload Protection  
 Low in-rush current

#### Adjustable Speed Switch (Models Without Temp Sensor)

Infinitely variable-speed switch to manually adjust motor speed.

#### Adjustable Temperature Sensor (Fixed Speed Only)

Adjustable Set Point from 68 to 158 °F (20° to 70°C)  
 Turns circulator OFF when water temperature reaches set point  
 Turns circulator ON when water temperature is 10 degrees F (6 degrees C) below set point

#### Connections

1/2" UltraCirc  
 1/2" Sweat  
 1/2" FNPT Threaded

\* CSA certified to NSF/ANSI 372 that contains less than 0.25% lead content by weighted average of wetted surfaces.

### Standard Features

#### Motor

Designed with a shaftless spherical motor with permanent magnet technology for improved efficiency.

#### Lead Free

All e<sup>3</sup> circulators are made from lead free\* construction

### Optional Features

#### Adjustable Speed Switch

This switch is only available on models without the internal temperature sensor. A stepless motor switch allows infinite motor speed variation.

#### Adjustable Temperature Sensor

This built-in temperature sensor is adjustable and will turn the circulators off when it reaches the set point and turn the circulators back on when the temperature is more than 10°F (6°C) below the set point. Only available on fixed-speed motors.

#### Body Types

UltraCirc: The UltraCirc comes with 1/2" union connections and has a built in air purger to remove unwanted air. The UltraCric also has a built in check and isolation valves for easy isolation and removal of motor housing.

Sweat: The e<sup>3</sup> circulators have the option of a 1/2" sweat connection.

Threaded: The e<sup>3</sup> circulators have the option of 1/2" female NPT.

#### Plug

e<sup>3</sup> circulators have the option to be pre-wired with a 6 ft. electrical plug. For fastest installation, install the circulators into the piping and simply plug the circulator into a standard outlet.

#### Timer Accessory

e<sup>3</sup> circulators can provide an even greater increase in energy savings when used in combination with the e<sup>3</sup>-Timer. The timer is easily installed by removing the motor end cap, plugging in the timer and setting the timer schedule.

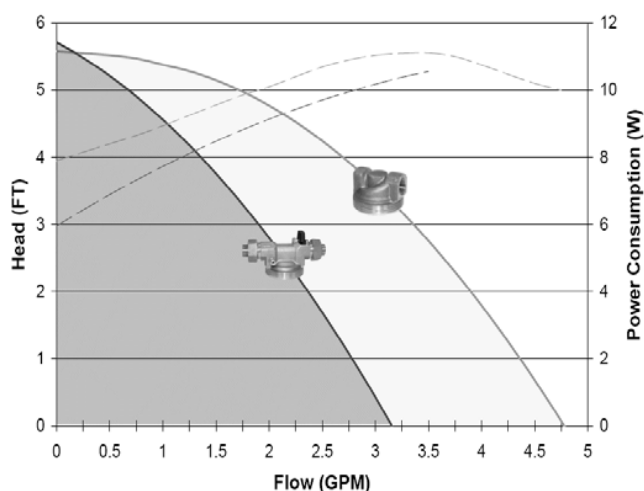


## Special Specifications

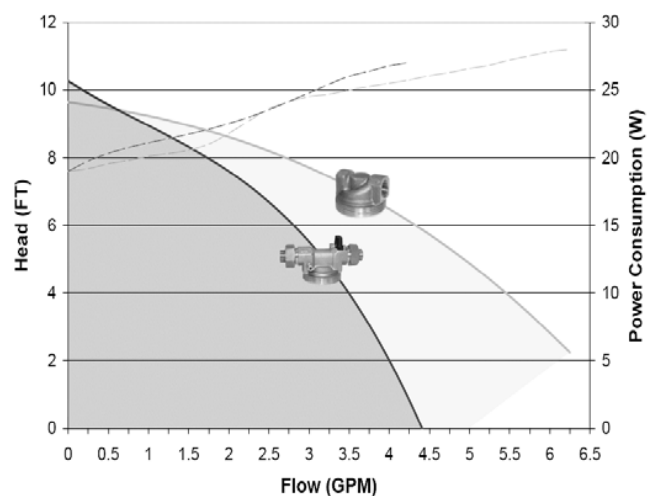
The contractor shall furnish and install in-line circulating pumps as illustrated on the plans and in accordance with the following specification:

1. The pumps shall be of the high efficiency type specifically designed for quiet operation
2. Pump to be suitable for 203°F (95°C) operation at 150 psig (10.3 Bar) working pressure
3. The pumps shall have a ceramic ball bearing lubricated by the system fluid.
4. Pump body shall be lead-free (less than 0.25% Pb) brass\*
5. Pump to have (1) of following options:
  - a) Pump to have built-in adjustable thermostat from 68°F to 158°F (20°C to 70°C)
  - b) Pump to have built-in stepless speed switch
6. Motor shall be spherical permanent magnet electrically commutated motor (ECM)
7. Motor shall be non-overloading at any point on the pump curve and shall have built in overload protection
8. Pumps to have a capacity of \_\_\_\_ GPM at \_\_\_\_ foot of head
9. All pumps to be supplied by Bell & Gossett Model \_\_\_\_

e<sup>3</sup>-4 Pump Curves



e<sup>3</sup>-6 Pump Curves



Model Number	Part Number	Material	Connection		Adjustable Speed	Adjustable Thermostat	Plug
			Size	Type			
LHB08100101	e <sup>3</sup> -4V/BSPYZ	LEAD-FREE BRASS*	1/2"	SWEAT	.		.
LHB08100102	e <sup>3</sup> -4_/BSXRZ	LEAD-FREE BRASS*	1/2"	SWEAT		.	
LHB08100104	e <sup>3</sup> -4V/BTXYZ	LEAD-FREE BRASS*	1/2"	FNPT	.		
LHB08100106	e <sup>3</sup> -4_/BTPRZ	LEAD-FREE BRASS*	1/2"	FNPT		.	.
6050B5002	e <sup>3</sup> -4V/BUPYZ	LEAD-FREE BRASS*	1/2"	UNION	.		.
6050B5003	e <sup>3</sup> -4_/BUPRZ	LEAD-FREE BRASS*	1/2"	UNION		.	.
LHB08100109	e <sup>3</sup> -6V/BSPYZ	LEAD-FREE BRASS*	1/2"	SWEAT	.		.
LHB08100112	e <sup>3</sup> -6V/BTXYZ	LEAD-FREE BRASS*	1/2"	FNPT	.		
LHB08100110	e <sup>3</sup> -6V/BTPYZ	LEAD-FREE BRASS*	1/2"	FNPT	.		.
6050B5004	e <sup>3</sup> -6V/BUPYZ	LEAD-FREE BRASS*	1/2"	UNION	.		.
6050B5006	e <sup>3</sup> -6_/BSPRZ	LEAD-FREE BRASS*	1/2"	SWEAT		.	.
LHB08260002	e <sup>3</sup> -TIMER						

\* CSA certified to NSF/ANSI 372 that contains less than 0.25% lead content by weighted average of wetted surfaces.

Xylem Inc.  
8200 N. Austin Avenue  
Morton Grove, IL 60053  
Phone: (847)966-3700  
Fax: (847)965-8379  
www.bellgossett.com

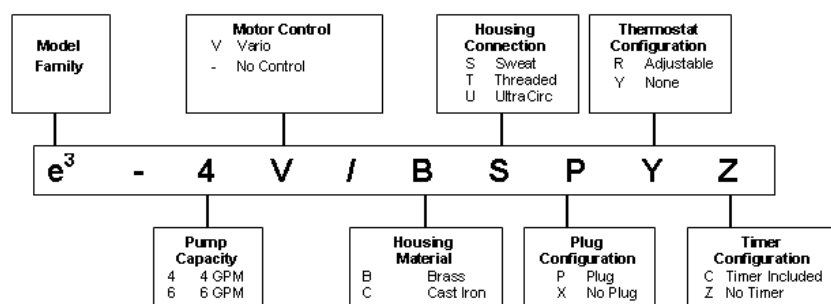
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Let's Solve Water



## Model Nomenclature

**Motor Control**

**(V) Vario** - A built in stepless switch allows for the user to choose the speed at which the pump will operate

**(-)** There is no control and the circulator operates at the selected speed at all times



**(V)** **(-)**

**Housing Connection**

**(S)** 1/2" Sweat Connection

**(T)** 1/2" FNPT Connection

**(U)** 1/2" UltraCirc Union Connection



**(S)** **(T)** **(U)**

**Plug Configuration**

**(P)** e<sup>3</sup> Circulators have the option to be pre-wired with a 6ft. electric plug.

**(X)** e<sup>3</sup> Circulators can also be permanently wired to the building electrical system.



**(P)**

**Thermostat Configuration**

**(R)** Comes with a built-in adjustable thermostat for ON/OFF function.

**(Y)** No thermostat.



**(R)** **(Y)**

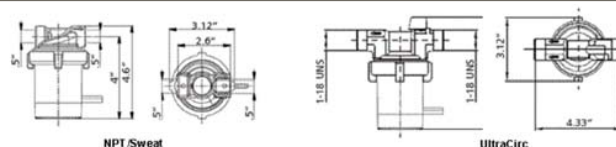
**Timer Configuration**

**(C)** Comes with pre-assembled timer only available for autocirc models.

**(Z)** Timer sold separately



**(C)** **(Z)**



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## e<sup>3</sup>- Timer

### Description

To increase the overall efficiency of a domestic hot water recirculating system and to reduce water wasted while waiting for hot water, the e<sup>3</sup> Timer can be installed on the e<sup>3</sup> circulator. The timer is easily installed by removing the motor end cap, plugging in the timer and setting the timer schedule without any wiring. The timer can be used in 3-different selections: ON, OFF and Timer. The On selection operates the pump continuously, the OFF selection turns the pump OFF and the TIMER selection (depicted by a clock on the timer) turns the pump on when programmed.

### OPERATIONAL LIMITS

#### e<sup>3</sup>Timer

Power Supply: Internally powered by the e<sup>3</sup> circulating pump

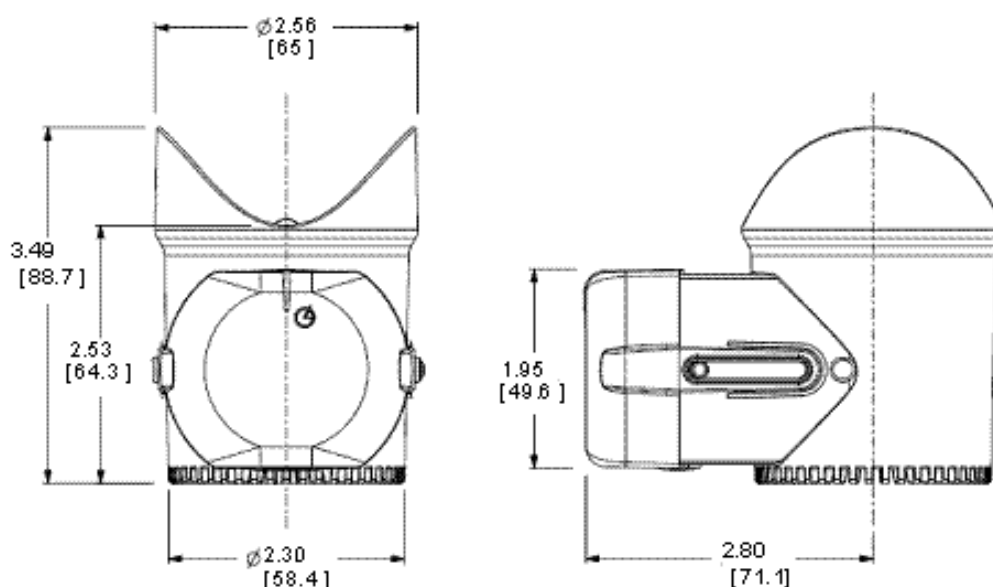
Minimum Switch Interval: 30 minutes.

Run Modes: ON(Continuous, OFF(off at all times) and TIMER (run at programmed intervals)

Part Number	Model	Tagging Information	Quantity
LHB08260002	e <sup>3</sup> -TIMER		

## e<sup>3</sup>- TIMER Kit Dimensions

Timer Kit Dimensions in Inches (mm)



### TYPICAL SPECIFICATION

Furnish and install as shown on plans and accordance with the following specification:

#### Timer Kit Dimensions in Inches (mm)

1. The timer kit to be installed on an e<sup>3</sup> circulator
2. The timer kit to receive internal power from e<sup>3</sup> circulator
3. The timer shall provide ON-OFF control at a minimum interval of 30 minutes. IT shall also have the option for continuous ON or OFF operation.

All unit shall be Bell & Gossett Model No. e<sup>3</sup>-Timer

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SP-OPS1000ADA

OUTDOOR  
SHOWER

**POOL SHOWER:**

PS1000ADA OUTDOOR SHOWER



**Outdoor Shower Company, LLC**  
 Dallas, Georgia  
 www.outdoorshowerco.com — 1-866-SHOWER1  
 Manufactures of Quality Outdoor Stainless Steel Show-



**PS-900-ADA, PS-1000-ADA, PS-1500-ADA, BS-000-ADA**  
**FREE STANDING COLD WATER—ADA COMPLIANT METERED VALVES**

- |                      |   |
|----------------------|---|
| (1) DEL-78           | 2.5 GPM Shower Head   |
| (2) SR-40            | 1/2"x39" Stainless Steel Riser  |
| (3) SV-ADA-665       | 1/2" FPT on/off Straight ADA Compliant Metered Push Valve   |
| (4) SB-40            | 2" X 40" Stainless Steel Base with 6" dia. Base Plate   |
| (5) DF-748-665-ADA   | Chrome Plated Brass Bubbler - Stainless Steel Arm—Metered Push Valve  |
| (6) SSTP-12          | 12" Stainless Steel Pipe Threaded Both Ends   |
| (7) FSA-442-ADA      | Foot Shower: 2 1/2 X Close Stainless Steel Nipple, ADA Compliant Metered Angle Valve, 1" Aerating Shower Head |
| (8) HB-158           | 1/2"MIP x 3/4"MHT Chrome Plated Hose Bibb w/Vacuum Breaker  |
| (9) AB-38-MS         | 3 Carbon Steel Drive Anchor Bolts—3/8" X 2-3/8"   |
| (10) BCB-6           | 6" Stainless Steel Base Cylinder with Brackets  |
| (11) PTC-2374        | 3/8"X3/8" Street 90 Push to Connect   |
| (12) PTC-1264        | 3/8"X 1/2" Push to Connect Adapter Fitting  |
| (13) 3/8 Blue TUBING | 3/8" OD Polyethalene Tubing   |
| (14) BHS-516         | 5/16" Button Head Socket Head Screws (3)  |

Accessories may vary due to availability and slight modifications by the manufacturer.

**ADA COMPLIANT METERED PUSH VALVE TIMING**

NOTE: If leak occurs at cap gasket, remove gasket and inspect it for damage and replace if necessary. If the gasket is in good condition, inspect the body surface for scratches or nicks and clean up the surface by reaming if necessary.

**TIMING ADJUSTMENT:**

These instructions are for the user to adjust the faucet to provide a flow rate to meet the American Disability Act (ADA) regulations which require 10 seconds running time for the water flow. For ADA compliance follow these procedures:

NOTE: Timing must be checked with the handle in place.

A) Purge the valve of air by pushing it completely open 4-8 times rapidly and then check the timing cycle.

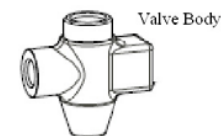
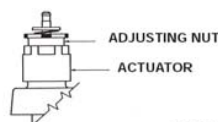
B) Remove the handle with a 3/32" hex wrench.

C) Time is changed by rotating plastic serrated adjustment nut with a pair of pliers. Raising nut (counter clockwise) shortens time, lowering nut (clockwise) lengthens time.

D) Once cycle time is satisfactory, lock handle in place making sure set screw is securely fastened on groove in stem. Insert the colored index button.

Tighten the actuator assembly onto the body to approximately 20 ft. lbs., (Hand tighten and give the actuator assembly a 1/2 to 1 full turn with a wrench). **DO NOT OVERTIGHTEN. THIS WILL DAMAGE WASHER AND VALVE WILL NOT SHUT OFF COMPLETELY.**

**HOW TO ADJUST**  
 TOP VIEW



PS-900-ADA, PS-1000-ADA, PSDF-1500-ADA, BS-2000-ADA—FREE STANDING COLD WATER



## Outdoor Shower Company, LLC

Dallas, Georgia

www.outdoorshowerco.com—1-866-shower1

*Manufacturers of Quality Stainless Steel Showers*



- FREE STANDING COLD WATER

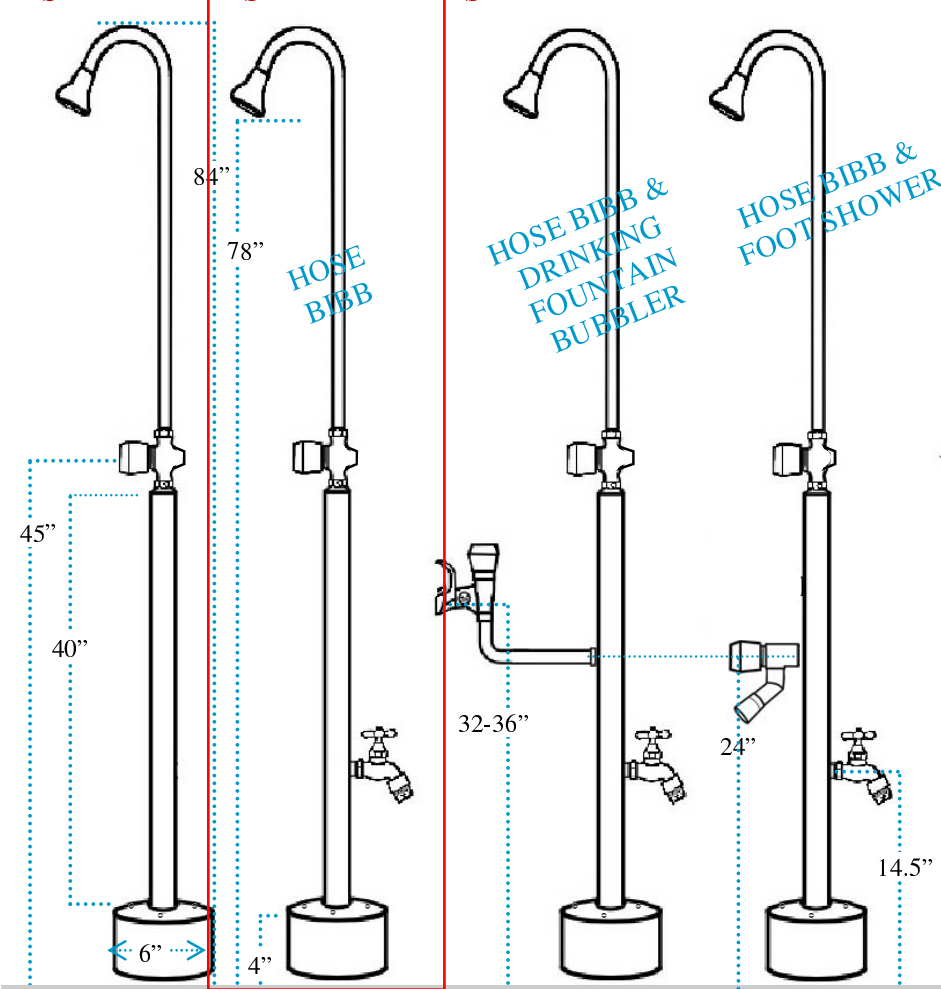
- ADA COMPLIANT ADJUSTABLE  
METERED PUSH VALVE

Shower units can be modified by adding or removing accessories.

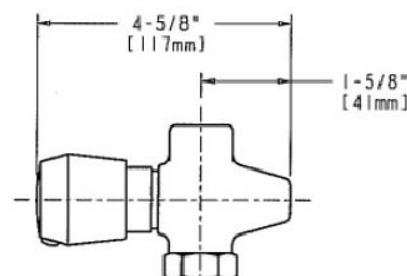
MODIFICATIONS:

- BS-2000-ADA Less Hose Bibb = Part #BS-2000-ADA-LSHB
- PSDF-1500-ADA Less Hose Bibb = Part #PSDF-1500-ADA LSHB
- PSDF-1500-ADA with Foot Shower = Part #PSDF-1500-ADA-FS

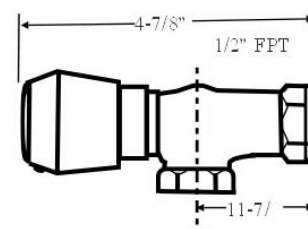
PS-900-ADA PS-1000-ADA PSDF-1500-ADA BS-2000-ADA



STRAIGHT VALVE



FOOT SHOWER VALVE



FLOORING SURFACE

POSITION OF ACCESSORIES CAN VARY WHEN SHOWER  
BASE IS ROTATED CLOCKWISE OR COUNTERCLOCKWISE.  
POSITIONS SHOWN IN DRAWINGS IS FOR VIEWING ONLY.

### TECHNICAL DATA:

- FREE STANDING UNIT
- CHROME PLATED BRASS ADA SELF-CLOSING AUTO SHUT-OFF METERED PUSH VALVE
- CHROME PLATED BRASS HOSE BIBB WITH VACUUM BREAKER
- 304 STAINLESS STEEL SCH 40 SS 1/2" X 44" RISER
- 304 STAINLESS STEEL TUBING 2" X 40" BASE
- 304 STAINLESS STEEL BASE CYLINDER & COVER
- 3/8 x 2-3/8 CARBON STEEL DRIVE ANCHOR BOLTS
- 2.5 GPM CHROME PLATED BRASS SHOWER HEAD
- CHROME PLATED BRASS DRINKING FOUNTAIN BUBBLER

- ASME A112.18.1 COMPLIANT
- CSA B125 COMPLIANT
- CSA B 64.2 COMPLIANT
- ANSI/NSF Std. 61-1999a



**Outdoor Shower Company, LLC**  
 Dallas, Georgia  
[www.outdoorshowerco.com](http://www.outdoorshowerco.com) — 1-866-SHOWER1  
*Manufactures of Quality Outdoor Stainless Steel Showers*



**FREE STANDING COLD WATER INSTALLATION**

## **FREE STANDING COLD WATER SHOWER UNIT INSTALLATION**

Items needed: 9/16" wrench and crescent wrench, hammer, roto hammer, 3/8" drill bit, Teflon tape



TOP VIEW

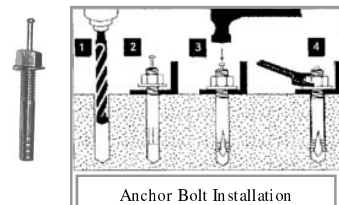


BOTTOM VIEW



**Flush lines before installing valves and shower head. Debris in water line can cause valves to malfunction.**

1. Run a 1/2" water supply line at the desired location of the shower unit.
2. Attach 1/2" water supply line to 1/2" x 3/8" straight adapter.
3. Using Lower Bracket pre-drilled holes of the Base Cylinder as a guide, mark the placement of the drill holes at desired location of installation. Drill 3, 3/8" holes, 3" deep.
4. Attach Elbows and Adapters to Hose. Attach one end to water supply line coming out of the ground.
5. Position Base Cylinder to line up with pre-drilled holes in flooring surface. Insert Anchor Bolts in each hole. When bolts are in position hit the pin of the bolt with a hammer, locking it into place. Tighten nuts.
6. Lay Shower Base and Cover Plate on Base Cylinder and attach other end of hose to opening on underside.
7. Curl hose inside Base Cylinder and place Base Plate on top, lining up with holes.
8. Stand shower base in upright position and attach Base Plate to Base Cylinder using button head cap screws.



Teflon Tape is not needed when attaching Shower Heads or other accessories with washers.

### **PS-900, PS-1000, PSDF-1500, BS-2000**

- Attach straight valve to lower portion of shower unit, and attach riser to valve using Teflon Tape.
- Attach accessories to base using Teflon Tape.

### **FSFS, FSDF, FSHS, FSHB**

- Attach angle valve to top of shower base using Teflon Tape.
- Attach accessories to base using Teflon Tape.

### **PS-3200, PS-3300, PS-3400**

- Attach brackets, valves, hose bibb, and riser to shower unit body using Teflon Tape as shown in Specification sheet included shower unit.

## **WINTERIZATION**

It is recommended that a shut off valve be installed in the supply line going to the shower unit for winterization. To prevent freeze damage remove and store shower unit leaving Base Cylinder anchored to flooring surface. If the shower unit is left outdoors cut off water supply, completely drain or blow out all moisture, and remove all accessories and valves.

**FREEZE DAMAGE IS NOT COVERED BY THE WARRANTY.**



## WARRANTY / RETURN POLICY MAINTENANCE



All items manufactured by Outdoor Shower Company, LLC . are manufactured in Dallas, Georgia, and we guarantee 100% customer satisfaction. Only the finest stainless steel materials are used. Each piece is individually crafted and is electro-polished, which smooths, polishes, and deburrs the product surface, making it easier to clean and resistant to contamination.

Stainless steel materials come with a ten (10) year limited warranty against defect and workmanship. All accessories not manufactured by Outdoor Shower Company, LLC . are covered by warranty for a period of two (2) year from the receipt by the original purchaser. This warranty will become void if merchandise is damaged, improperly maintained or installed, or modified without the authorization from our licensed distributor.

The warranties include replacement or repair of defective parts and an unconditional guarantee against manufacturing defects. The company will replace or repair at its option any equipment manufactured or supplied as part of our merchandise found to be defective if the conditions are met. Any shipping fees associated with the return or replacement of merchandise covered by this warranty will be incurred by Outdoor Shower Company, LLC . **We reserve the right to determine if damage to a unit or any parts is the direct cause of not complying with manufacturer's guidelines. Special Order non-stock items are NOT returnable.**

**WARNING: FREEZE DAMAGE is NOT covered by the warranty.**

**It is very important to winterize outdoor showers. Just like water faucets and hose bibbs, they are susceptible to freeze damage. The unit(s) must be drained in freezing conditions. In extremely cold temperatures it is advisable to remove faucets and hose bibbs and store them during winter months. Vented plugs are available through Outdoor Shower Company, LLC .**

Although care was taken in the design and manufacture of your new pool shower to ensure it's safe operation, we accept no responsibility for the improper use or installation of equipment, as it is no longer in our control. Buyers have the right of inspection, approval, and acceptance within thirty days of arrival.

We will not be responsible for transportation or labor for items returned for repair or replacement of parts where the merchandise was not properly installed or maintained. An authorized distributor must request a Return Authorization Form from Outdoor Shower Company, LLC and submit it before the return can be approved. A 20% re-stock fee and the cost of shipping will be withheld on returns.

Our Customer Service Department is available for ordering replacement parts or if it should become necessary for you to return your Pool Shower unit. We can also repair or replace damaged parts for a minimal fee. Call **678-363-3939** or **1-866-SHOWER1** for return authorization and instructions, or E-mail us at [info@outdoorshowerco.com](mailto:info@outdoorshowerco.com).

Additional information is available at [www.outdoorshowerco.com](http://www.outdoorshowerco.com).

**CAUTION:** Where outdoor temperatures reach more than 90 degrees use caution to prevent burns to skin from scalding water. When a shower unit is connected to an exposed water hose, it is recommended that a light colored hose be used in order to reduce solar gain and keep water temperature inside the hose near the ambient temperature. Water is stored in the body of the shower unit when not in use, and although the patented satin finish on our stainless steel components has minimal solar gain, in warm climates water temperatures inside the hose or shower unit can reach more than 110° which can result in minor burns to delicate skin tissue.

**HOT & COLD SHOWER UNITS:** Some states require Pressure Balancing Valves for hot & cold valves. These are available through any plumbing supply company and can be added to the water supply lines feeding into the shower valve. When hot water is used for bathing it is always recommended that the temperature on the water heater be set at 110° or less in order to prevent the risks of minor burns from scalding water.

Outdoor Shower Company, LLC . does not accept responsibility for bodily injury caused from improper use of its equipment or failure to use caution when operating the shower unit(s). It is recommended that the shower unit(s) be turned on for 30 seconds before contact with water spray in order to avoid accidental scalding and ensure safe use of this product.

Stainless steel does not "rust" as you think of regular steel rusting with a red oxide on the surface that flakes off. If you see red rust it is probably because the product was contaminated, steel or iron scratched the surface, and particles became embedded in the surface. These particles are much less corrosion resistant than the stainless steel and rust, making it appear that the stainless steel is rusting. Stainless steel should never be cleaned with steel wool or an abrasive cleaner. Brillo and S.O.S. pads are made of steel wire. Iron particles from these pads will contaminate the surface. NEVER use an iron-based product on stainless steel. Damp steel or cast iron can be left behind causing the stainless steel to stain (rust). In most cases, light staining can be removed with a fine abrasive cleaner, scouring powder, or non-metallic abrasive scouring pad such as a Scotch Brite® pad. Apply the cleaning product in the same direction as the polish to minimize damage. Stainless Steel cleaner is suggested and can be purchased at most home improvement stores. WD-40 is also an excellent cleaner and polisher of stainless steel. If there are obvious polishing lines rub in the same direction as the grain of the steel to minimize surface finish damage.




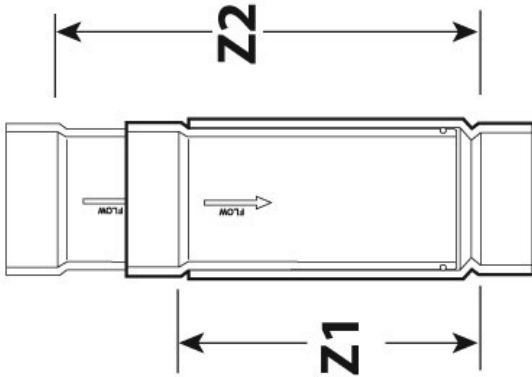





SP-C213812AWBC CANPLAS  
SP-C213813AWBC CANPLAS  
SP-C213814AWBC CANPLAS


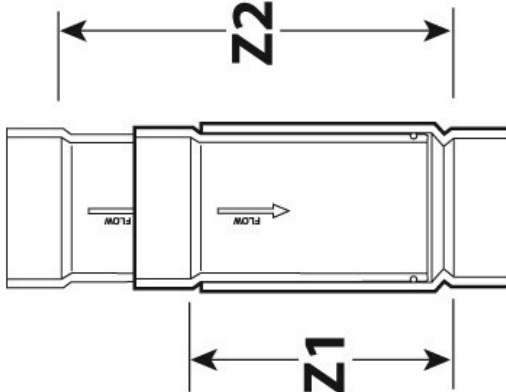


**IPEX COUPLING:**

213812AWBC 2 EXP JOINT CANPLAS  
213813AWBC 3 EXP JOINT CANPLAS  
213814AWBC 4 EXP JOINT CANPLAS





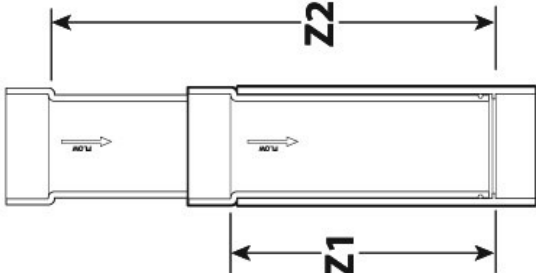


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