

WC Standard

Proflo PF1403T Elongated Water Closet Bowl – ADA

Proflo PF5112HE 1.28 GPF Tank

Proflo PFTSE2000 Toilet Seat



## High-Efficiency Toilet

### Product Features

- 1.28GPF HET, High Efficiency Toilet
- Gravity fed, jetted box rim
- 2" fully glazed trapway
- 8" x 9" water surface
- Close coupled tank with cover
- Quick connect, 2 bolt tank to bowl installation
- Standard color match trip lever
- Available round front, elongated and ADA
- Seat and supply not included
- Anti-siphon fill valve
- Sanitary Bar on all bowls
- Uses 20% less water than standard low consumption toilets
- EPA WaterSense Certified
- Meets ANSI ASME A112.19.14-2006 and ASME A112.19.2M



PF1403HEWH / PF5112HEWH

### Codes and Standards

- ADA (PF1403HE)
- IAPMO/UPC
- ASME A112.19.2
- CSA B45.0
- CSA B45.1

### Model Numbers

Model	Description	Color Finishes	
PF1400HE	HET Bowl only box rim RF	<input type="radio"/> White	<input type="radio"/> Biscuit
PF1401HE	HET Bowl only box rim EB	<input type="radio"/> White	<input type="radio"/> Biscuit
PF1403HE	HET Bowl only box rim ADA	<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
PF5110HEWH	HET Tank only 10" RI for 1400 series	<input type="radio"/> White	
PF5114HEWH	HET Tank only 14" RI for 1400 series	<input type="radio"/> White	
PF5112RHEWH	HET RH 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	

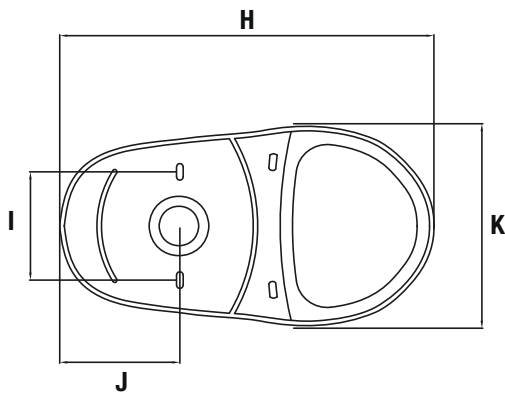




# High-Efficiency Toilet

## Product Specification

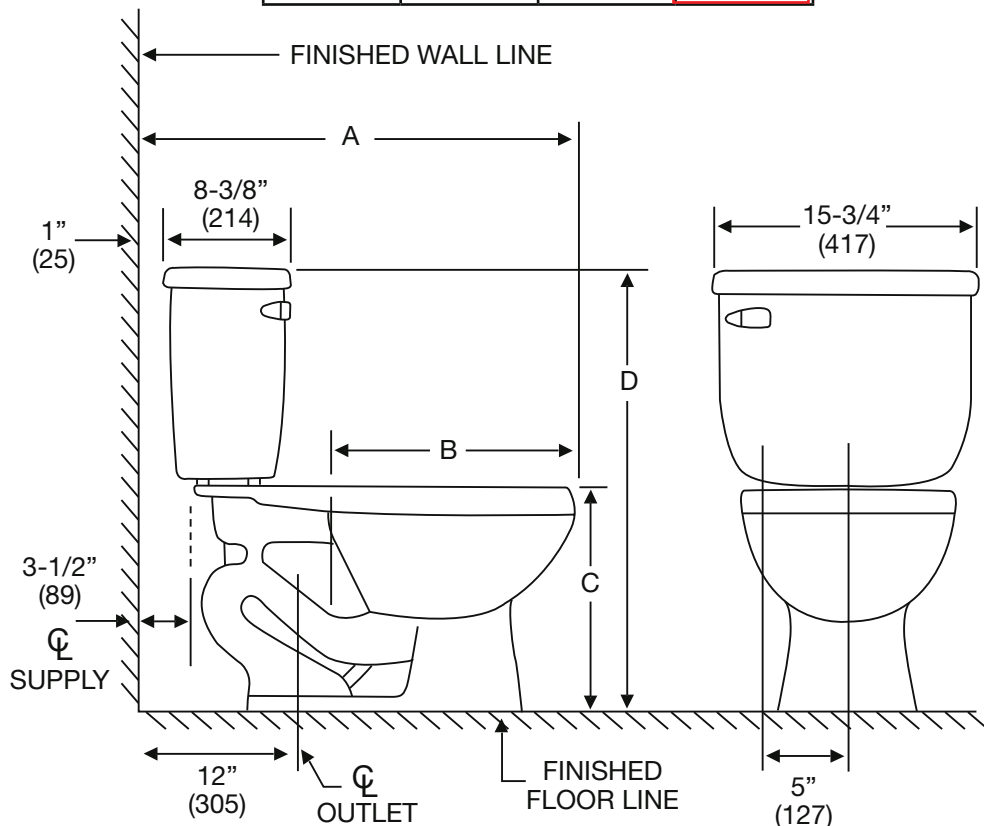
The combination toilet shall be made of vitreous china. Toilet shall be 1.28 gpf (4.8 lpf). Toilet shall have 2" (5.1cm) fully glazed trapway. Toilet shall include color match trip lever. Toilet shall be less seat and supply. Toilet shall be ADA compliant (PF1403) with 17" high bowl.



**Footprint**

	RF	EL	ADA
	PF1400HE	PF1401HE	PF1403HE
<b>H</b>	18-1/2"	18-5/8"	18-11/16"
<b>I</b>	6"	6"	6"
<b>J</b>	6-1/8"	6-7/16"	6-7/16"
<b>K</b>	9-1/8"	9-1/4"	9-1/8"

	RF	EL	ADA
	PF1400HE	PF1401HE	PF1403HE
<b>A</b>	28-1/4"	30-1/4"	30-1/4"
<b>B</b>	16-1/2"	18-1/2"	18-1/2"
<b>C</b>	14-5/8"	14-5/8"	17"
<b>D</b>	28-7/8"	28-7/8"	31-1/4"



## 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.



**PFTSE2000**

# Plastic Toilet Seats



## Product Features

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

## Model Numbers

**PFTSE2000WH** Elongated plastic toilet seat, white

**PFTSE2000BS** Elongated plastic toilet seat, biscuit

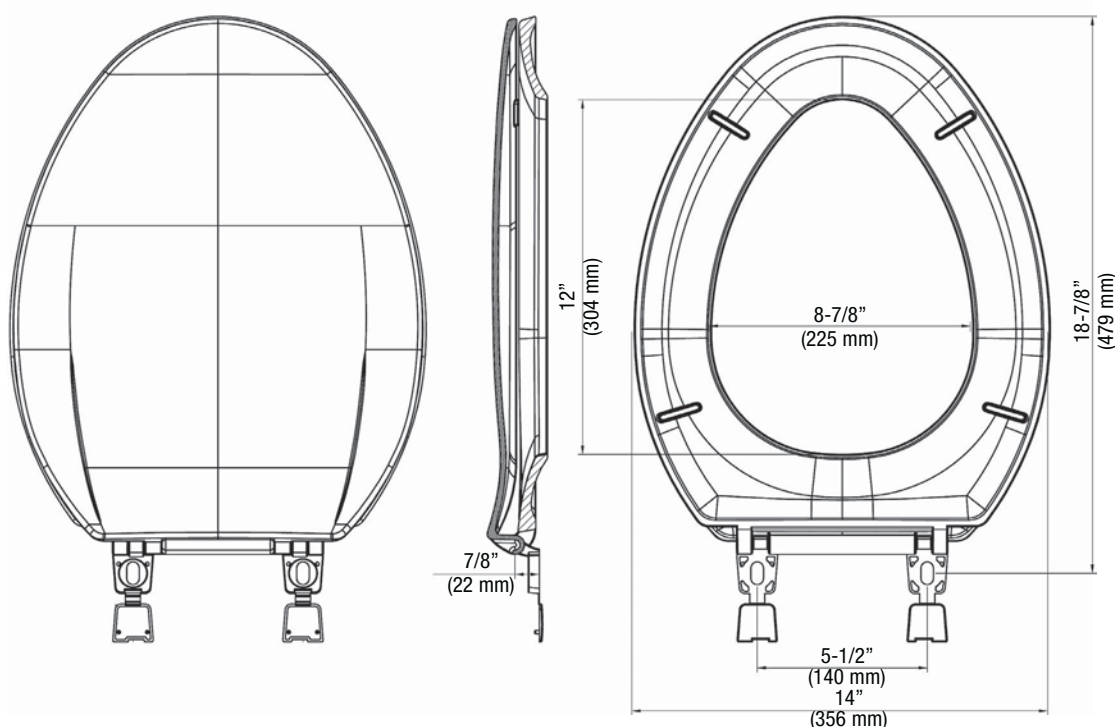


**PFTSE2000WH**

## Available Parts

**PF141036PK** Replacement seat bolt

## 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

WC Bathrooms With Clearance Issues

Gerber HE-21-519 Viper Compact–ADA

Proflo PFTSE2000 Toilet Seat



# GERBER

VITREOUS CHINA  
TOILET  
**HE-21-519**

LAVATORIES

TOILETS

BIDETS / URINALS

CAST IRON



## VIPER™ 1.28 ErgoHeight™ Compact Elongated Toilet

12" Rough-in

### Features:

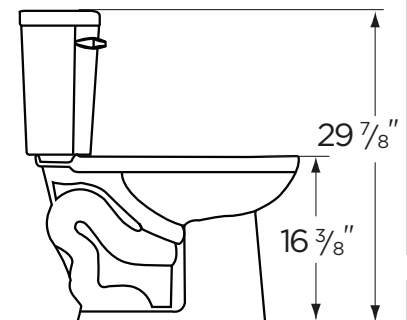
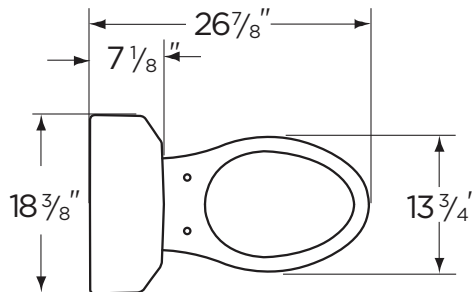
- 1.28 gpf/4.8 Lpf high efficiency two-piece toilet
- Elongated ErgoHeight™ bowl
- Compact design fits in round front space
- Dual-fed siphon jet
- Fluidmaster® fill valve
- 3" flush valve
- 2" glazed trapway
- Color matched tank lever
- Available in White and Biscuit
- 2 bolt caps
- ADA Compliant



### Dimensions:

Height ..... 29<sup>7</sup>/<sub>8</sub>"  
Width ..... 18<sup>3</sup>/<sub>8</sub>"  
Depth ..... 26<sup>7</sup>/<sub>8</sub>"  
Rough-in ..... 12"  
Water Surface from Rim ..... 6<sup>1</sup>/<sub>8</sub>"  
Trapway (ave)\* ..... 2"  
Water Surface ..... 9<sup>7</sup>/<sub>8</sub>" x 6<sup>7</sup>/<sub>8</sub>"  
Water Seal ..... 2"  
Shipping Weight ..... 77 lbs

**Specifications:** Bowl—#HE-21-872 Elongated Bowl Tank—#HE-28-570  
Seat not included



THIS FIXTURE QUALIFIES  
ACCORDING TO ASME TEST  
PROCEDURES AS A HIGH  
EFFICIENCY WATER CLOSET WITH  
AN AVERAGE CONSUMPTION OF  
1.28 gpf (4.8 Lpf) OR LESS.

HIGH EFFICIENCY TOILET  
**HET**



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

Job Name	
Date	
Model Specified	
Quantity	
Customer	
Contractor	
Architect/engineer	



**PFTSE2000**

# Plastic Toilet Seats



## Product Features

- Impact resistant plastic construction
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- Closed front with cover
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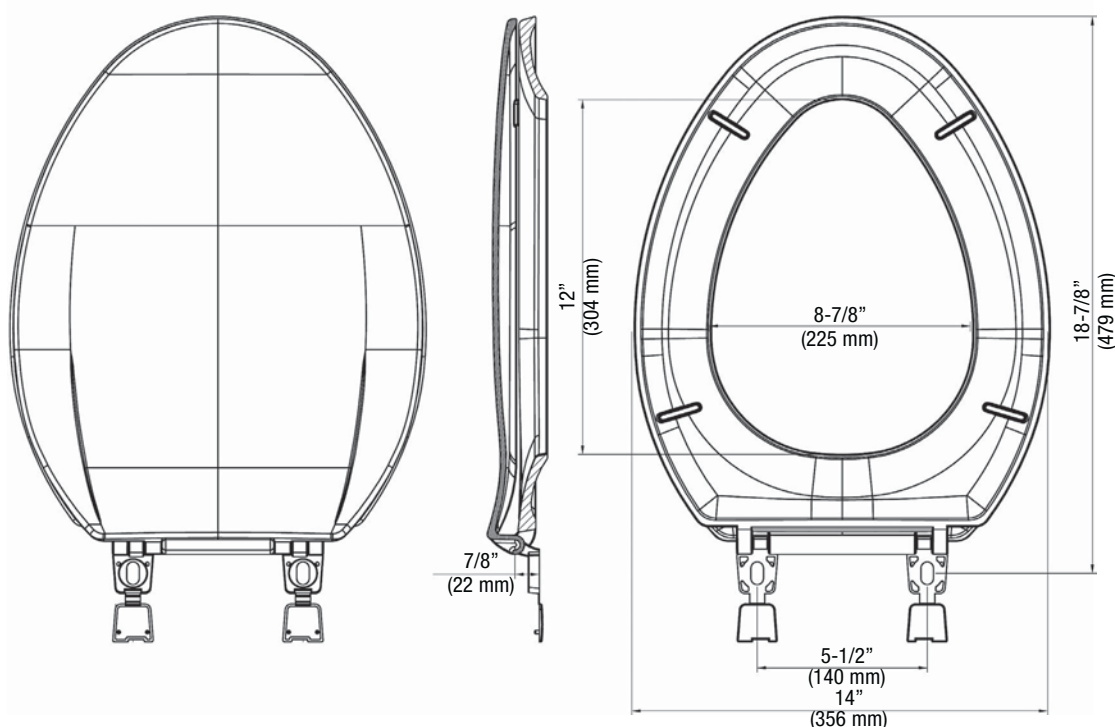


**PFTSE2000WH**

## Available Parts

**PF141036PK** Replacement seat bolt

## 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

L-1

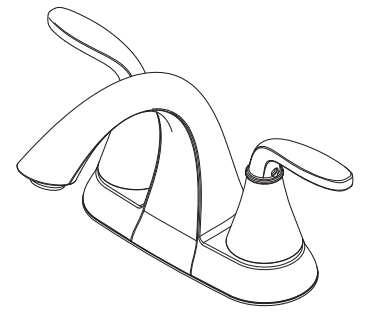
Standard units

Lavatory Bowls Provided By Others

Price Pfister F-048-PDCC Faucet

# Pfister

## Pasadena™ 4" Centerset Lavatory Faucet

F-048-PDCC Finish(CC) ☐F-048-PDKK Finish(KK) ☐F-048-PDMC Finish(MC) ☐F-048-PDSL Finish(SL) ☐F-048-PDYY Finish(YY) ☐

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

## Specifications

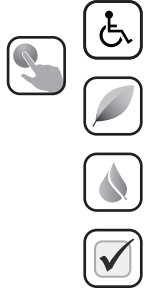
### Features

- 3-Hole Installation
- Fixed Hub
- Lifetime Warranty
- PVD Finish (KK Only)
- Push & Seal™ Pop-Up
- Pforever Seal Ceramic Disc Valve
- Pforever Warranty®

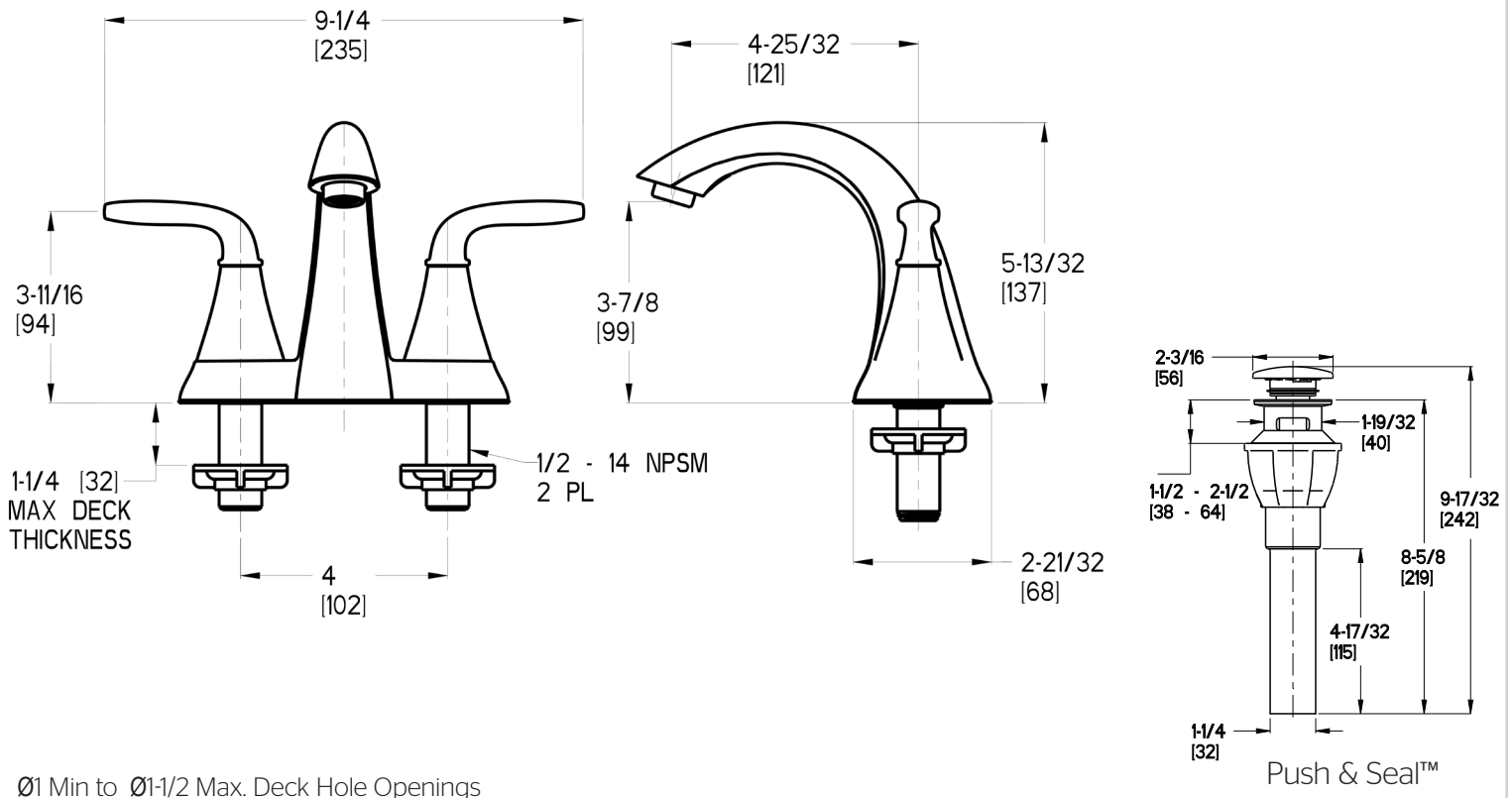
### Code Compliance

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

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- NSF 61/9 Annex G (Low lead)
- Cal Green Compliant
- EPA WaterSense Certification 1.5 gpm, 5.7L/Min
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



L-1H

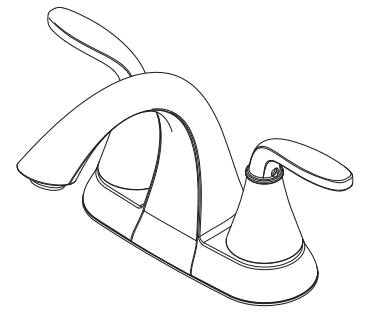
Lavatory Bowl Provided By Others

Price Pfister F-048-PDCC Faucet

Proflo PF202WH Insulation Kit

# Pfister

## Pasadena™ 4" Centerset Lavatory Faucet

F-048-PDCC Finish(CC) ☐F-048-PDKK Finish(KK) ☐F-048-PDMC Finish(MC) ☐F-048-PDSL Finish(SL) ☐F-048-PDYY Finish(YY) ☐

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

## Specifications

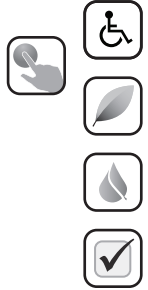
### Features

- 3-Hole Installation
- Fixed Hub
- Lifetime Warranty
- PVD Finish (KK Only)
- Push & Seal™ Pop-Up
- Pforever Seal Ceramic Disc Valve
- Pforever Warranty®

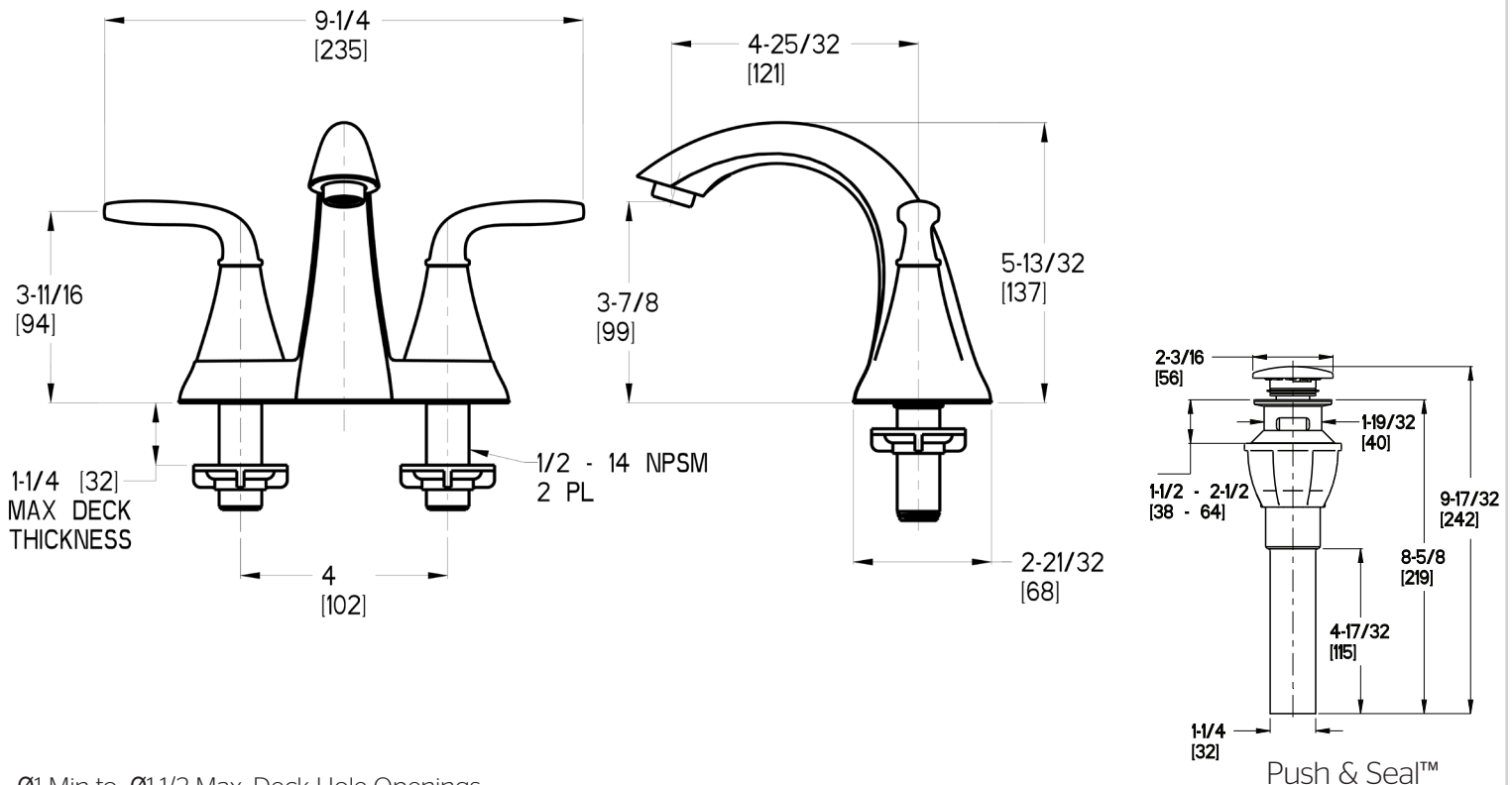
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- CSA B125 Certified
- ASME A112.18.1
- NSF 61/9 Annex G (Low lead)
- Cal Green Compliant
- EPA WaterSense Certification 1.5 gpm, 5.7L/Min
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



**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	<b>PF202WH</b>	PF205WH	PFEXT299WH
PF201WH	PF203WH	PF299WH	PFEXT200WH

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.

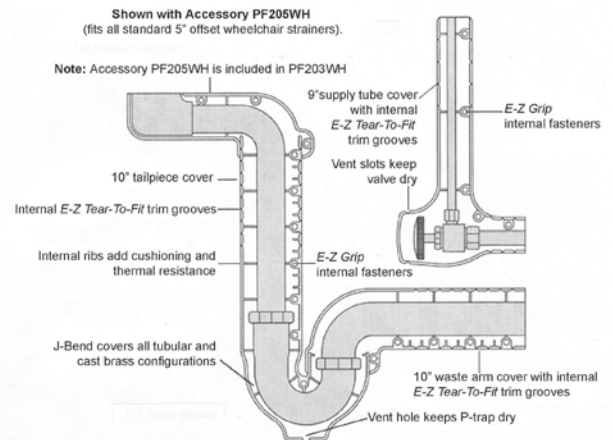
## Warranty and Codes

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.



**PF201WH**

## Product Specifications



PF200WH	one P-trap cover
PF201WH	one P-trap cover, one angle valve and supply cover
<b>PF202WH</b>	<b>one P-trap cover, two angle valves and supply covers</b>
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>	
PFEXT299WH	one 16" extension for water supply
PFEXT200WH	one 16" extension for drain waste or tailpiece



L-1

Penthouse Units

Lavatory Bowls Provided By Others

Danze D225533 Chrome Faucet

## SPECIFICATIONS

## REEF™ SINGLE HANDLE LAVATORY FAUCET

## Model

D225533

## Description

- Ceramic disc valve
- 5 1/4" high spout, laminar flow
- Metal touch down drain assembly
- Single hole mount
- Flow rate: 1.5 gpm @ 60 psi

## Standards

Certified to NSF/ANSI 61  
Section 9

- NSF 61-9
- Energy Policy Act of 1992



NSF/ANSI 372

- ASME A112.18.1M/A112.18.1
- NSF/ANSI 372

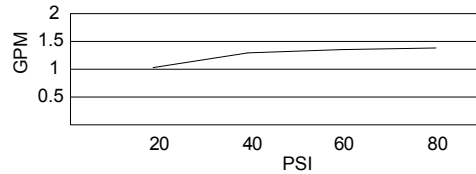


- ADA Accessibility Guidelines for Buildings and Facilities - 4.27.4 Controls and Mechanisms

## Warranty

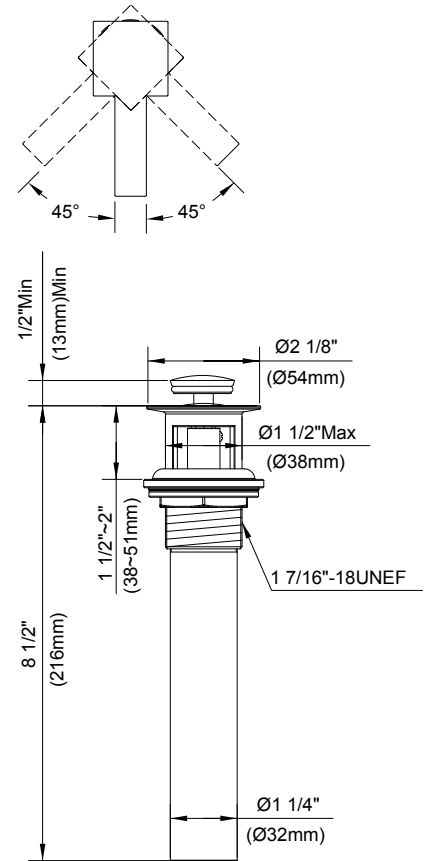
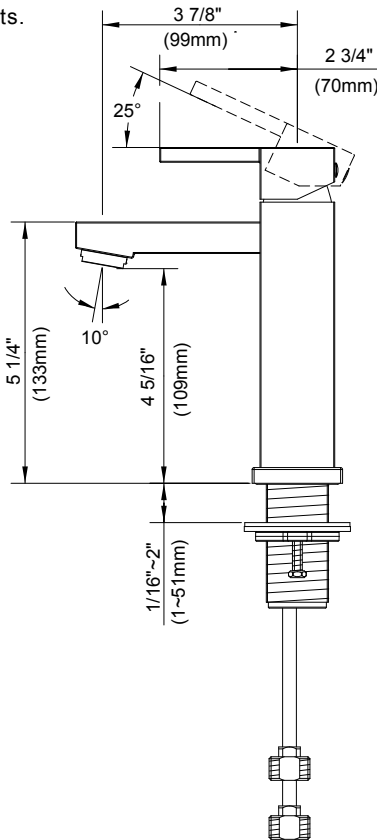
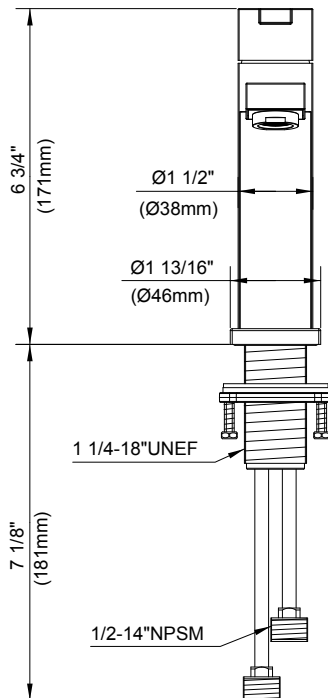
Danze products are covered by a manufacturer's limited "lifetime" warranty for manufacturing defects.

## Flow Rate



## Finishes Available

- **Chrome**
- Other: Refer to Price List for additional finish



Metal touch down drain

Submittal Information:

Job Name: \_\_\_\_\_

Location: \_\_\_\_\_

Contractor: \_\_\_\_\_

Contact #: \_\_\_\_\_

T-1

Standard Unit Bathtub

Aquarius G6030TOCS 60 x 30 Bathtub

Pfister JX8-310A T&S Valve

Pfister R89-8CBC T&S Trim

Proflo PFWO355 Chrome Waste and Overflow

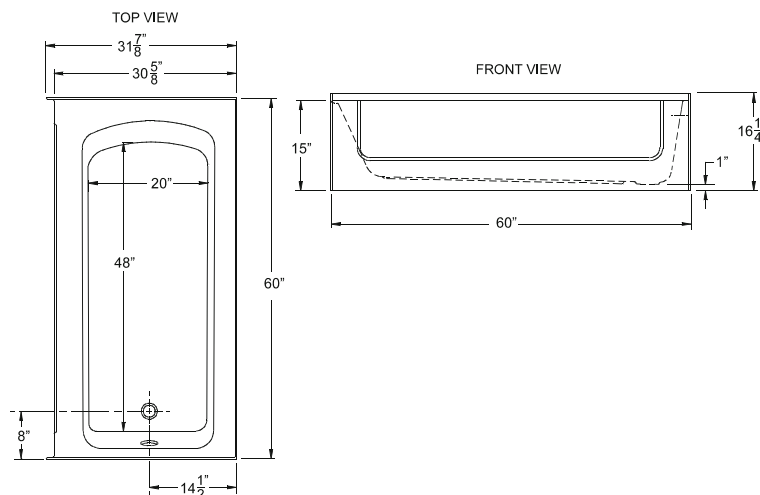


# RESIDENTIAL GELCOAT

Product Sheet

**G 6030 TO CS**

60" x 31.875" x 16.25"



## FEATURES

FINISH	PRODUCT	PIECES	STYLE
Gelcoat	Soaking Tub	One	Garden Tub

*Due to the nature of the materials, dimensions may vary +/- 0.5".*

## OPTIONS

WHIRLPOOL	GELCOAT COLORS	SOLID SURFACE COLORS	ACCESSORIES
Yes	White, Bone, Biscuit	Solids or Naturals	Drain

## TECHNICAL INFORMATION

WT	LOAD FACTOR	HANDED BY	CODES
80	0.55	Drain L R	ANSI 124.1, UPC

## WARRANTY

Gelcoat - 3 Year Limited  
 Solid Surface - 10 Year Limited

## AVAILABILITY

NORTHEAST	MID / SOUTH
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Not Available



**CUSTOMER SERVICE 800.443.7269**

Rev. 012014

435 Industrial Road | Savannah, TN 38372 | Fax 731.925.4290 | [www.praxiscompanies.com](http://www.praxiscompanies.com)

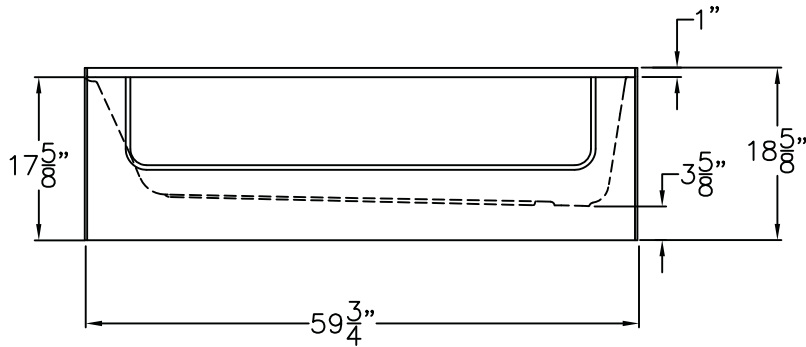
HANDED BY THE DRAIN

Model G 6030 TO CS

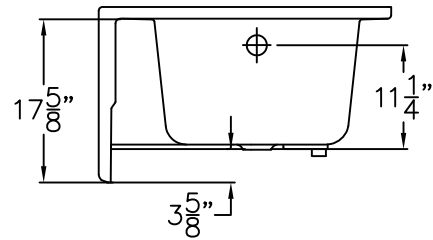
# LUXURY GELCOAT SERIES

## SUBMITTAL DATA

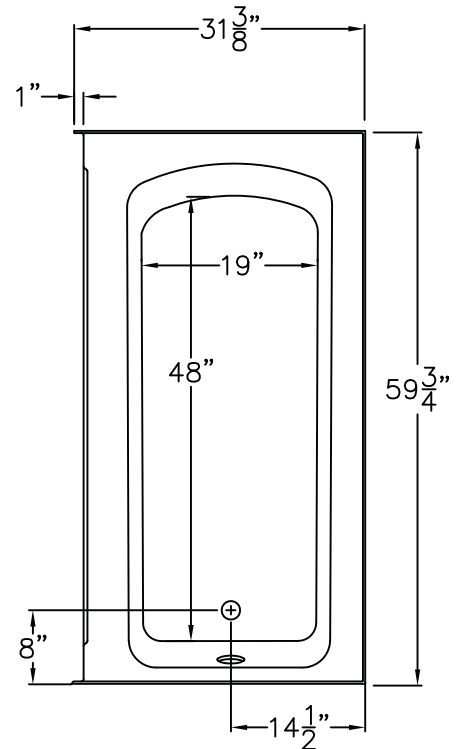
FRONT VIEW



END VIEW



TOP VIEW



TRADITIONAL DESIGN TUB WITH RECTANGULAR SHAPED BOWL,  
INTREGAL APRON, ABOVE THE FLOOR ROUGH-IN AND LEFT  
OR RIGHT DRAIN LOCATION.

Unit Complies With ANSI Z124.1-2, NAHB, And UPC Codes.

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

Job Name:	AQUARIUS	
Model No.:	Drawing#: G6030 TO CS	
Approved by:	Date Approved:	Date: 2-9-07 Revised: 2-2-12
Rep.:	Wholesaler:	Quote No.:

PRAXIS INDUSTRIES, LLC.  
435 INDUSTRIAL ROAD, SAVANNAH, TN 38372  
1 (800) 326-5489 - FAX (888) 246-0466

## Pfirst Series™ Tub And Shower Valve

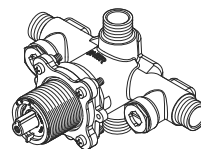
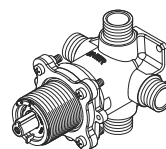
OX8-310A Finish(XX) ☐

OX8-340A Finish(XX) ☐

**JX8-310A Finish(XX) ☒**

JX8-340A Finish(XX) ☐

- Single Handle
- Valve Only
- Pforever Seal



## Specifications

### Features

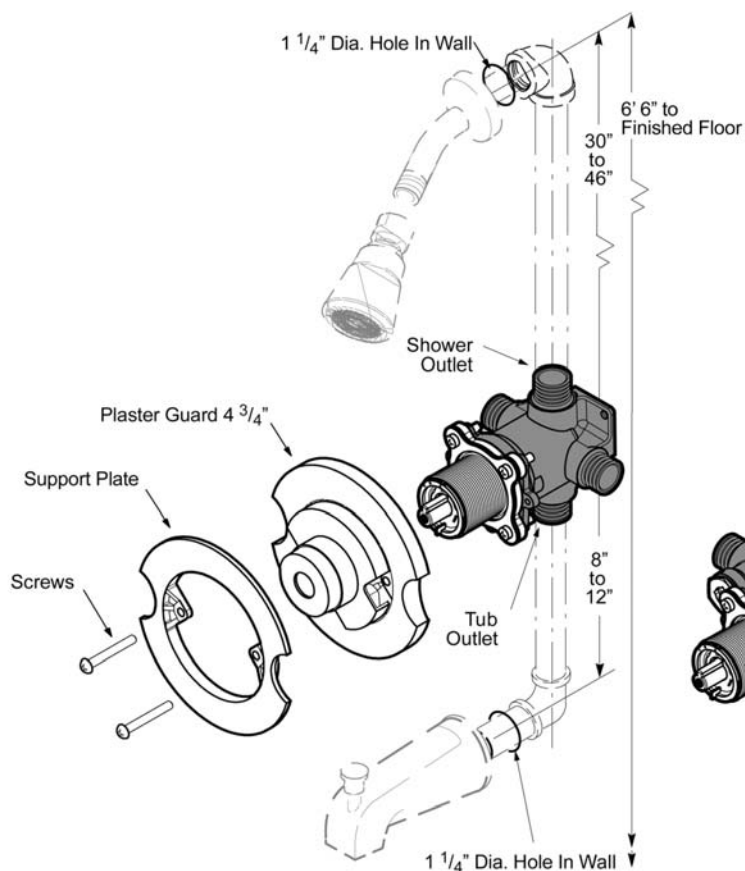
- Solid Brass Construction
- Back-to-Back Installation
- Includes Plug for Shower Only
- Dual 1/2" I.P. or 1/2" Copper Sweat Connections
- Job Pack Quantities (JX8 Only)
- Diaphragm Pressure Balance Valve
- Temperature Limit Stop Included
- Anti-Scald Shower Cartridge
- Integral Stops (340A Only)
- Valve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

### Code Compliance

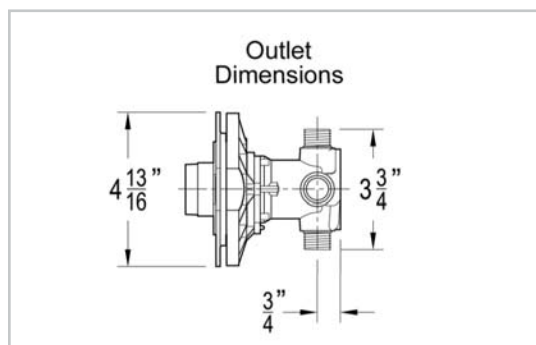
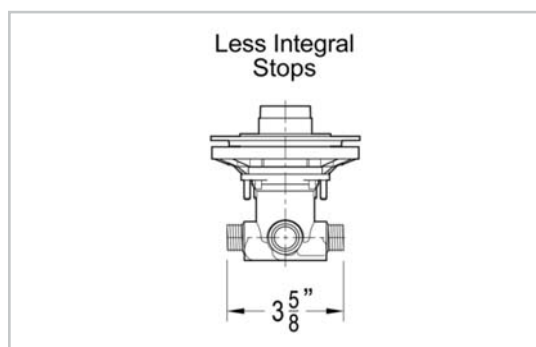
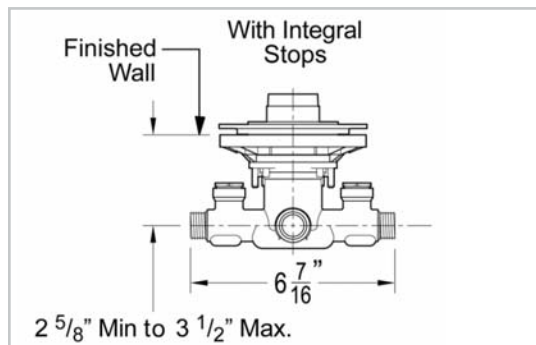
Pfister products are designed and manufactured in compliance with the following standards and codes:

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

## Dimensions



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

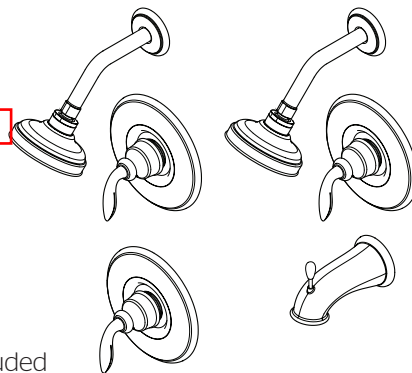


## Avalon™ Shower Trim

R89-1CBC Finish(CC) ☐  
R89-1CBK Finish(KK) ☐

R89-7CBC Finish(CC) ☐  
R89-7CBK Finish(KK) ☐  
R89-7CBY Finish(Y) ☐

R89-7CBY Finish(Y) ☐  
**R89-8CBC Finish(CC) ☐**  
R89-8CBK Finish(KK) ☐  
R89-8CBY Finish(Y) ☐



- Lever Handles
- Quick Connect
- Trim Only, Valve Not Included

## Specifications

### Features

- Complete Collection with Coordinating Lavatory and Roman Tub Options
- Metal Lever Handles
- Quick Trim Installation- Attaches Without Tools, No Exposed Screws
- Fits OX8 & JX8 Valve Bodies
- Fits TX8 & VB8 Valve Bodies (ICB Only)
- Valve Only (ICB Only)
- Shower Only (7CB Only)
- **Tub & Shower (8CB Only)**
- Threaded Tub Spout (8CB Only)
- 2.5 GPM Shower Head (ICB Exluded)
- Metal Shower Arm with Decorative Shower and Spout Flanges (ICB Excluded)
- Pforever Warranty®

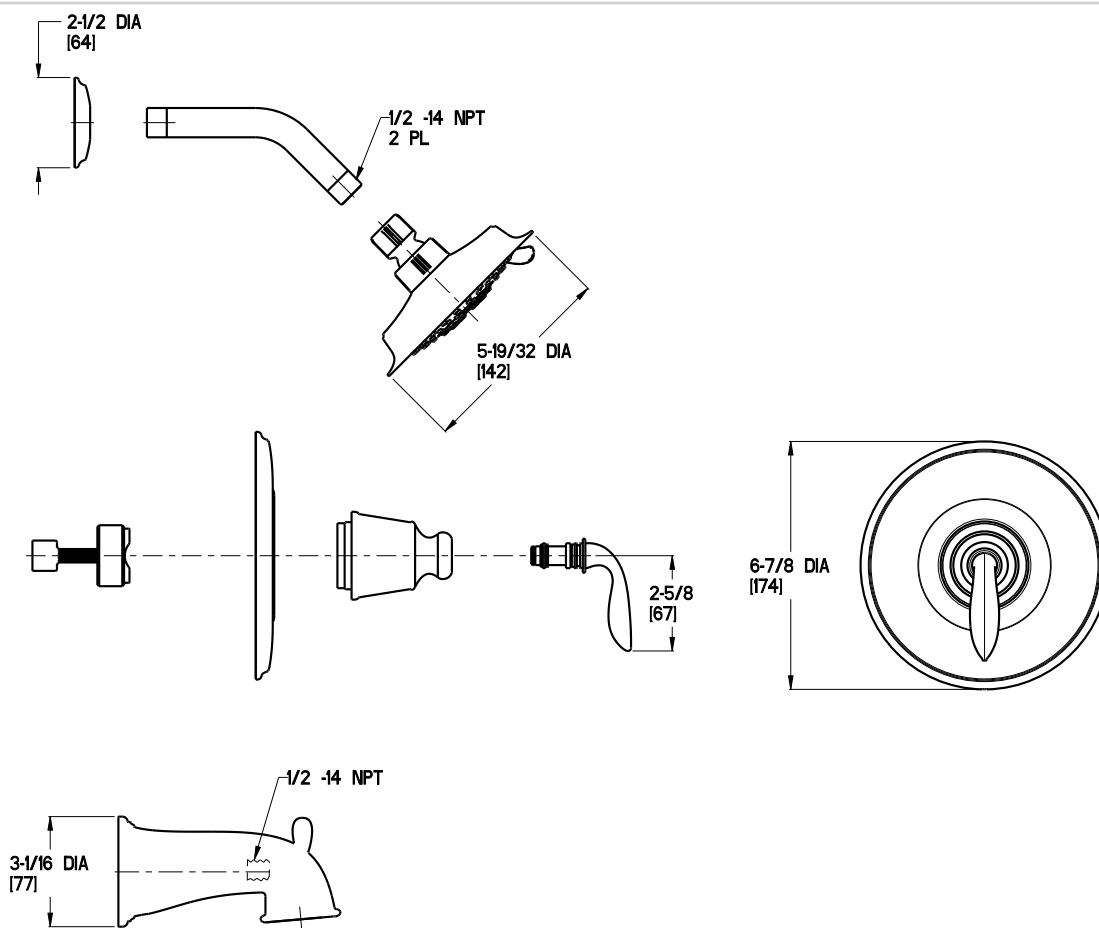
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- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- ASSE 1016
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



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

## PFW0320 /PFW0350 Series



### W&O Half Kit - SCH40

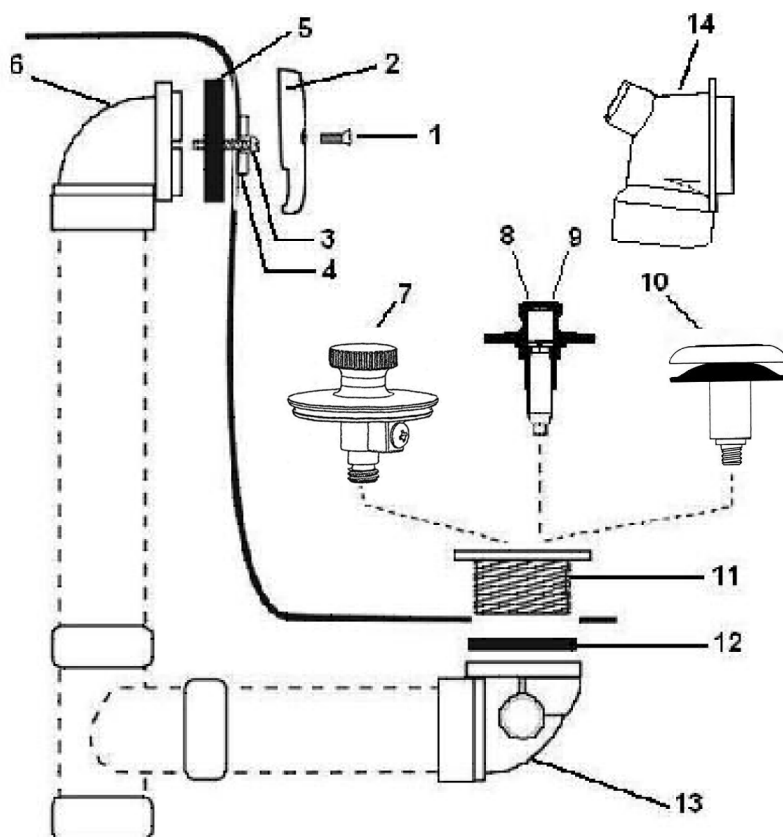
✓ For Submittal	Model Number	Description	Style	Drain Body	Finish
	PFW0320	W&O Half Kit - ABS SCH40	Lift & Turn	Zinc	Chrome plated trim
	PFW0321	W&O Half Kit - ABS SCH40	Toe Tap	Brass	Chrome plated trim
	PFW0322	W&O Half Kit - ABS SCH40	Lift & Turn	Brass	Chrome plated trim
	PFW0350	W&O Half Kit - PVC 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

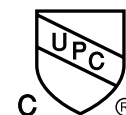
No.	Model Number	Part name	Material
1	PF402	Overflow plate screw	Brass
2		Overflow plate	Zinc
3	PF402BS	Adapter screw	Brass
4		Adapter bar	Aluminum
5	N/A	Overflow gasket	Rubber
6	N/A	Overflow elbow	PVC/ABS
7	PFW0900	Lift & Turn Stopper 3/8	Zinc
8	PFW0902	Push/Pull Stopper 3/8	Zinc
9	PFW0903	Push/Pull 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

\*Compatible with Lift & Turn stopper only (PFW0900)



### Warranty and Codes

This PROFLO product carries a 1-year limited warranty.



T-2

Standard Unit Bathtub

Aquarius GT36TO 60 x 36 Bathtub

Pfister JX8-310A T&S Valve

Pfister R89-8CBC T&S Trim

Proflo PFWO355 Chrome Waste and Overflow



## Soaking Tubs & Whirlpools

### **G GT36 TO**

60"L x 37.25"D x 22"H

Garden tub with oval bowl, left or right drain.

Also available as whirlpool system.



616

**G GT36 TO**

60" x 37.25" x 22"

WEIGHT: 95

LOAD FACTOR: 0.5

HANDED BY: DRAIN L/R

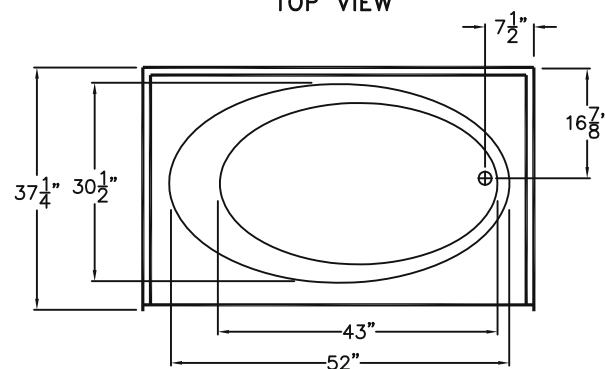
#### **AVAILABILITY:**

**NA-Northeast**

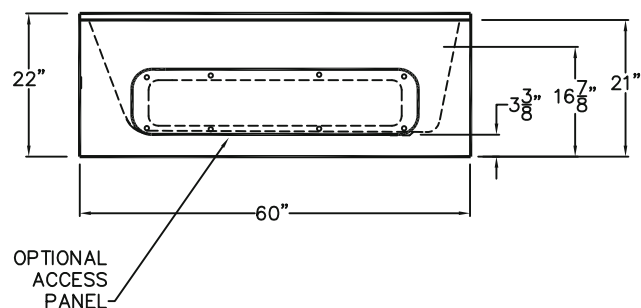
**NA-Mid-America**

**STD-South**

TOP VIEW



FRONT VIEW



**AQUARIUS**  
BATHWARE™

Special Notes: This unit complies with ANSI 124.1 and shall meet the requirements for Uniform Plumbing Code administered by NAHB and CSA.

Warranty: Gelcoat models have a 3 year limited warranty. Acrylic models have a 5 year limited warranty. Pumps, parts, and accessories 1 year limited warranty. For further details please refer to the complete warranty section. Due to the nature of the materials, dimensions may vary +/- 1/2".

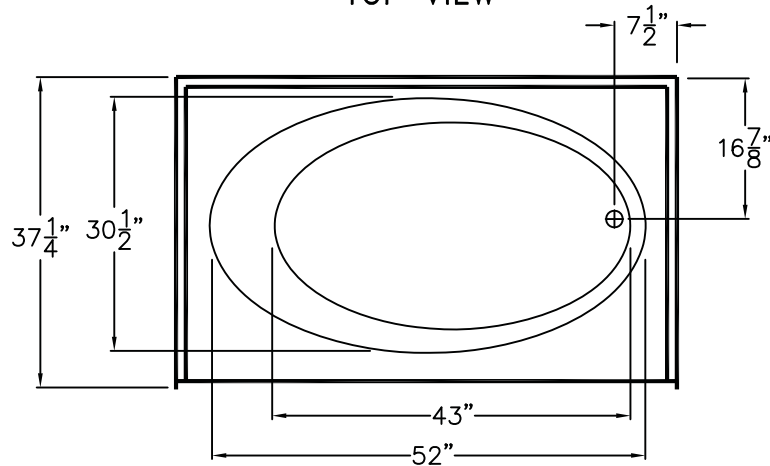
HANDED BY THE DRAIN

Model G GT 36 TO

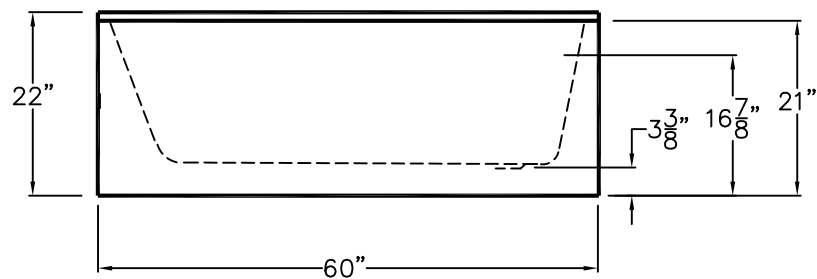
# Luxury Gelcoat Series

## SUBMITTAL DATA

TOP VIEW



FRONT VIEW



G GT36 TO. GELCOAT RECESS GARDEN STYLE BATHUB  
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: 1-26-01 Revised: 10-2-09
Rep.:	Quote No.:

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

## Pfirst Series™ Tub And Shower Valve

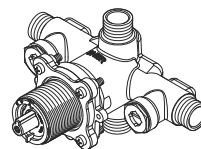
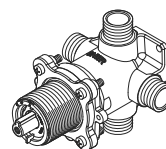
OX8-310A Finish(XX) ☐

OX8-340A Finish(XX) ☐

**JX8-310A Finish(XX) ☒**

JX8-340A Finish(XX) ☐

- Single Handle
- Valve Only
- Pforever Seal



## Specifications

### Features

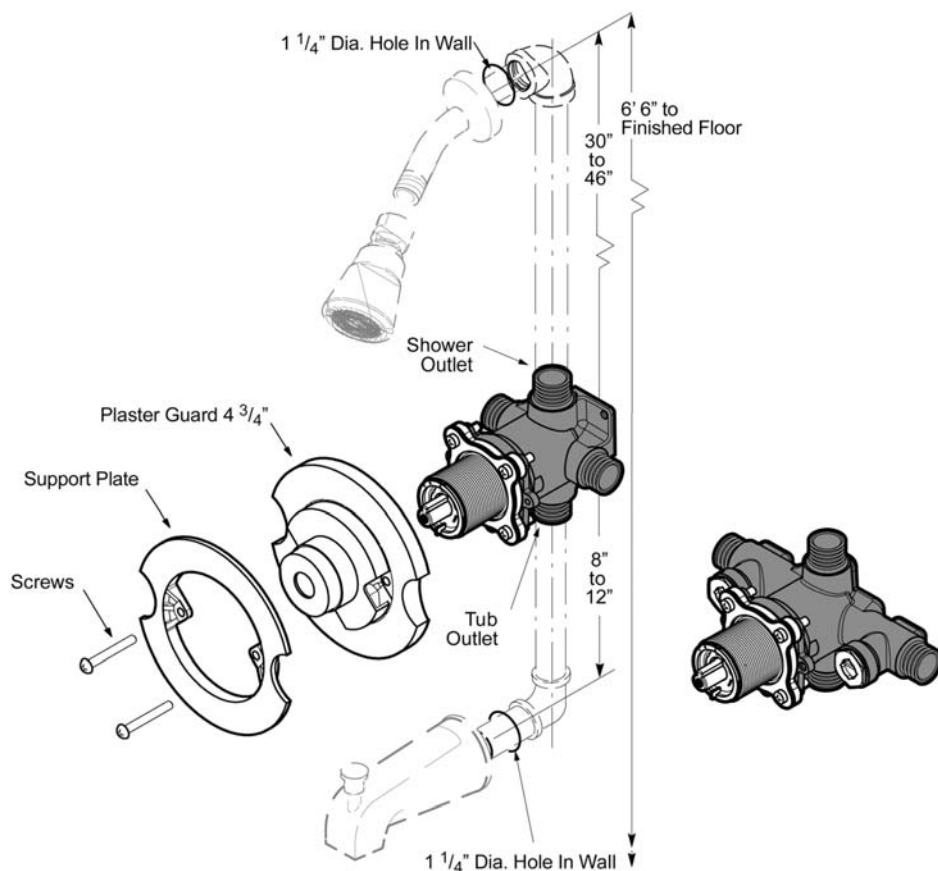
- Solid Brass Construction
- Back-to-Back Installation
- Includes Plug for Shower Only
- Dual 1/2" I.P. or 1/2" Copper Sweat Connections
- Job Pack Quantities (JX8 Only)
- Diaphragm Pressure Balance Valve
- Temperature Limit Stop Included
- Anti-Scald Shower Cartridge
- Integral Stops (340A Only)
- Valve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

### Code Compliance

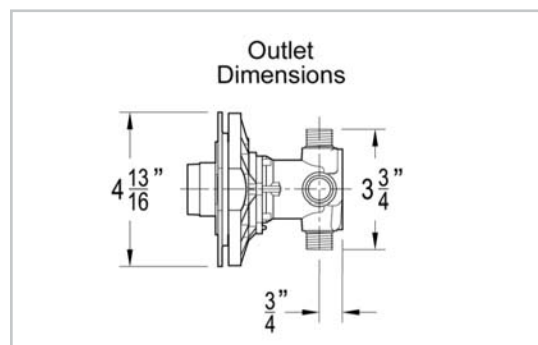
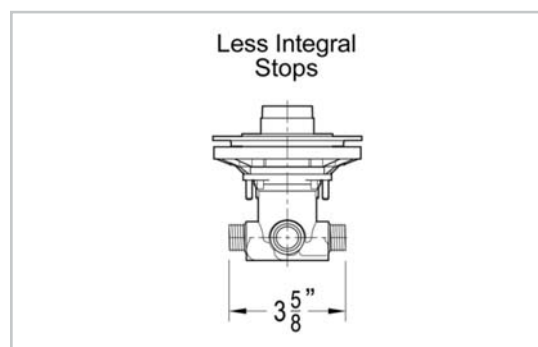
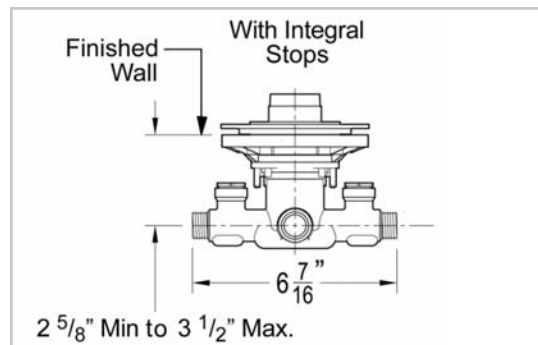
Pfister products are designed and manufactured in compliance with the following standards and codes:

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

## Dimensions



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

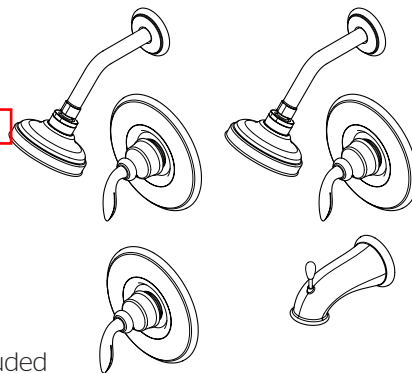


## Avalon™ Shower Trim

R89-1CBC Finish(CC) ☐  
R89-1CBK Finish(KK) ☐

R89-7CBC Finish(CC) ☐  
R89-7CBK Finish(KK) ☐  
R89-7CBY Finish(Y) ☐

R89-7CBY Finish(Y) ☐  
**R89-8CBC Finish(CC) ☐**  
R89-8CBK Finish(KK) ☐  
R89-8CBY Finish(Y) ☐



- Lever Handles
- Quick Connect
- Trim Only, Valve Not Included

## Specifications

### Features

- Complete Collection with Coordinating Lavatory and Roman Tub Options
- Metal Lever Handles
- Quick Trim Installation- Attaches Without Tools, No Exposed Screws
- Fits OX8 & JX8 Valve Bodies
- Fits TX8 & VB8 Valve Bodies (ICB Only)
- Valve Only (ICB Only)
- Shower Only (7CB Only)
- **Tub & Shower (8CB Only)**
- Threaded Tub Spout (8CB Only)
- 2.5 GPM Shower Head (ICB Exluded)
- Metal Shower Arm with Decorative Shower and Spout Flanges (ICB Excluded)
- Pforever Warranty®

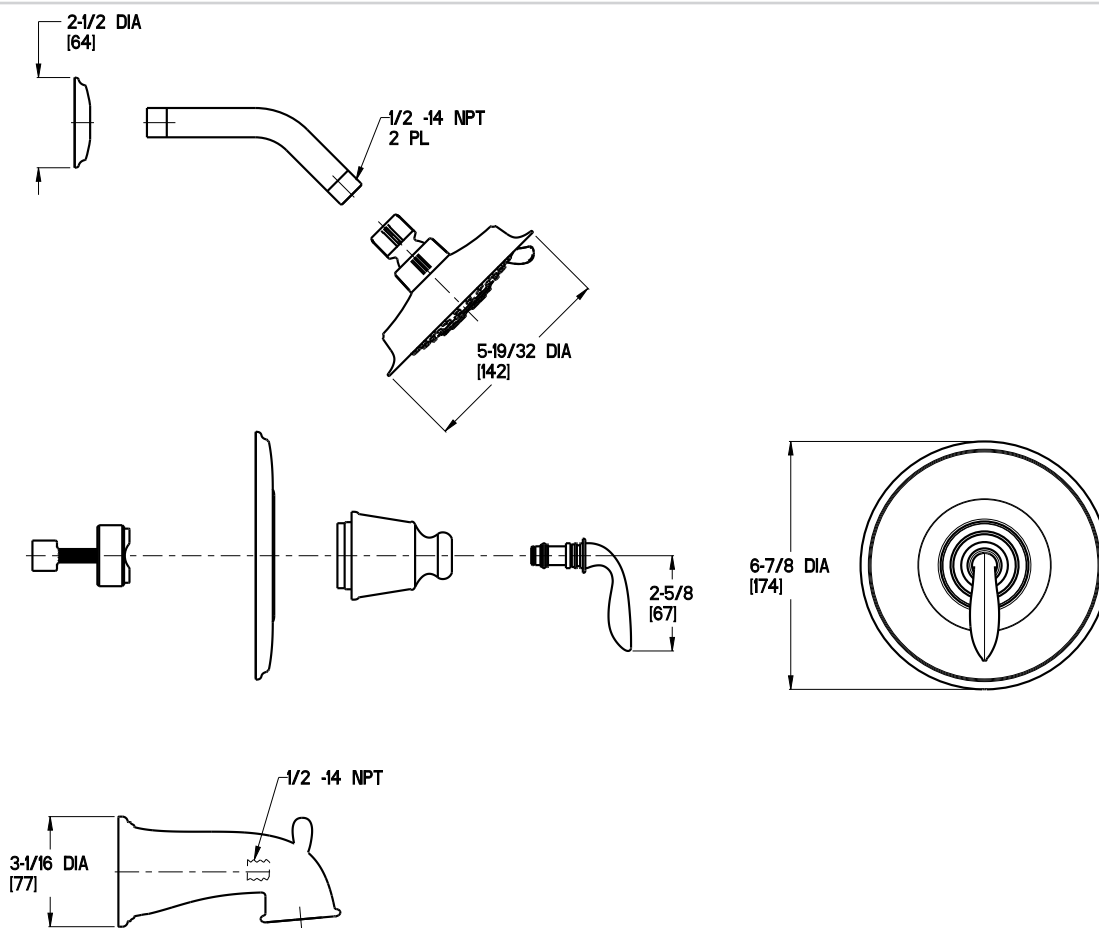
### Code Compliance

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
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



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

## PFW0320 /PFW0350 Series



### W&O Half Kit - SCH40

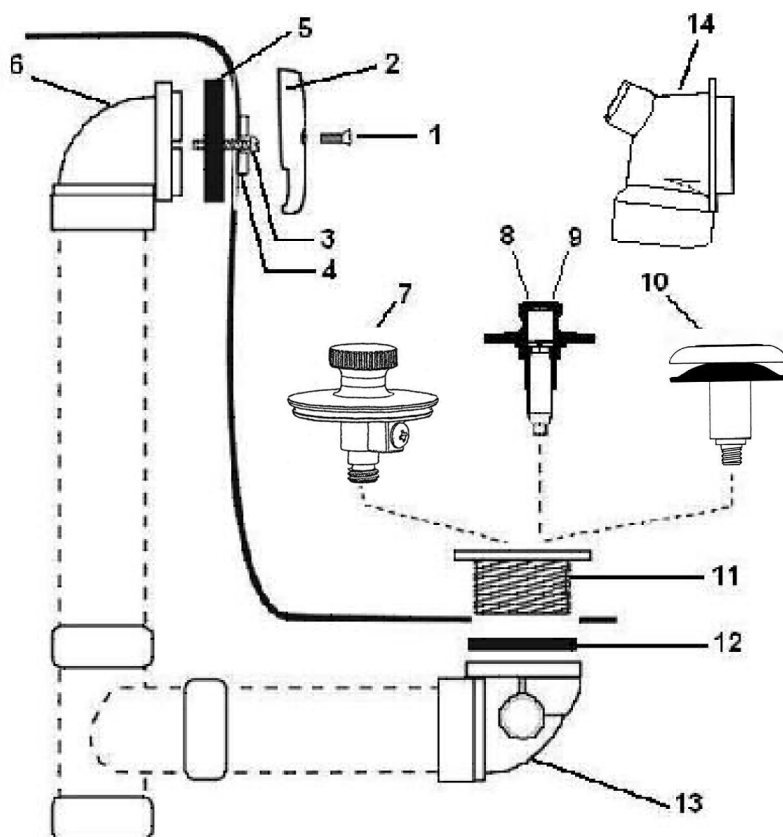
✓ For Submittal	Model Number	Description	Style	Drain Body	Finish
	PFW0320	W&O Half Kit - ABS SCH40	Lift & Turn	Zinc	Chrome plated trim
	PFW0321	W&O Half Kit - ABS SCH40	Toe Tap	Brass	Chrome plated trim
	PFW0322	W&O Half Kit - ABS SCH40	Lift & Turn	Brass	Chrome plated trim
	PFW0350	W&O Half Kit - PVC 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

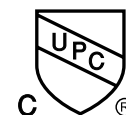
No.	Model Number	Part name	Material
1	PF402	Overflow plate screw	Brass
2		Overflow plate	Zinc
3	PF402BS	Adapter screw	Brass
4		Adapter bar	Aluminum
5	N/A	Overflow gasket	Rubber
6	N/A	Overflow elbow	PVC/ABS
7	PFW0900	Lift & Turn Stopper 3/8	Zinc
8	PFW0902	Push/Pull Stopper 3/8	Zinc
9	PFW0903	Push/Pull 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

\*Compatible with Lift & Turn stopper only (PFW0900)



### Warranty and Codes

This PROFLO product carries a 1-year limited warranty.



SH-1

Standard Unit Shower Stall

Sterling 72131100 Shower Base

Price Pfister JX8-310A T&S Valve

Price Pfister R89-7CBC Shower Trim

## Features

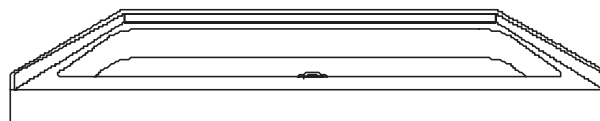
- Compression molded from our exclusive solid Vikrell® material
- Available with tile or curve wall surrounds
- Durable high-gloss finish
- 10-year consumer/3-year commercial limited warranty
- 60-1/4" (153 cm) x 34" (86.4 cm) x 5-1/2" (14 cm) receptor rough-in dimensions include nailing flange
- 60"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

## Codes/Standards Applicable

Specified model meets or exceeds the following:

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

## 60" (152.4 cm) SHOWER RECEPTOR 72131100



## Colors/Finishes

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

## Specified Model

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

# ENSEMBLE™

## Technical Information

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

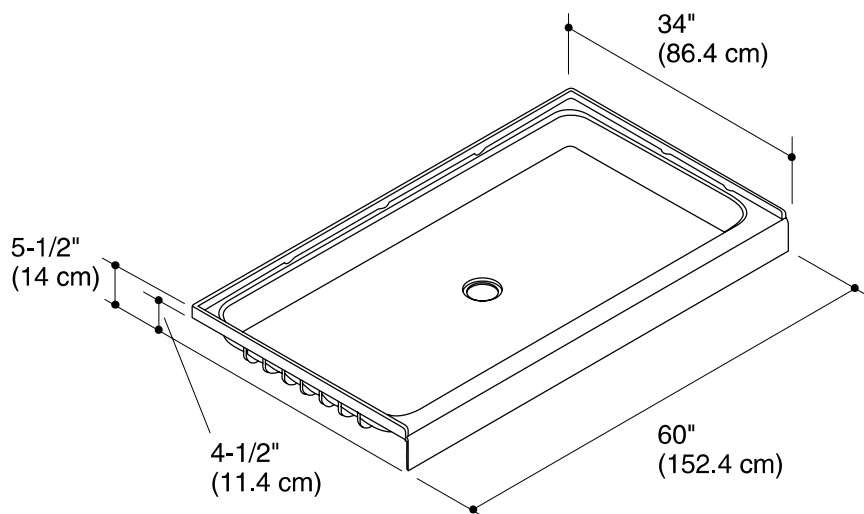
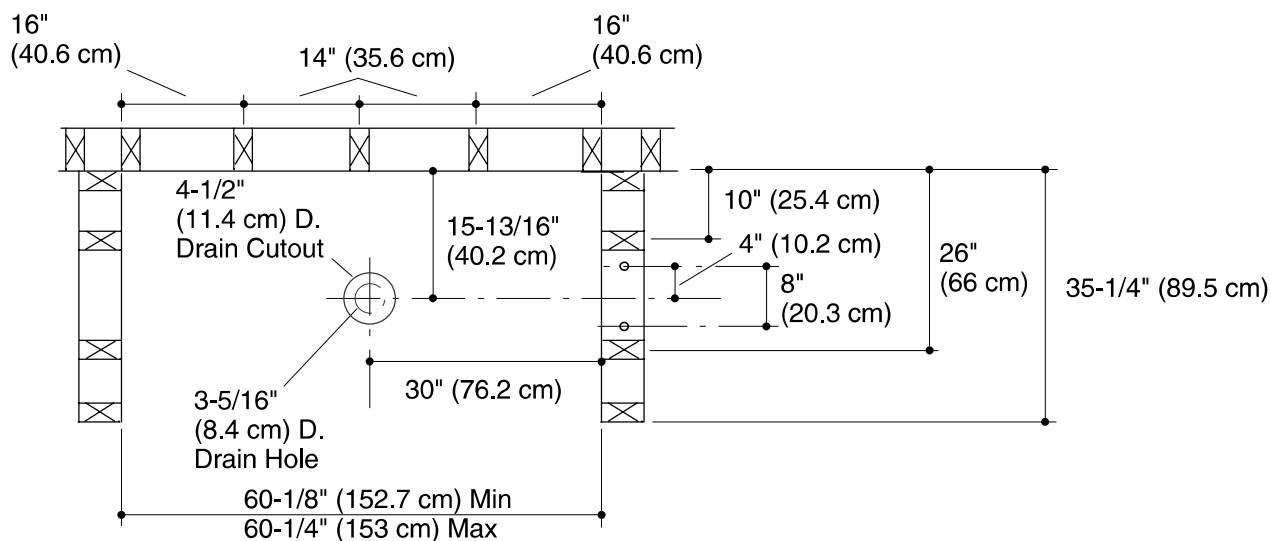
Size the drain cutout to fit the drain assembly that will be used.

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

ENSEMBLE™ 60" (152.4 cm) SHOWER RECEPTOR

Page 2 of 2  
1032665-4-D

**STERLING**  
A KOHLER COMPANY

## Pfirst Series™ Tub And Shower Valve

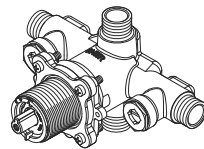
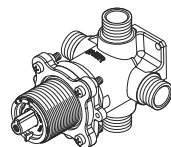
OX8-310A Finish(XX) ☐

OX8-340A Finish(XX) ☐

JX8-310A Finish(XX) ☒

JX8-340A Finish(XX) ☐

- Single Handle
- Valve Only
- Pforever Seal



## Specifications

### Features

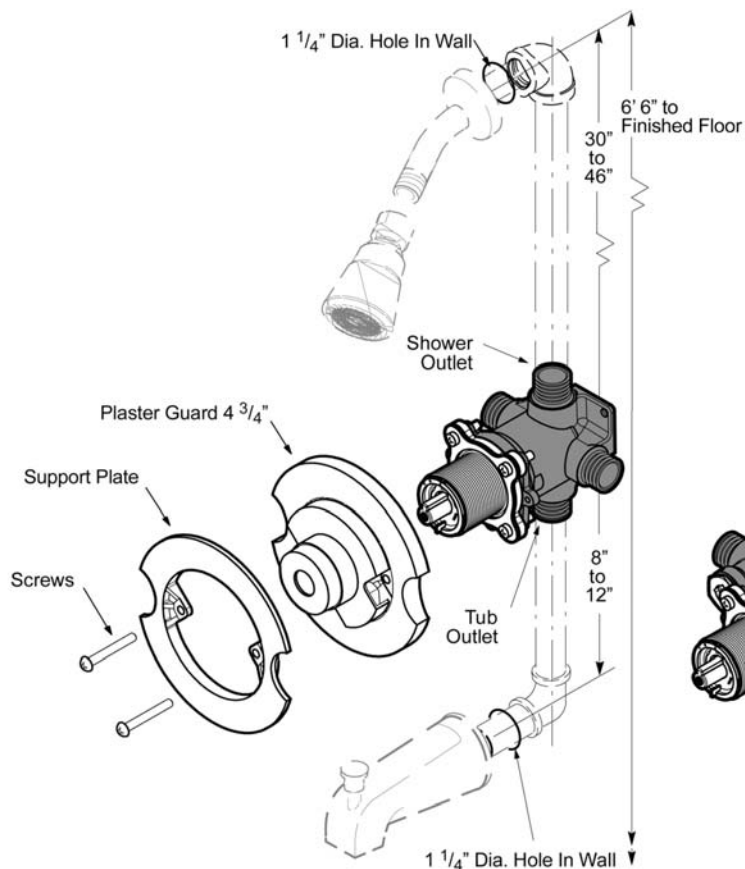
- Solid Brass Construction
- Back-to-Back Installation
- Includes Plug for Shower Only
- Dual 1/2" I.P. or 1/2" Copper Sweat Connections
- Job Pack Quantities (JX8 Only)
- Diaphragm Pressure Balance Valve
- Temperature Limit Stop Included
- Anti-Scald Shower Cartridge
- Integral Stops (340A Only)
- Valve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

### Code Compliance

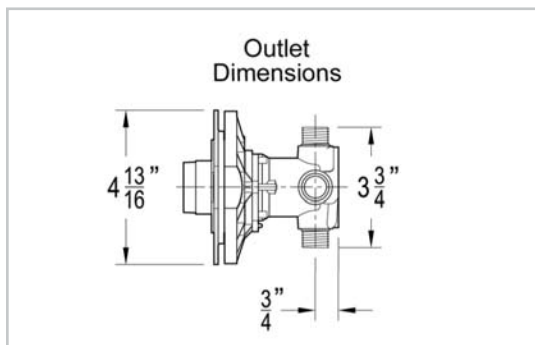
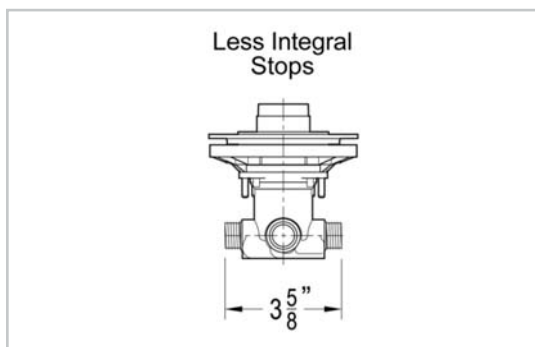
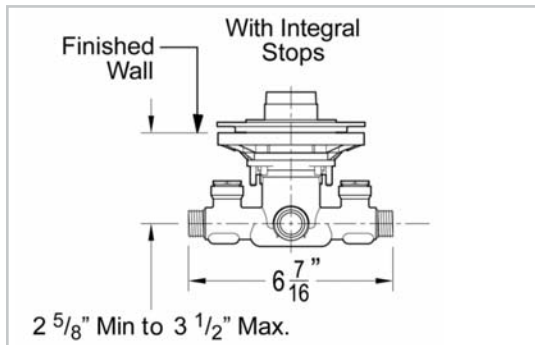
Pfister products are designed and manufactured in compliance with the following standards and codes:

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

## Dimensions

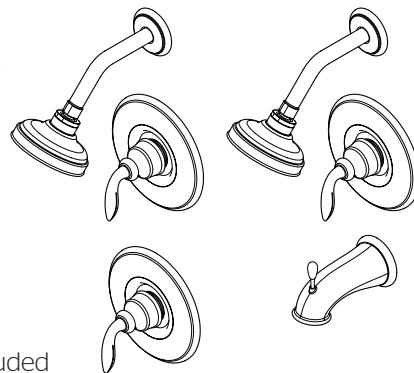


Ø1 Min to Ø1-1/2 Max. Deck Hole Openings



## Avalon™ Shower Trim

- |  |  |  |
|--|--|--|
| R89-1CBB Finish(CC) <input type="checkbox"/> | R89-7CBB Finish(CC) <input type="checkbox"/> | R89-7CBB Finish(YY) <input type="checkbox"/> |
| R89-1CBK Finish(KK) <input type="checkbox"/> | R89-7CBK Finish(KK) <input type="checkbox"/> | R89-8CBB Finish(CC) <input type="checkbox"/> |
|  | R89-7CBB Finish(YY) <input type="checkbox"/> | R89-8CBK Finish(KK) <input type="checkbox"/> |
|  |  | R89-8CBB Finish(YY) <input type="checkbox"/> |



- Lever Handles
- Quick Connect
- Trim Only, Valve Not Included

## Specifications

### Features

- Complete Collection with Coordinating Lavatory and Roman Tub Options
- Metal Lever Handles
- Quick Trim Installation- Attaches Without Tools, No Exposed Screws
- Fits OX8 & JX8 Valve Bodies
- Fits TX8 & VB8 Valve Bodies (ICB Only)
- Valve Only (ICB Only)
- Shower Only (7CB Only)
- Tub & Shower (8CB Only)
- Threaded Tub Spout (8CB Only)
- 2.5 GPM Shower Head (ICB Exluded)
- Metal Shower Arm with Decorative Shower and Spout Flanges (ICB Excluded)
- Pforever Warranty®

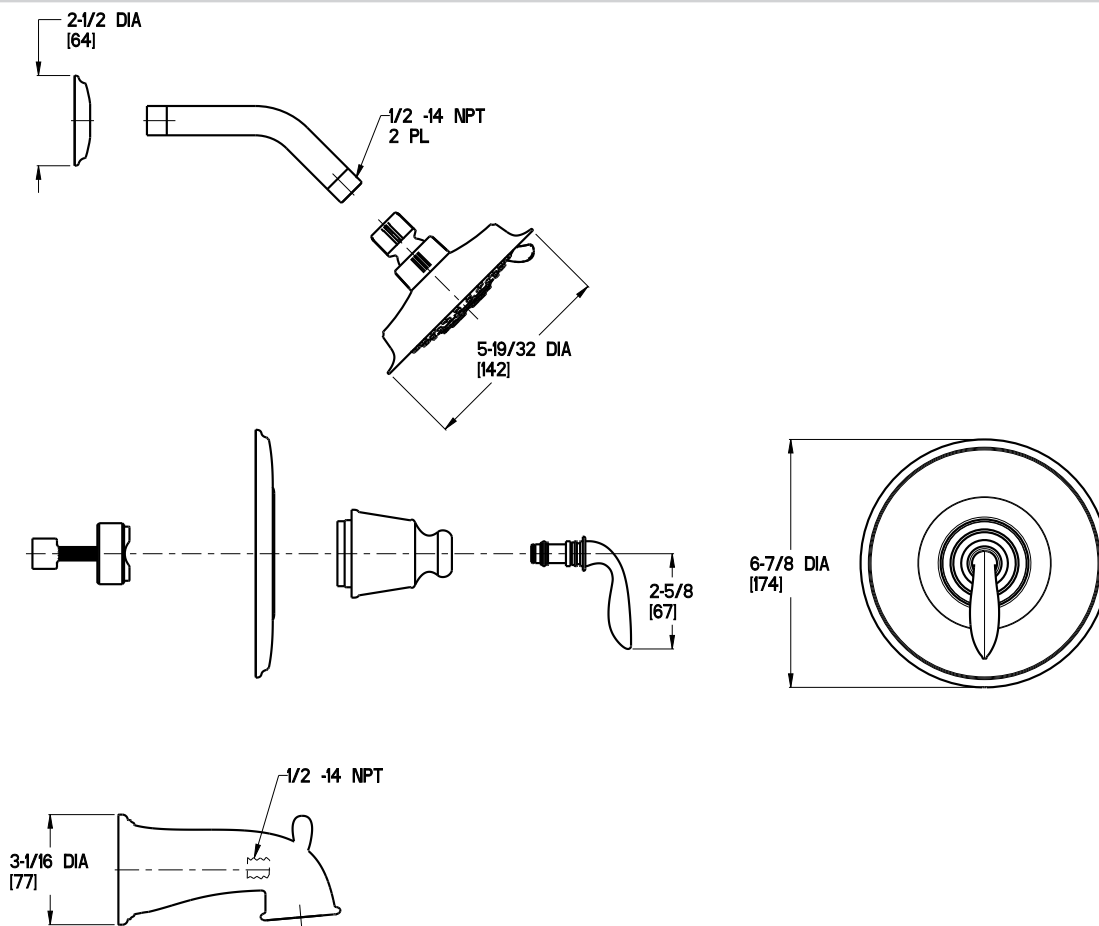
### Code Compliance

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
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



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

T-1

Penthouse Unit Bathtub

Aquarius G6030TOCS 60 x 30 Bathtub

Pfister JX8-310A T&S Valve

Pfister R89-8DFC T&S Trim

Proflo PFWO355 Chrome Waste and Overflow

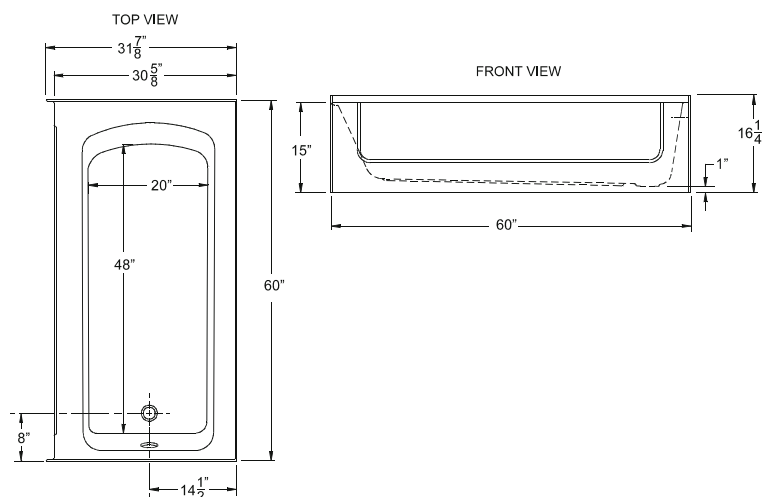


# RESIDENTIAL GELCOAT

Product Sheet

**G 6030 TO CS**

60" x 31.875" x 16.25"



## FEATURES

FINISH	PRODUCT	PIECES	STYLE
Gelcoat	Soaking Tub	One	Garden Tub

*Due to the nature of the materials, dimensions may vary +/- 0.5".*

## OPTIONS

WHIRLPOOL	GELCOAT COLORS	SOLID SURFACE COLORS	ACCESSORIES
Yes	White, Bone, Biscuit	Solids or Naturals	Drain

## TECHNICAL INFORMATION

WT	LOAD FACTOR	HANDED BY	CODES
80	0.55	Drain L R	ANSI 124.1, UPC

## WARRANTY

Gelcoat - 3 Year Limited  
Solid Surface - 10 Year Limited

## AVAILABILITY

NORTHEAST	MID / SOUTH
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Not Available



CUSTOMER SERVICE 800.443.7269

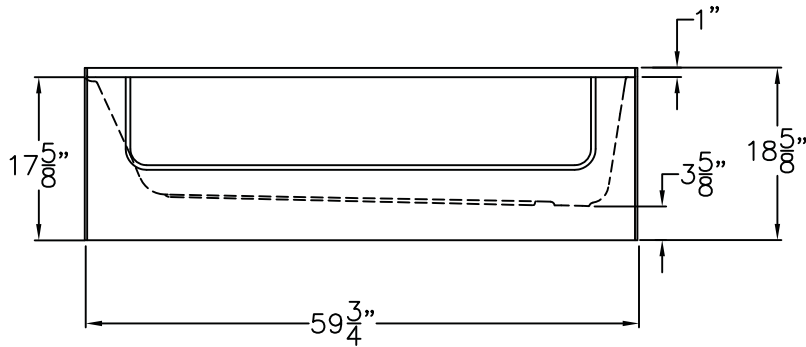
435 Industrial Road | Savannah, TN 38372 | Fax 731.925.4290 | [www.praxiscompanies.com](http://www.praxiscompanies.com)

Rev. 012014

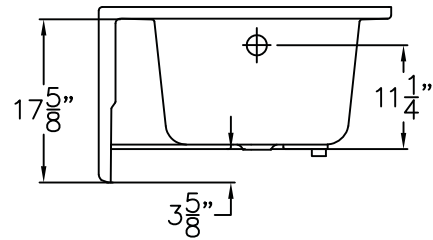
# LUXURY GELCOAT SERIES

## SUBMITTAL DATA

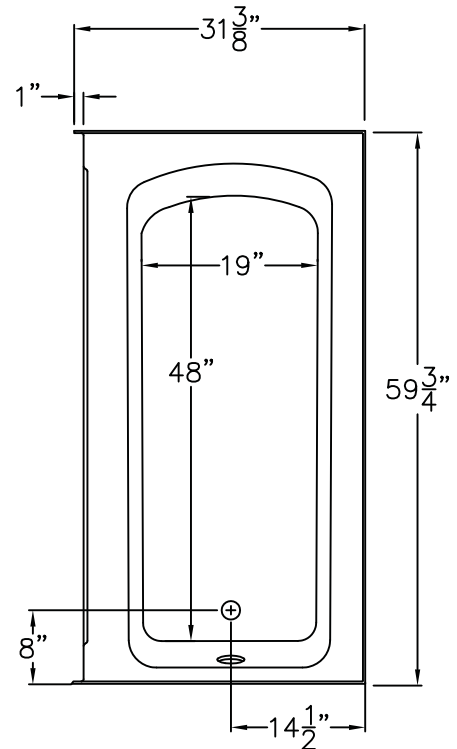
FRONT VIEW



END VIEW



TOP VIEW



TRADITIONAL DESIGN TUB WITH RECTANGULAR SHAPED BOWL, INTEGRAL APRON, ABOVE THE FLOOR ROUGH-IN AND LEFT OR RIGHT DRAIN LOCATION.

Unit Complies With ANSI Z124.1-2, NAHB, And UPC Codes.

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

Job Name:		AQUARIUS	
Model No.:		Drawing#: G6030 TO CS	
Approved by:	Date Approved:	Date: 2-9-07	Revised: 2-2-12
Rep.:	Wholesaler:	Quote No.:	

PRAXIS INDUSTRIES, LLC.  
435 INDUSTRIAL ROAD, SAVANNAH, TN 38372  
1 (800) 326-5489 - FAX (888) 246-0466

## Pfirst Series™ Tub And Shower Valve

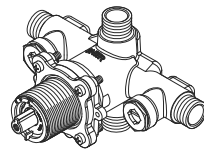
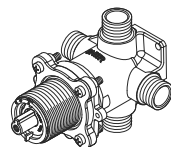
OX8-310A Finish(XX) ☐

OX8-340A Finish(XX) ☐

JX8-310A Finish(XX) ☒

JX8-340A Finish(XX) ☐

- Single Handle
- Valve Only
- Pforever Seal



## Specifications

### Features

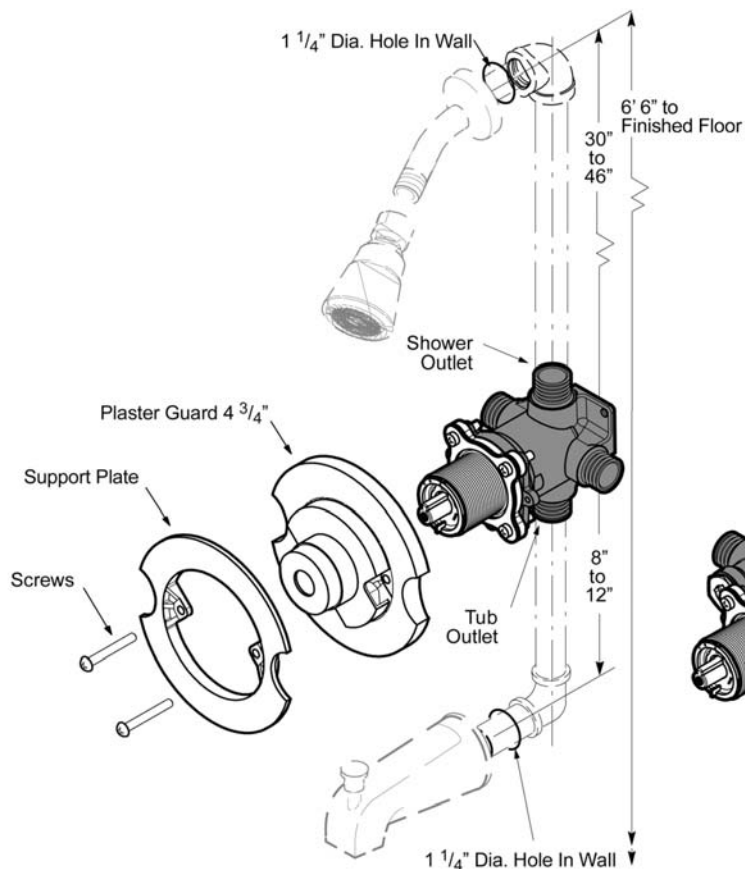
- Solid Brass Construction
- Back-to-Back Installation
- Includes Plug for Shower Only
- Dual 1/2" I.P. or 1/2" Copper Sweat Connections
- Job Pack Quantities (JX8 Only)
- Diaphragm Pressure Balance Valve
- Temperature Limit Stop Included
- Anti-Scald Shower Cartridge
- Integral Stops (340A Only)
- Valve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

### Code Compliance

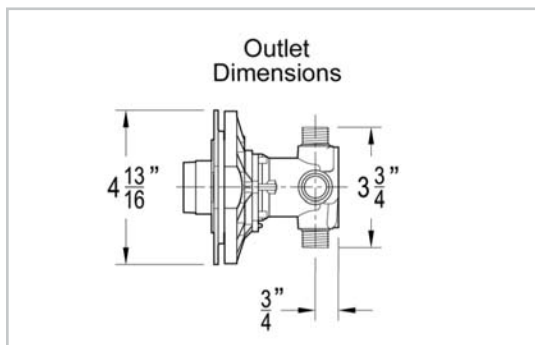
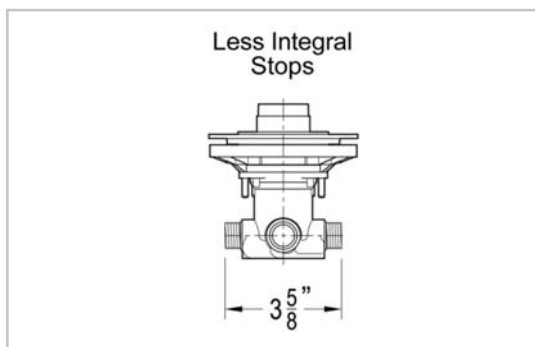
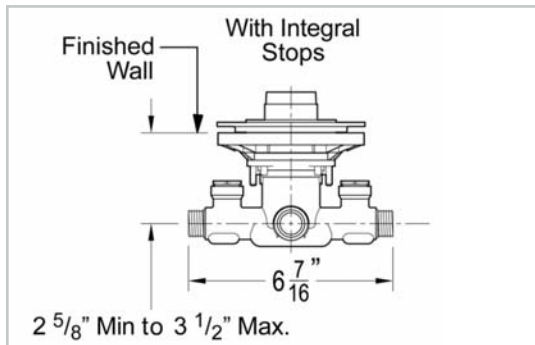
Pfister products are designed and manufactured in compliance with the following standards and codes:

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

## Dimensions



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



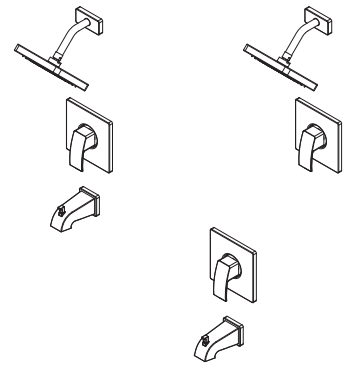
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R89-5DFK Finish(K) <input type="checkbox"/>	R89-8DFB Finish(B) <input type="checkbox"/>
R89-7DFB Finish(B) <input type="checkbox"/>	<b>R89-8DFC Finish(C) <input checked="" type="checkbox"/></b>
R89-5DFB Finish(B) <input type="checkbox"/>	R89-7DFC Finish(C) <input type="checkbox"/>
	R89-8DFK Finish(K) <input type="checkbox"/>

R89-5DFB Finish(B) ☐

R89-7DFC Finish(C) ☐

R89-8DFK Finish(K) ☐

- Single Control
- Single Hole Installation
- Pressure Balanced Valve



## Specifications

### Features

- EZ Clean (5DF Excluded)
- All Metal Construction
- Mounting Hardware Included
- Complete Collection with Coordinating Lavatory and Roman Tub Options
- Lever Handle
- Quick Trim Installation- Attaches Without Tools, No Exposed Screws
- Fits OX8 and JX8 Valve Bodies
- 2.5 GPM Shower Head (5DF Excluded)
- **Tub & Shower (8DF Only)**
- Shower Only (7DF Only)
- Tub Only (5DF Only)
- Metal Shower Arm and Flange (1DF Excluded)
- Quick Connect Tub Spout (7DF Excluded)
- Pforever Warranty®

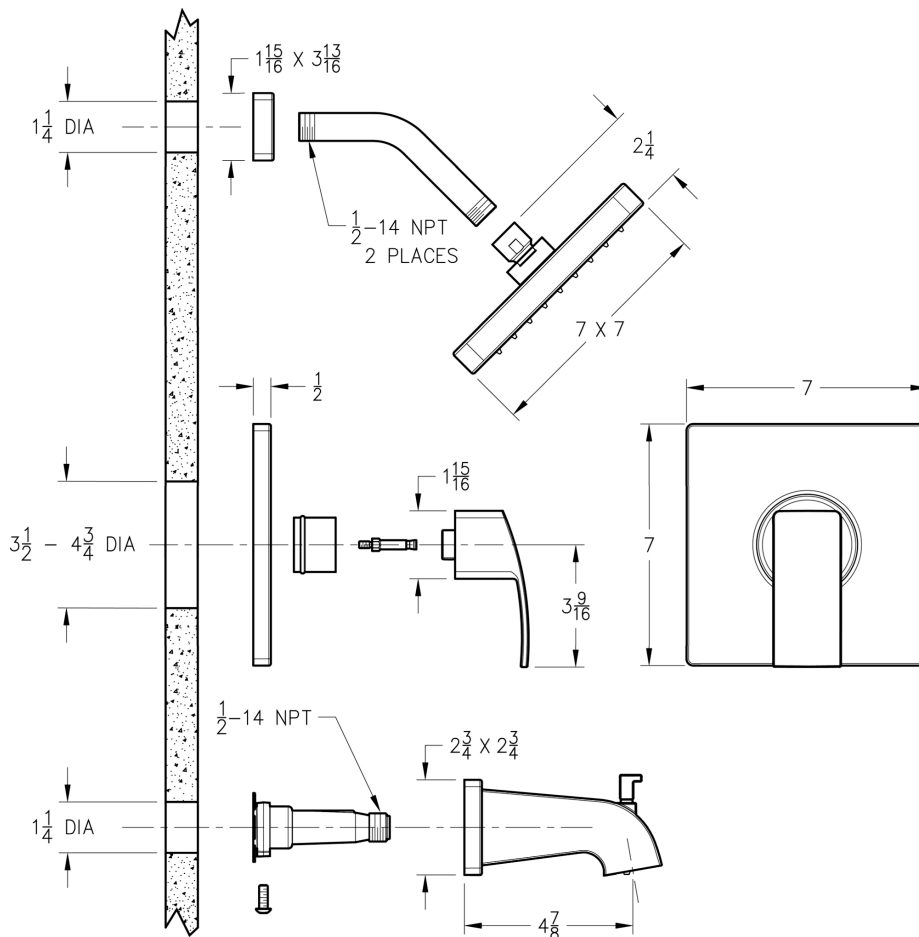
### Code Compliance

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
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



## PFW0320 /PFW0350 Series



### W&O Half Kit - SCH40

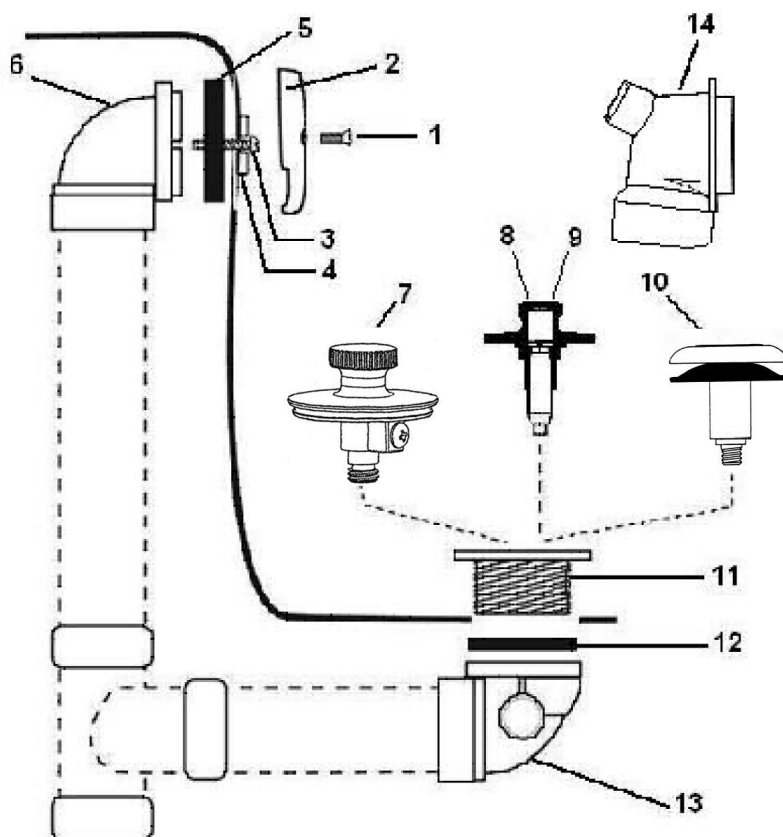
✓ For Submittal	Model Number	Description	Style	Drain Body	Finish
	PFW0320	W&O Half Kit - ABS SCH40	Lift & Turn	Zinc	Chrome plated trim
	PFW0321	W&O Half Kit - ABS SCH40	Toe Tap	Brass	Chrome plated trim
	PFW0322	W&O Half Kit - ABS SCH40	Lift & Turn	Brass	Chrome plated trim
	PFW0350	W&O Half Kit - PVC 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

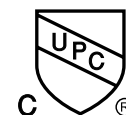
No.	Model Number	Part name	Material
1	PF402	Overflow plate screw	Brass
2		Overflow plate	Zinc
3	PF402BS	Adapter screw	Brass
4		Adapter bar	Aluminum
5	N/A	Overflow gasket	Rubber
6	N/A	Overflow elbow	PVC/ABS
7	PFW0900	Lift & Turn Stopper 3/8	Zinc
8	PFW0902	Push/Pull Stopper 3/8	Zinc
9	PFW0903	Push/Pull 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

\*Compatible with Lift & Turn stopper only (PFW0900)



### Warranty and Codes

This PROFLO product carries a 1-year limited warranty.



T-2

Penthouse Unit Bathtub

Aquarius GT36TO 60 x 36 Bathtub

Pfister JX8-310A T&S Valve

Pfister R89-8DFC T&S Trim

Proflo PFWO355 Chrome Waste and Overflow



## Soaking Tubs & Whirlpools

### **G GT36 TO**

60"L x 37.25"D x 22"H

Garden tub with oval bowl, left or right drain.

Also available as whirlpool system.



616

**G GT36 TO**

60" x 37.25" x 22"

WEIGHT: 95

LOAD FACTOR: 0.5

HANDED BY: DRAIN L/R

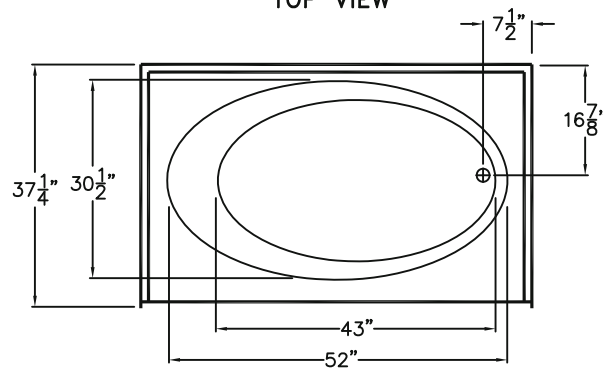
#### AVAILABILITY:

NA-Northeast

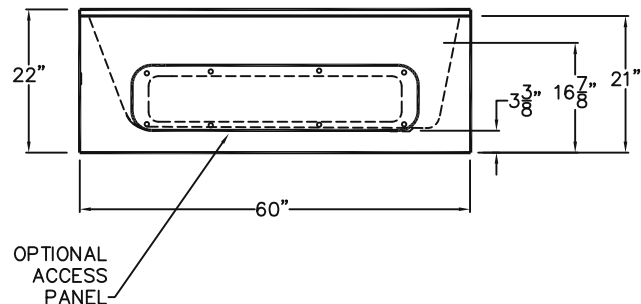
NA-Mid-America

STD-South

TOP VIEW



FRONT VIEW



Special Notes: This unit complies with ANSI 124.1 and shall meet the requirements for Uniform Plumbing Code administered by NAHB and CSA.

Warranty: Gelcoat models have a 3 year limited warranty. Acrylic models have a 5 year limited warranty. Pumps, parts, and accessories 1 year limited warranty. For further details please refer to the complete warranty section. Due to the nature of the materials, dimensions may vary +/- 1/2".

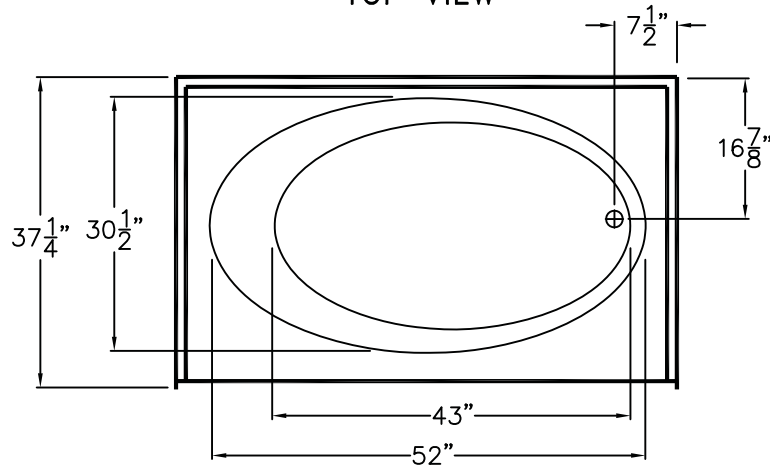
HANDED BY THE DRAIN

Model G GT 36 TO

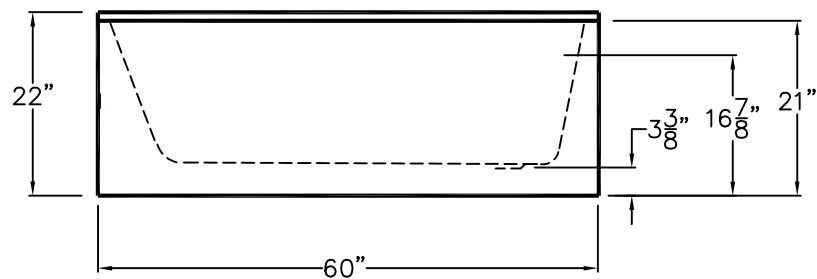
# Luxury Gelcoat Series

## SUBMITTAL DATA

TOP VIEW



FRONT VIEW



G GT36 TO. GELCOAT RECESS GARDEN STYLE BATHUB  
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:
Rep.:	Wholesaler:
	Quote No.:

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

## Pfirst Series™ Tub And Shower Valve

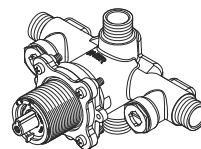
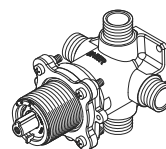
OX8-310A Finish(XX) ☐

OX8-340A Finish(XX) ☐

**JX8-310A Finish(XX) ☒**

JX8-340A Finish(XX) ☐

- Single Handle
- Valve Only
- Pforever Seal



## Specifications

### Features

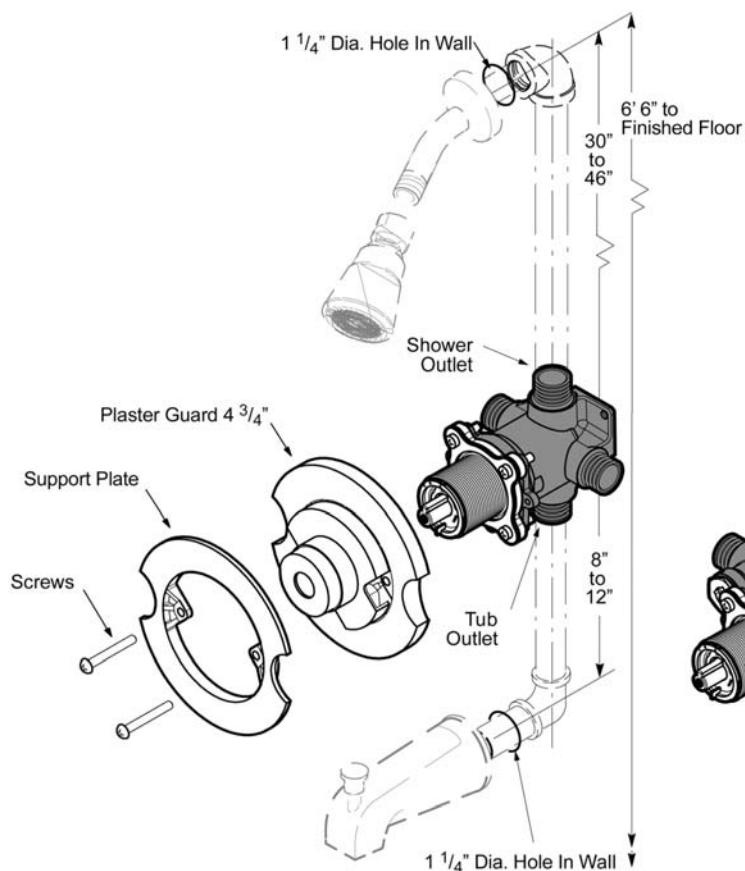
- Solid Brass Construction
- Back-to-Back Installation
- Includes Plug for Shower Only
- Dual 1/2" I.P. or 1/2" Copper Sweat Connections
- Job Pack Quantities (JX8 Only)
- Diaphragm Pressure Balance Valve
- Temperature Limit Stop Included
- Anti-Scald Shower Cartridge
- Integral Stops (340A Only)
- Valve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

### Code Compliance

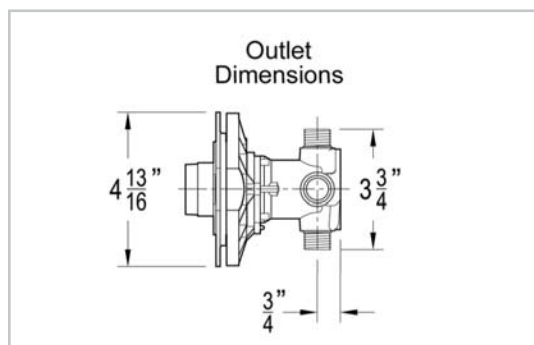
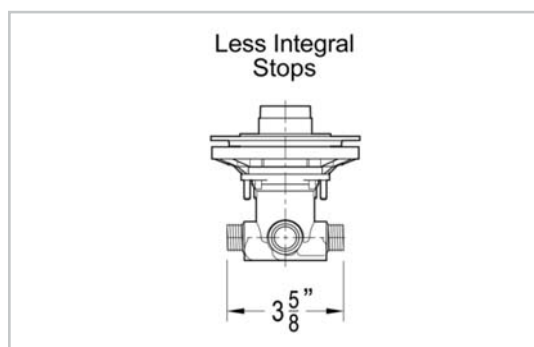
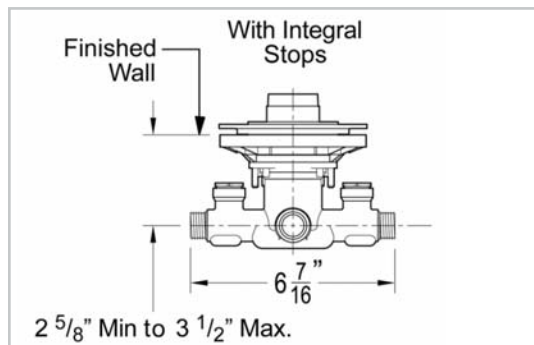
Pfister products are designed and manufactured in compliance with the following standards and codes:

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

## Dimensions



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



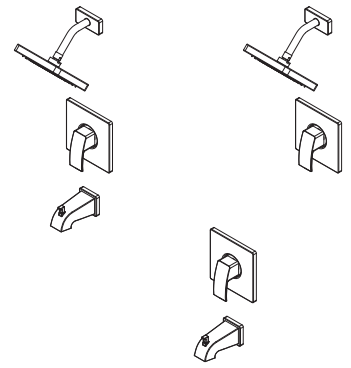
R89-5DFC Finish(C) <input type="checkbox"/>	R89-7DFK Finish(K) <input type="checkbox"/>
R89-5DFK Finish(K) <input type="checkbox"/>	R89-8DFB Finish(B) <input type="checkbox"/>
R89-7DFB Finish(B) <input type="checkbox"/>	<b>R89-8DFC Finish(C) <input checked="" type="checkbox"/></b>
R89-5DFB Finish(B) <input type="checkbox"/>	R89-7DFC Finish(C) <input type="checkbox"/>
	R89-8DFK Finish(K) <input type="checkbox"/>

R89-5DFB Finish(B) ☐

R89-7DFC Finish(C) ☐

R89-8DFK Finish(K) ☐

- Single Control
- Single Hole Installation
- Pressure Balanced Valve



## Specifications

### Features

- EZ Clean (5DF Excluded)
- All Metal Construction
- Mounting Hardware Included
- Complete Collection with Coordinating Lavatory and Roman Tub Options
- Lever Handle
- Quick Trim Installation- Attaches Without Tools, No Exposed Screws
- Fits OX8 and JX8 Valve Bodies
- 2.5 GPM Shower Head (5DF Excluded)
- **Tub & Shower (8DF Only)**
- Shower Only (7DF Only)
- Tub Only (5DF Only)
- Metal Shower Arm and Flange (1DF Excluded)
- Quick Connect Tub Spout (7DF Excluded)
- Pforever Warranty®

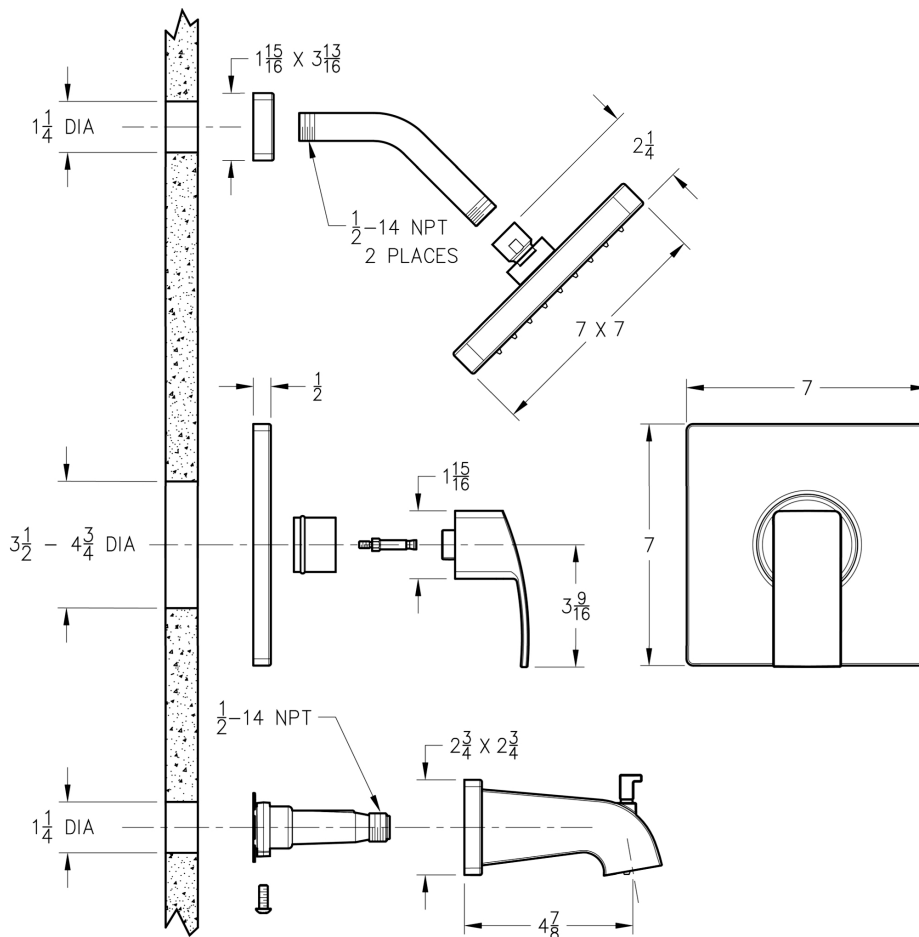
### Code Compliance

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
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



## PFW0320 /PFW0350 Series



### W&O Half Kit - SCH40

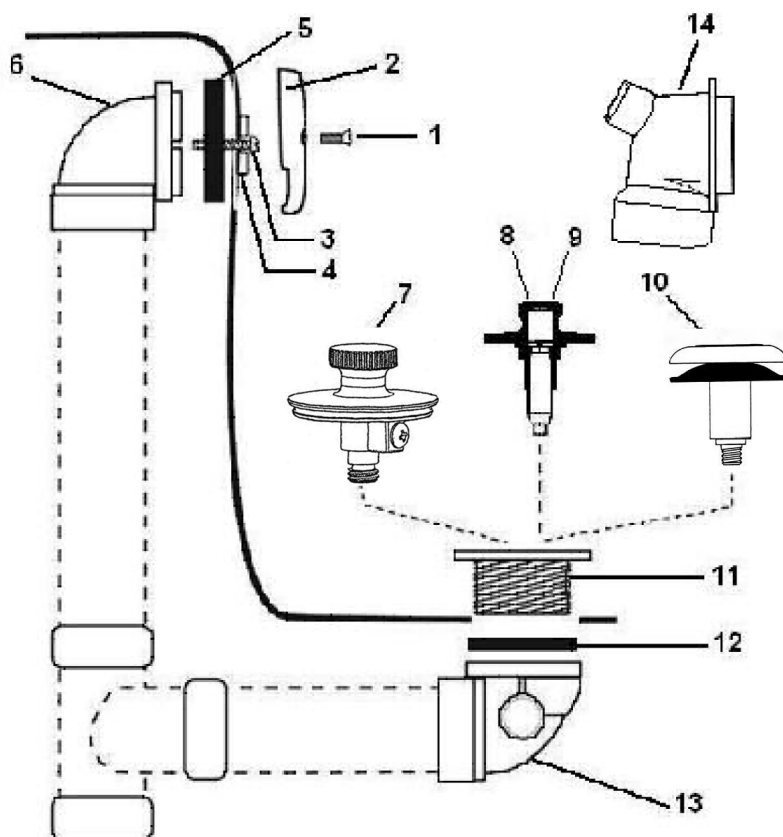
✓ For Submittal	Model Number	Description	Style	Drain Body	Finish
	PFW0320	W&O Half Kit - ABS SCH40	Lift & Turn	Zinc	Chrome plated trim
	PFW0321	W&O Half Kit - ABS SCH40	Toe Tap	Brass	Chrome plated trim
	PFW0322	W&O Half Kit - ABS SCH40	Lift & Turn	Brass	Chrome plated trim
	PFW0350	W&O Half Kit - PVC 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

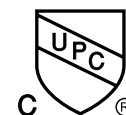
No.	Model Number	Part name	Material
1	PF402	Overflow plate screw	Brass
2		Overflow plate	Zinc
3	PF402BS	Adapter screw	Brass
4		Adapter bar	Aluminum
5	N/A	Overflow gasket	Rubber
6	N/A	Overflow elbow	PVC/ABS
7	PFW0900	Lift & Turn Stopper 3/8	Zinc
8	PFW0902	Push/Pull Stopper 3/8	Zinc
9	PFW0903	Push/Pull 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

\*Compatible with Lift & Turn stopper only (PFW0900)



### Warranty and Codes

This PROFLO product carries a 1-year limited warranty.



SH-1

Penthouse Unit Shower Stall

Sterling 72131100 Shower Base

Price Pfister JX8-310A T&S Valve

Price Pfister R89-7DFC Shower Trim

## Features

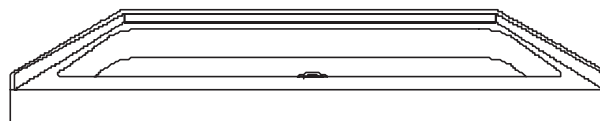
- *Compression molded from our exclusive solid Vikrell® material*
- *Available with tile or curve wall surrounds*
- *Durable high-gloss finish*
- *10-year consumer/3-year commercial limited warranty*
- *60-1/4" (153 cm) x 34" (86.4 cm) x 5-1/2" (14 cm) receptor rough-in dimensions include nailing flange*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

## Codes/Standards Applicable

Specified model meets or exceeds the following:

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

## 60" (152.4 cm) SHOWER RECEPTOR 72131100



## Colors/Finishes

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

## Specified Model

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

# ENSEMBLE™

## Technical Information

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

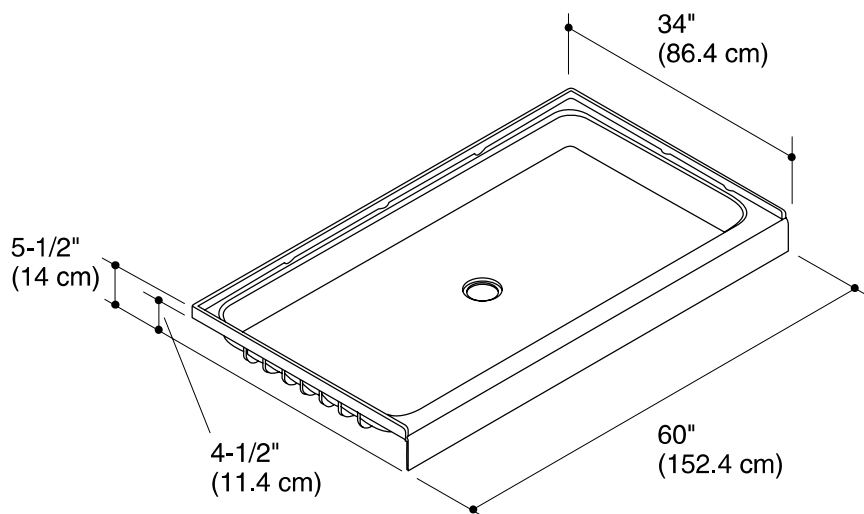
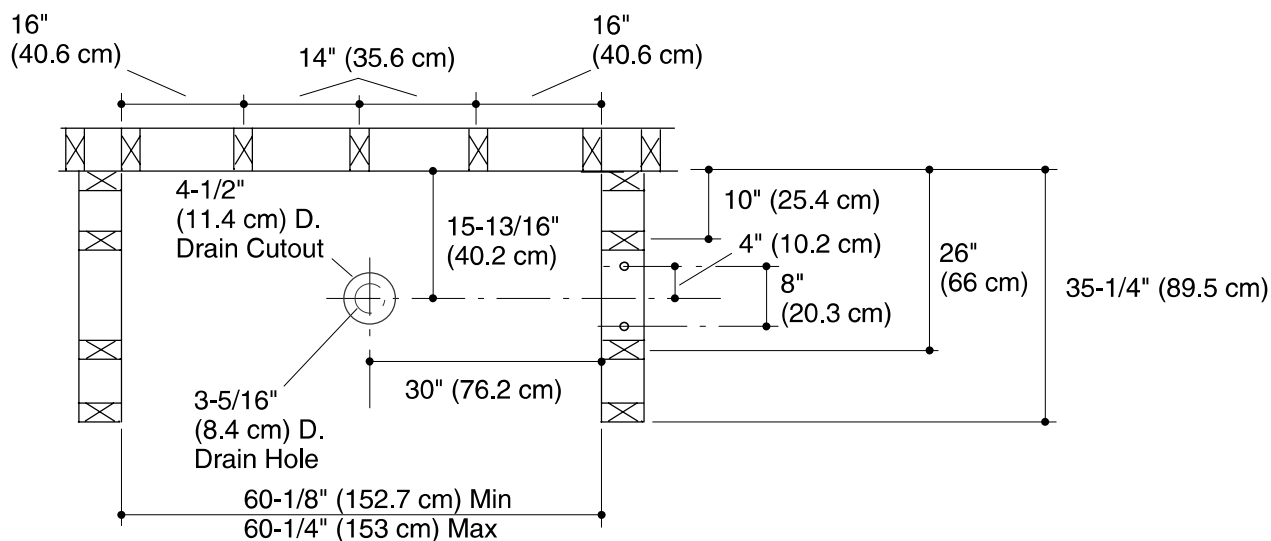
Size the drain cutout to fit the drain assembly that will be used.

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

ENSEMBLE™ 60" (152.4 cm) SHOWER RECEPTOR

## Pfirst Series™ Tub And Shower Valve

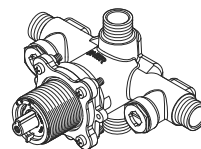
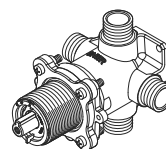
OX8-310A Finish(XX) ☐

OX8-340A Finish(XX) ☐

**JX8-310A Finish(XX) ☒**

JX8-340A Finish(XX) ☐

- Single Handle
- Valve Only
- Pforever Seal



## Specifications

### Features

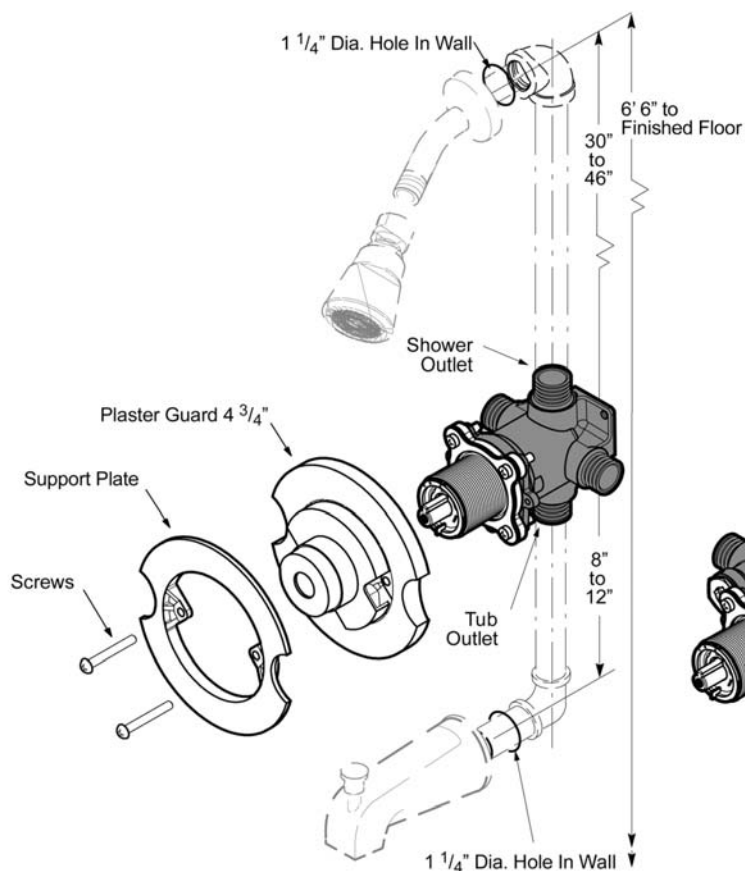
- Solid Brass Construction
- Back-to-Back Installation
- Includes Plug for Shower Only
- Dual 1/2" I.P. or 1/2" Copper Sweat Connections
- Job Pack Quantities (JX8 Only)
- Diaphragm Pressure Balance Valve
- Temperature Limit Stop Included
- Anti-Scald Shower Cartridge
- Integral Stops (340A Only)
- Valve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

### Code Compliance

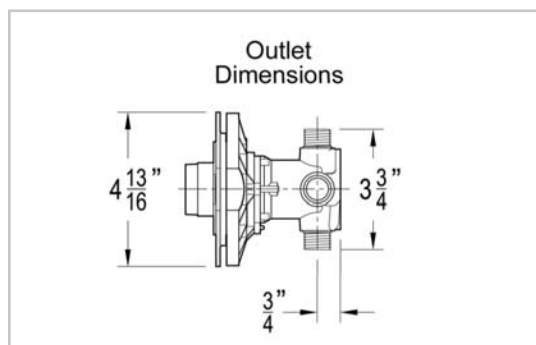
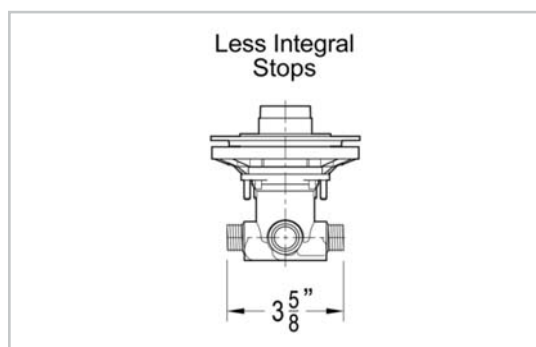
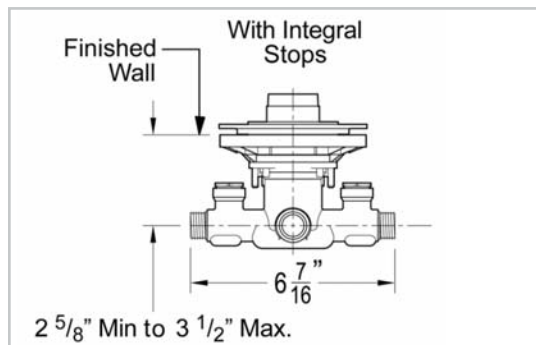
Pfister products are designed and manufactured in compliance with the following standards and codes:

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

## Dimensions



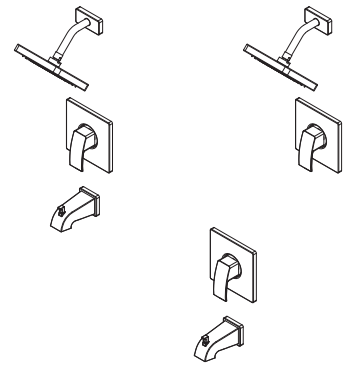
Ø1 Min to Ø1-1/2 Max. Deck Hole Openings



## Kenzo™ Shower Trim

R89-5DFC Finish(C) <input type="checkbox"/>	R89-7DFK Finish(K) <input type="checkbox"/>
R89-5DFK Finish(K) <input type="checkbox"/>	R89-8DFB Finish(B) <input type="checkbox"/>
R89-7DFB Finish(B) <input type="checkbox"/>	R89-8DFC Finish(C) <input type="checkbox"/>
R89-5DFB Finish(B) <input type="checkbox"/>	<b>R89-7DFC Finish(C) <input checked="" type="checkbox"/></b>
	R89-8DFK Finish(K) <input type="checkbox"/>

- Single Control
- Single Hole Installation
- Pressure Balanced Valve



## Specifications

### Features

- EZ Clean (5DF Excluded)
- All Metal Construction
- Mounting Hardware Included
- Complete Collection with Coordinating Lavatory and Roman Tub Options
- Lever Handle
- Quick Trim Installation- Attaches Without Tools, No Exposed Screws
- Fits OX8 and JX8 Valve Bodies
- 2.5 GPM Shower Head (5DF Excluded)
- Tub & Shower (8DF Only)
- **Shower Only (7DF Only)**
- Tub Only (5DF Only)
- Metal Shower Arm and Flange (1DF Excluded)
- Quick Connect Tub Spout (7DF Excluded)
- Pforever Warranty®

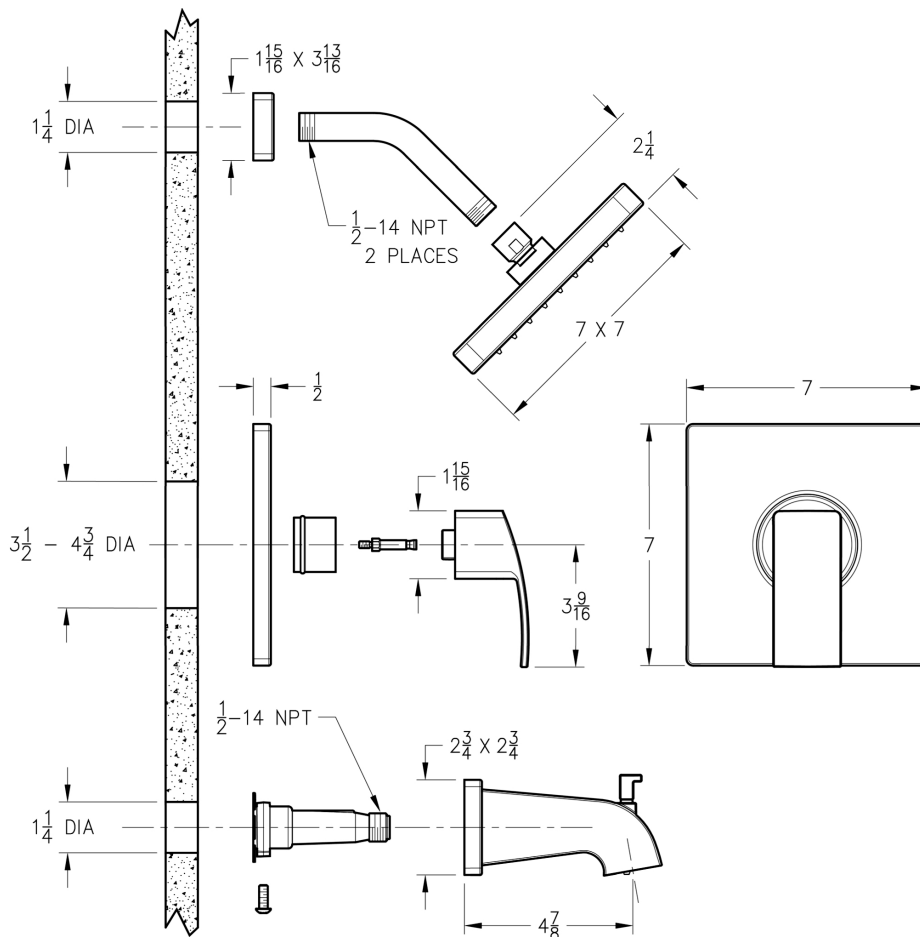
### Code Compliance

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
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



T-2 - Handheld

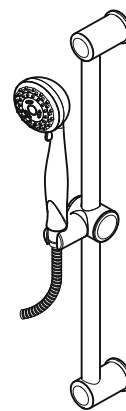
Pfister 016300C Handheld Shower with Slide Bar

## Pfirst Series™ Hand-Held Shower

016-300C Finish(CC) ☐  
 016-300K Finish(KK) ☐  
 016-300U Finish(UU) ☐  
 016-300Y Finish(Y) ☐

G16-300C Finish(CC) ☐  
 G16-300K Finish(KK) ☐  
 G16-300U Finish(UU) ☐  
 G16-300Y Finish(Y) ☐

- Valve Not Included
- 3 Function Hand Shower
- Includes Back Flow Prevention System
- 60" Metal Hose with Matching Finish



## Specifications

### Features

- 28" Brass Slide Bar
- 3 Function Hand Shower with Dual Check Valves
- 60" Metal Hose with Matching Finish
- Includes Back Flow Prevention
- Includes Hand Shower, Hose, Slide Bar, and Drop Elbow
- Self-Cleaning Spray Head

- 2.5 GPM Shower Head (O16 Only)
- 2.0 GPM Shower Head (G16 Only)
- Pforever Warranty®

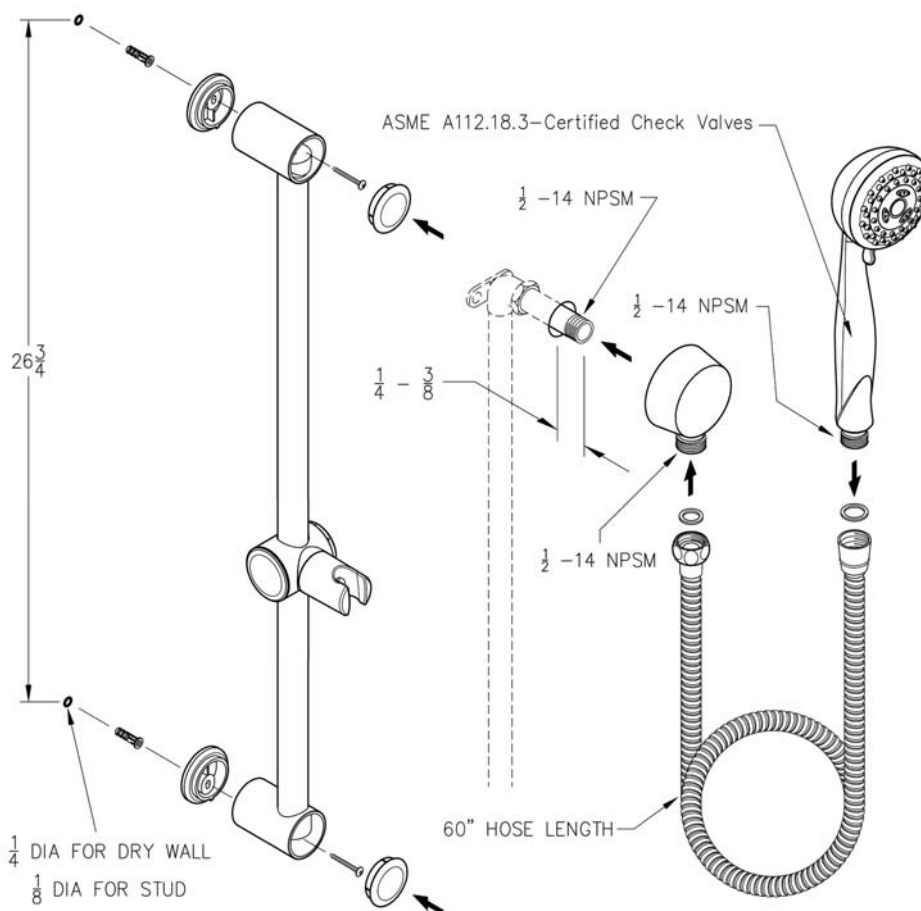
### Code Compliance

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

- IAPMO Certified
- CSA B125 Certified
- ASME A112.18.1
- Cal Green Compliant (O16 Only)



## Dimensions



KS-1

Standard Unit Kitchen Sink

MR Direct 3218C Kitchen sink

Price Pfister G529-PFCC Kitchen Faucet

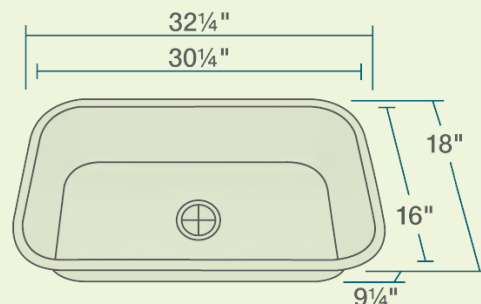
## 3218C Single Bowl Undermount Sink

### Stainless Steel

We are proud to introduce a new line of stainless steel kitchen sinks made in the USA. This new collection of kitchen sinks is made from 300-series stainless steel. Stainless steel sinks have remained the most popular choice in kitchens for decades. The sleek look and durability of steel makes our sinks the perfect fit for every kitchen. The high quality stainless steel is guaranteed not to rust or stain and the brushed satin finish helps to hide small scratches that naturally occur over time. All of our stainless steel sinks are backed by a limited lifetime warranty.



32 1/4" x 18 x 9 1/4"  
18-Gauge Steel  
Certified High-Quality 304 Stainless Steel  
Brushed Satin Finish  
Center Drain  
Thick Sound Dampener Rubber Pad  
Fully Insulated  
One-Piece Construction  
Lifetime Warranty



### Accessories



\*Accessories not included

UPC: 817299014805

### Features

<b>Undermount Installation</b> 	<b>33" Minimum Cabinet Size</b> 	<b>18 Gauge</b> 16G 18G 20G	<b>Cold Rolled Stainless Steel</b> 	<b>Brushed Satin Finish</b> 	<b>Center Drain 3 1/2"</b> 
<b>Sound Dampening</b> 	<b>Fully Insulated</b> 	<b>Cutout Template</b> 	<b>Installation Hardware Included</b> 	<b>Limited Lifetime Warranty</b> 	

# Pfister

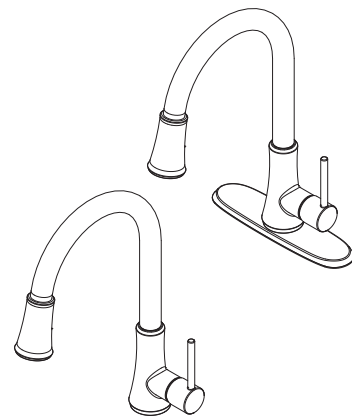
## Pfirst Series™

### Pull Down Kitchen Faucet

G529-PFCC Finish(CC) ☐

G529-PFSS Finish(SS) ☐

G529-PFYY Finish(YY) ☐



## Specifications

- 360° Rotating Spout

### Features

- 1.75 GPM Flow Rate
- 2 Function Pull-Down Sprayer
- 360° Rotating Spout
- Install With or Without Deck Plate
- Pfaster Connect
- Pforever Warranty®

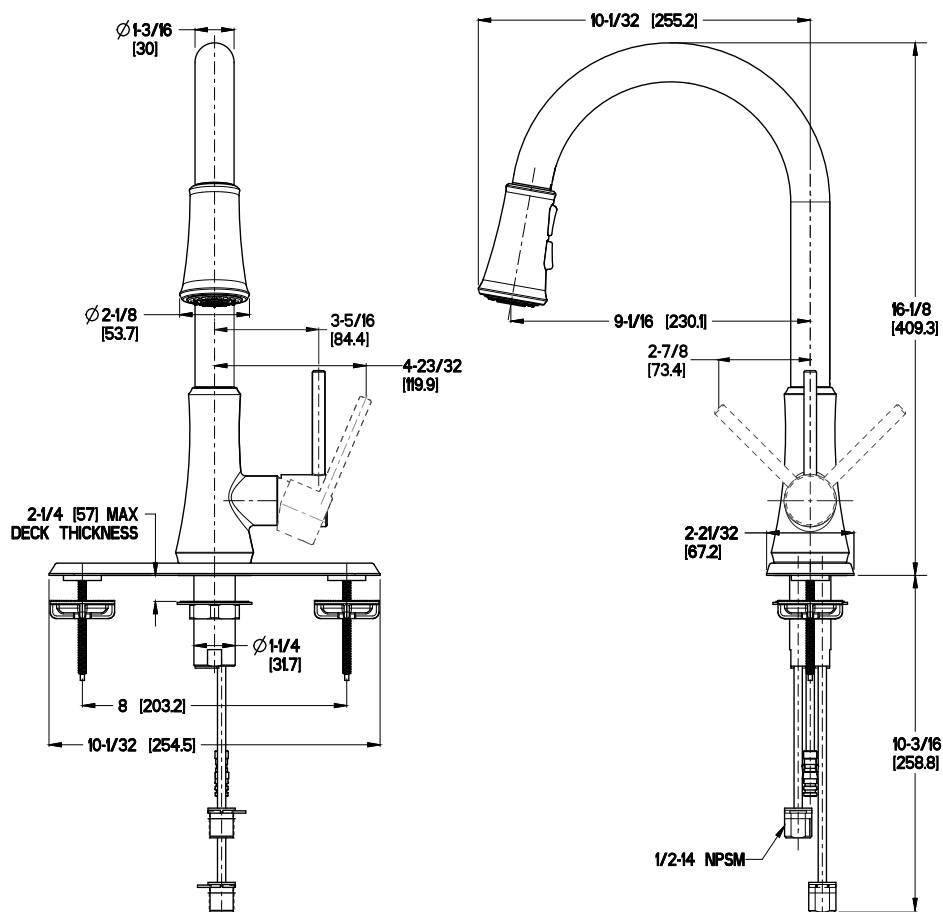
### Code Compliance

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)
- Cal Green Compliant
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



$\phi 1\text{-}3/8$  Min to  $\phi 1\text{-}1/2$  Max. Deck Hole Openings

KS-1

Standard Unit with 33" Base Cabinet Kitchen Sink

MR Direct US1030 Kitchen sink

Price Pfister G529-PFCC Kitchen Faucet

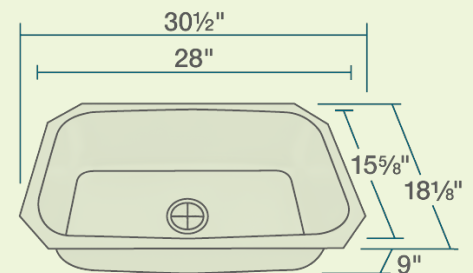
## US1030 Kitchen Sink

### Stainless Steel

Stainless Steel is the most popular choice for today's kitchens due to its clean look and durability. The beautiful brushed satin finish helps to hide small scratches that may occur over the lifetime of the sink. Our Stainless Steel sinks are made from high quality 16, 18, 20 or 24 gauge steel. Most models are made of one piece construction that ensures the sturdiest kitchen sink you will find. Our sinks are made from 304 steel and are guaranteed not to rust or stain. Each sink is fully insulated and has a sound dampening pad. Our stainless steel sinks are backed by a limited lifetime warranty. Each sink comes with a cardboard cutout template and mounting hardware.



30 1/2" x 18 1/8" x 9"  
18-Gauge Steel  
Certified High-Quality 300 Series Stainless Steel  
Brushed Satin Finish  
Center Drain  
Thick Sound Dampener Rubber Pad  
Fully Insulated  
Cardboard Cutout Template Included  
Installation Hardware Included  
Lifetime Warranty



### Accessories



\*Accessories not included

UPC: 819084010122

### Features

<b>Undermount Installation</b> 	<b>33" Minimum Cabinet Size</b> 	<b>18 Gauge</b> 16G 18G 20G 24G	<b>Cold Rolled Stainless Steel</b> 	<b>Made in the U.S.A.</b> 	<b>Brushed Satin Finish</b> 
<b>Center Drain 3 1/2"</b> 	<b>Sound Dampening</b> 	<b>Fully Insulated</b> 	<b>Cutout Template</b> 	<b>Installation Hardware Included</b> 	<b>Limited Lifetime Warranty</b> 

# Pfister

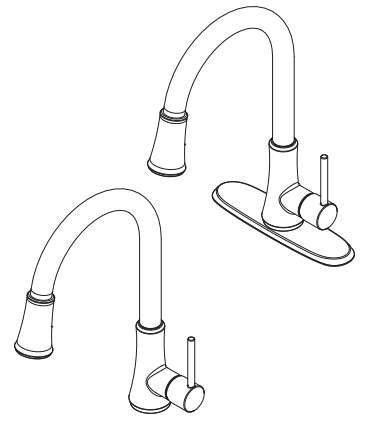
## Pfirst Series™

### Pull Down Kitchen Faucet

G529-PFCC Finish(CC) ☐

G529-PFSS Finish(SS) ☐

G529-PFYY Finish(YY) ☐



## Specifications

### Features

- 1.75 GPM Flow Rate
- 2 Function Pull-Down Sprayer
- 360° Rotating Spout
- Install With or Without Deck Plate
- Pfaster Connect
- Pforever Warranty®

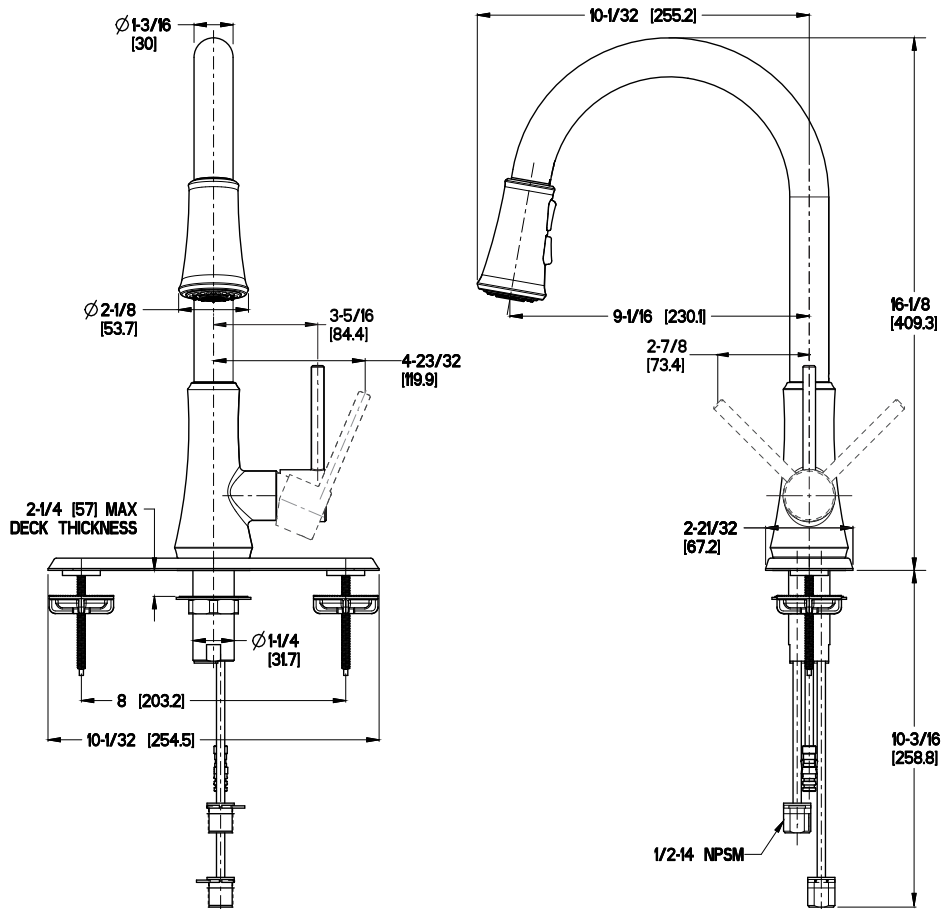
### Code Compliance

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)
- Cal Green Compliant
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



$\phi 1\text{-}3/8$  Min to  $\phi 1\text{-}1/2$  Max. Deck Hole Openings

KS-1

Penthouse Unit Kitchen Sink

MR Direct 3218C Kitchen sink

Vigo VG02001 Chrome Kitchen Faucet

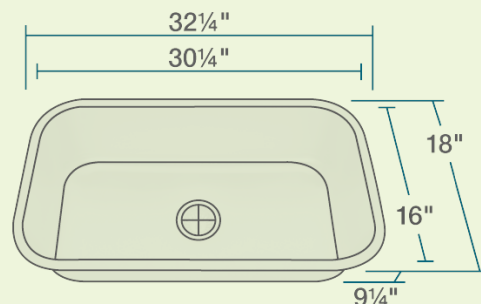
## 3218C Single Bowl Undermount Sink

### Stainless Steel

We are proud to introduce a new line of stainless steel kitchen sinks made in the USA. This new collection of kitchen sinks is made from 300-series stainless steel. Stainless steel sinks have remained the most popular choice in kitchens for decades. The sleek look and durability of steel makes our sinks the perfect fit for every kitchen. The high quality stainless steel is guaranteed not to rust or stain and the brushed satin finish helps to hide small scratches that naturally occur over time. All of our stainless steel sinks are backed by a limited lifetime warranty.



32 1/4" x 18 x 9 1/4"  
18-Gauge Steel  
Certified High-Quality 304 Stainless Steel  
Brushed Satin Finish  
Center Drain  
Thick Sound Dampener Rubber Pad  
Fully Insulated  
One-Piece Construction  
Lifetime Warranty



### Accessories



\*Accessories not included

UPC: 817299014805

### Features

<b>Undermount Installation</b> 	<b>33" Minimum Cabinet Size</b> 	<b>18 Gauge</b> 16G 18G 20G	<b>Cold Rolled Stainless Steel</b> 	<b>Brushed Satin Finish</b> 	<b>Center Drain 3 1/2"</b> 
<b>Sound Dampening</b> 	<b>Fully Insulated</b> 	<b>Cutout Template</b> 	<b>Installation Hardware Included</b> 	<b>Limited Lifetime Warranty</b> 	

## FAUCET SPECIFICATIONS

# Pull-Down Spray Kitchen Faucet Model VG02001

MODEL VG02001

CHROME FINISH

## FEATURES

- Solid brass construction
- Spiral pull-down spray head
- Spray face that resist mineral build up
- Finish resist corrosion and tarnishing
- Ceramic disk cartridge
- Single hole construction
- 360° Swivel
- Single lever sprayer

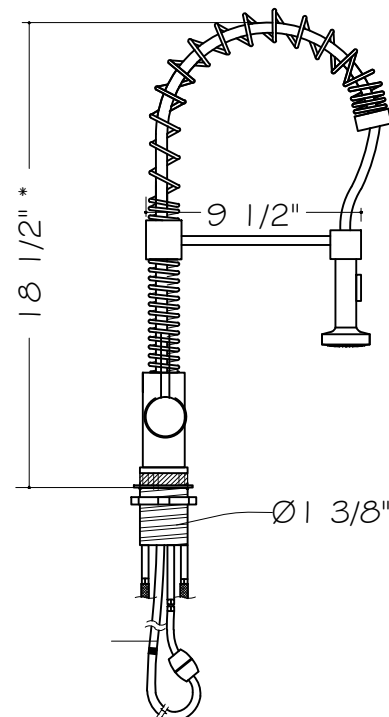
## PACKING LIST

- Faucet Assembly
- Sprayer
- Allen Key
- Two Metal braided hoses
- Weight
- Plastic Holder

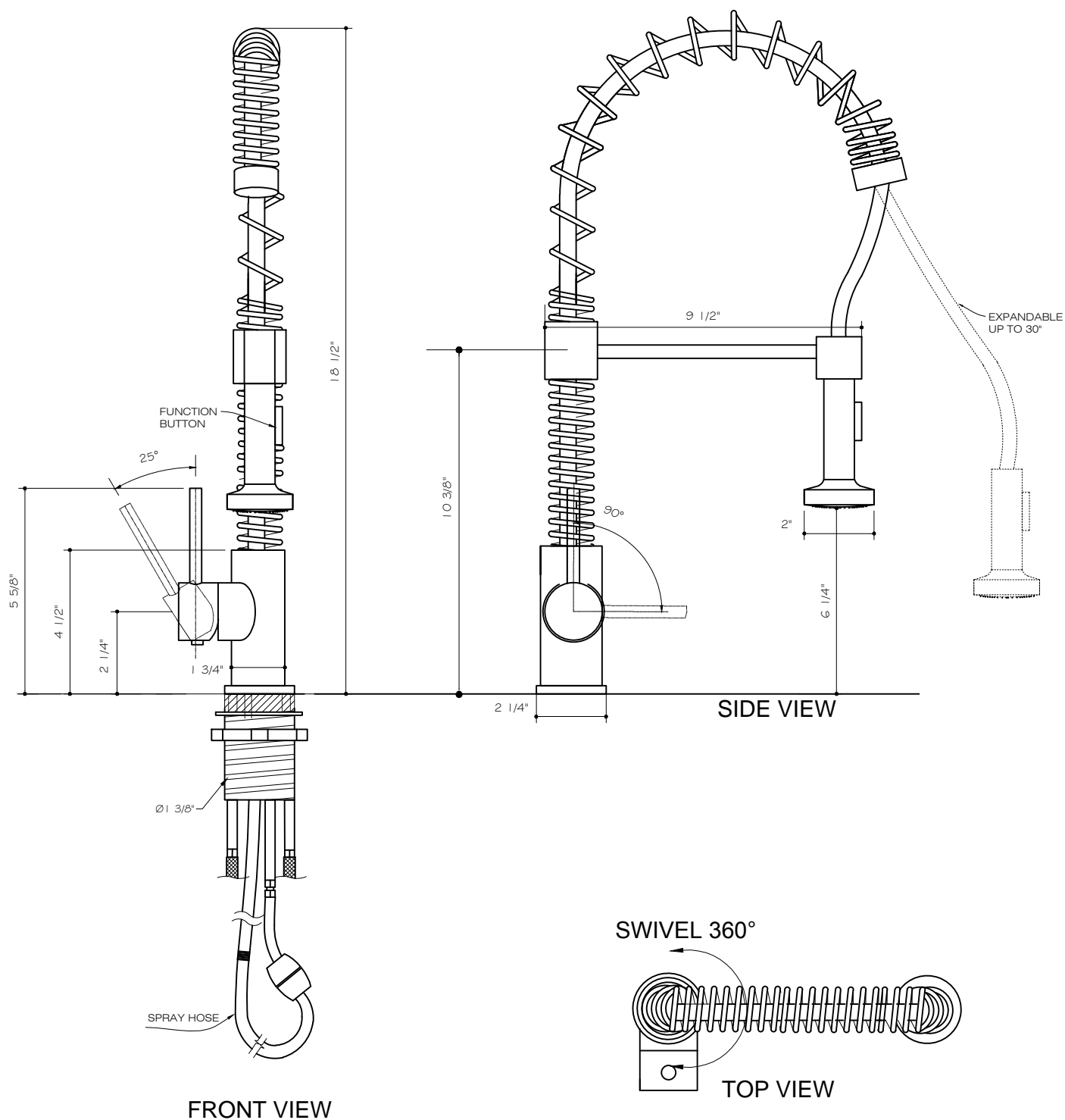


## DIMENSIONS

MODEL #	HOLE DIAMETER	FAUCET HEIGHT	SPRAYER REACH
VG02001	1 3/8"	18 1/2"	9 1/2"



\* = +/- 1"



VG02001

THE MEASUREMENTS IN INCHES ARE ROUNDED TO THE NEAREST 1/8"

# VIGO INDUSTRIES, LLC ("VIGO") FAUCET LIMITED LIFETIME WARRANTY



EFFECTIVE APRIL 1, 2013

VIGO offers the following limited warranty on each of its Faucet products (the "Product") and the components thereof. This warranty extends only to the original owner for personal household use. For commercial uses, additional limitations apply.

VIGO warrants the structure of the Product to be free from defects in workmanship and materials under normal use and service for the period commencing from the initial date of purchase by the owner, contractor, or builder, from VIGO or an authorized VIGO dealer, through the lifetime of the original owner or end-user.

VIGO warrants the cartridge component of the Product to be free from defects in workmanship and materials under normal use and service for a period of five (5) years from the initial date of purchase by the owner, contractor, or builder, from VIGO or an authorized VIGO dealer.

VIGO warrants the spray assembly and other mechanical components of the Product to be free from defects in workmanship and materials under normal use and service for a period of one (1) year from the initial date of purchase by the owner, contractor, or builder, from VIGO or an authorized VIGO dealer.

Subject to the Warranty Service provision below, any product reported to the authorized dealer or to VIGO as being defective within the warranty period will be repaired or replaced (with a product of equal value) at the option of VIGO. This warranty extends to the original owner and is not transferable to a subsequent owner.

Neither the distributor, authorized VIGO dealer, nor any other person has been authorized to make any affirmation, representation, or warranty other than those contained in this warranty. Any affirmation, representation, or warranty other than those contained in this warranty shall not be enforceable against VIGO or any other person.

VIGO reserves the right to modify this warranty at any time, it being understood that such modifications will not alter the warranty conditions applicable at the time of sale of the products in question.

## Limitations

This warranty shall not apply to instances of incorrect operating procedures, breakages, or damages caused by fault through improper installation, carelessness, abuse, misuse, misapplication, improper maintenance, or alteration of the Product, as well as chemical or natural corrosion, accident, fire, flood, an act of God, or any other casualty. Avoid abrasive cleaners, steel wools, and harsh chemicals as these will scratch, damage, and / or dull the product and / or finish and void this warranty. The owner of the Product covered by the present warranty is entirely responsible for its proper installation and any applicable plumbing or electrical wiring. VIGO neither installs nor supervises the installation nor hires a contractor for this purpose; consequently, VIGO cannot be held responsible for any default, breakage, or damages caused thereby or resulting thereof, either directly or indirectly.

The owner must provide access to the components of the Product as described in the installation guide so that VIGO can execute the warranty specified herein. If such access is not available, all expenses to provide said access will be the responsibility of the owner.

This warranty does not apply to Products that have not been installed or operated in accordance with instructions supplied by VIGO and all applicable rules, regulations, and legislation pertaining to such installations.

This warranty does not apply unless the VIGO Product is installed by fully insured licensed professionals. VIGO strongly recommends that such licensed professionals have experience in the installation of bathroom and kitchen products. [Installation of certain products, including without limitation glass products (i.e., shower doors and glass sinks) by an inexperienced person may result in product failure including, but not limited to, glass breakage which could result in personal injury or death.]

VIGO is not liable for personal injuries or deaths to any persons or for any direct, special, incidental, or consequential damage, loss of time, loss of profits, inconvenience, incidental expenses, labor or material charges, or any other costs resulting from the use of the product or equipment or pertaining to the application of the present warranty, or resulting from the removal or replacement of any product or element or part covered by this warranty.

EXCEPT AS OTHERWISE PROVIDED ABOVE, VIGO MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR COMPLIANCE WITH ANY CODE.

In any case, VIGO cannot be held liable for any amount over and above the purchase price paid for the Product by the owner/end-user, contractor, or builder.

## Commercial Limitations

In addition to the above conditions and limitations, the warranty period for products installed for commercial applications or used in commercial ventures is one (1) year from the initial date of purchase by the owner, contractor, or builder from an authorized dealer. VIGO is not responsible for loss of use or profit under any circumstances. If the product is used as a display, the warranty period begins from the date of purchase. This warranty gives the owner specific legal rights. The owner may also have other rights which can vary from one state or province to another.

## Warranty Service

In order to obtain service provided under this warranty during regular business hours, contact the dealer or distributor who sold the unit, or contact VIGO directly. VIGO will provide the warranty service described above when the following conditions have been met: the failure is of the nature or type covered by the warranty; the user has informed an authorized VIGO Agent or VIGO's warranty service department representative of the nature of the problem during the warranty period; conclusive evidence (e.g., proof of purchase or installation) is provided to the foregoing by the user proving that the failure occurred or was discovered within the warranty period; an authorized independent service person or company representative has been permitted to inspect the product during regular business hours within a reasonable time after the problem was reported by the user. VIGO's warranty obligation shall be discharged upon tender of replacement or repair. The customer's refusal to accept the tender terminates VIGO's warranty obligations.

Certification may be ended by VIGO or certification agencies without notice.

KS-2

ADA Unit Kitchen Sink

Elkay ELUHAD281645PD Kitchen Sink

Price Pfister G529-PFCC Kitchen Faucet

Proflo PF202WH Insulation Kit

# ELKAY<sup>®</sup>

## SPECIFICATIONS

### Gourmet Undermount Sink with Perfect Drain™ Model ELUHAD Series - A.D.A. Compliant

#### NEW ELUH Installation Options

ELUH models have been redesigned to accommodate 1/2" reveal and no reveal installation options.

#### GENERAL

Highest quality sink formed of #18 (1.2mm) gauge, type 304 (18-8) nickel bearing stainless steel with **Perfect Drain**. Undermount.

#### DESIGN FEATURES

Bowl Depths: See chart on next page.

Coved Corners: 1-3/4" (44mm) vertical and horizontal radius.

Finish: Exposed surfaces are hand blended to a Lustrous Highlighted Satin finish.

Underside: Fully protected by Sound Guard<sup>®</sup> undercoating to reduce condensation and dampen sound.

**Perfect Drain:** Seamlessly welded stainless steel collar eliminates the gap between a traditional drain and the sink for a sanitary and gap free installation.

Each sink shipped with one LKPD1 drain kit, or a garbage disposer can be installed on sink bowl for user convenience.

#### Patent Pending

#### OTHER

Drain opening: 3-3/8" (86mm)

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

Waste Fitting complies with ASME A112.18.2/CAN/CSA-B125.2

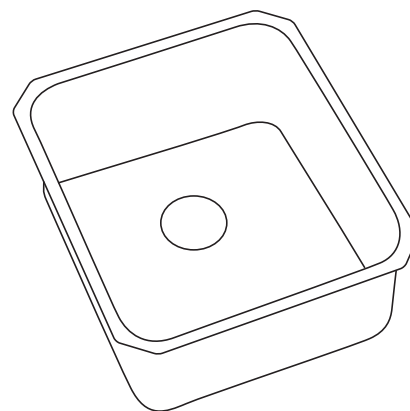
Sink complies with ASME A112.19.3/ CSA B45.4



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

THIS PRODUCT, AS CONSTRUCTED IS SUBJECT TO INTERPRETATION OF A.D.A. REQUIREMENTS.

THE UNOBSTRUCTED KNEE SPACE REQUIRED TO SATISFY A.D.A. STANDARDS MAY NOT BE DESIRABLE.



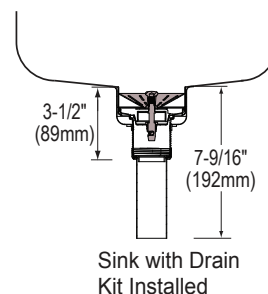
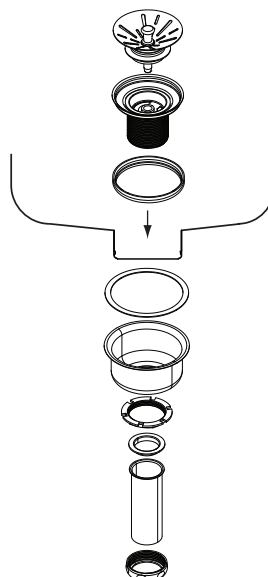
Model ELUHAD131655PD



in sink erator<sup>®</sup>

Elkay<sup>®</sup> Perfect Drain™ sinks are designed and approved for compatible disposers manufactured by InSinkErator<sup>®</sup> utilizing the Quick Lock<sup>®</sup> mounting configuration. Use of non-approved disposers may void Elkay warranty.

InSinkErator, Quick Lock and the mounting collar configuration are trademarks of Emerson Electric Co.



In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit [elkay.com](http://elkay.com) for the most current version of Elkay product specification sheets.

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

# ELKAY<sup>®</sup>

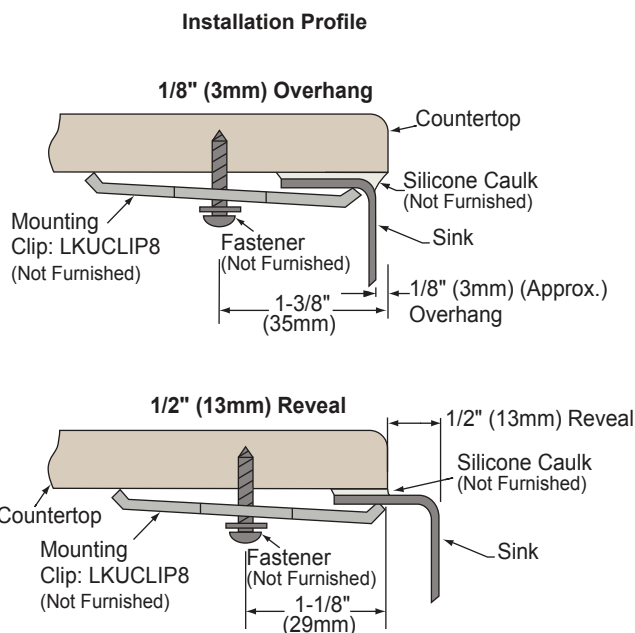
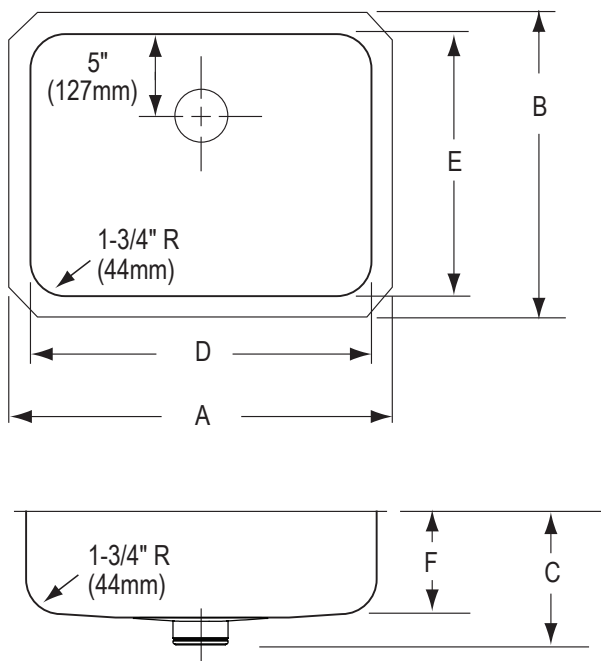
## SPECIFICATIONS

### Gourmet Undermount Sink with Perfect Drain™ Model ELUHAD Series - A.D.A. Compliant

#### SINK DIMENSIONS\*

Model Number	Overall			Inside Bowl			Cutout in Countertop	Minimum Cabinet Size	Template Number
	L	W	D	L	W	D			
	A	B	C	D	E	F			
ELUHAD131645PD	16 (406mm)	18-1/2 (470mm)	5-7/8 (149mm)	13-1/2 (343mm)	16 (406mm)	4-3/8 (111mm)	See Template packaged with sink	21 (533mm)	1000001399
ELUHAD131650PD	16 (406mm)	18-1/2 (470mm)	6-3/8 (162mm)	13-1/2 (343mm)	16 (406mm)	4-7/8 (124mm)		21 (533mm)	1000001399
ELUHAD131655PD	16 (406mm)	18-1/2 (470mm)	6-7/8 (175mm)	13-1/2 (343mm)	16 (406mm)	5-3/8 (137mm)		21 (533mm)	1000001399
ELUHAD141845PD	16-1/2 (419mm)	20-1/2 (521mm)	5-7/8 (149mm)	14 (356mm)	18 (457mm)	4-3/8 (111mm)		21 (533mm)	1000001307
ELUHAD141850PD	16-1/2 (419mm)	20-1/2 (521mm)	6-3/8 (162mm)	14 (356mm)	18 (457mm)	4-7/8 (124mm)		21 (533mm)	1000001307
ELUHAD141855PD	16-1/2 (419mm)	20-1/2 (521mm)	6-7/8 (175mm)	14 (356mm)	18 (457mm)	5-3/8 (137mm)		21 (533mm)	1000001307
ELUHAD211545PD	23-1/2 (597mm)	18-1/4 (464mm)	5-7/8 (149mm)	21 (533mm)	15-3/4 (400mm)	4-3/8 (111mm)		27 (686mm)	1000001400
ELUHAD211550PD	23-1/2 (597mm)	18-1/4 (464mm)	6-3/8 (162mm)	21 (533mm)	15-3/4 (400mm)	4-7/8 (124mm)		27 (686mm)	1000001400
ELUHAD211555PD	23-1/2 (597mm)	18-1/4 (464mm)	6-7/8 (175mm)	21 (533mm)	15-3/4 (400mm)	5-3/8 (137mm)		27 (686mm)	1000001400
ELUHAD281645PD	30-1/2 (795mm)	18-1/2 (464mm)	5-7/8 (149mm)	28 (711mm)	16 (406mm)	4-3/8 (111mm)		36 (914mm)	1000001414
ELUHAD281650PD	30-1/2 (795mm)	18-1/2 (464mm)	6-3/8 (162mm)	28 (711mm)	16 (406mm)	4-7/8 (124mm)		36 (914mm)	1000001414
ELUHAD281655PD	30-1/2 (795mm)	18-1/2 (464mm)	6-7/8 (175mm)	28 (711mm)	16 (406mm)	5-3/8 (137mm)		36 (914mm)	1000001414

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



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KS-3

Wet Bar Sink

Proflo PFUC109 Single Bowl sink

Kraus KPF-2600 Chrome Faucet

**PFUB109**

# **Stainless Steel Undermount Sinks**



## **Product Features**

- Stainless steel single bowl sink
- Type 304 stainless steel
- Undermount
- 18 gauge
- Sound absorption pads and coating to minimize vibration and sound and increase durability
- Clips and template included in box

## **General Specifications**

- Overall Size: 16" x 18"
- Bowl Size: 13-15/16" x 15-7/8"
- Bowl Depth: 8"
- Drain Diameter: 3-1/2"

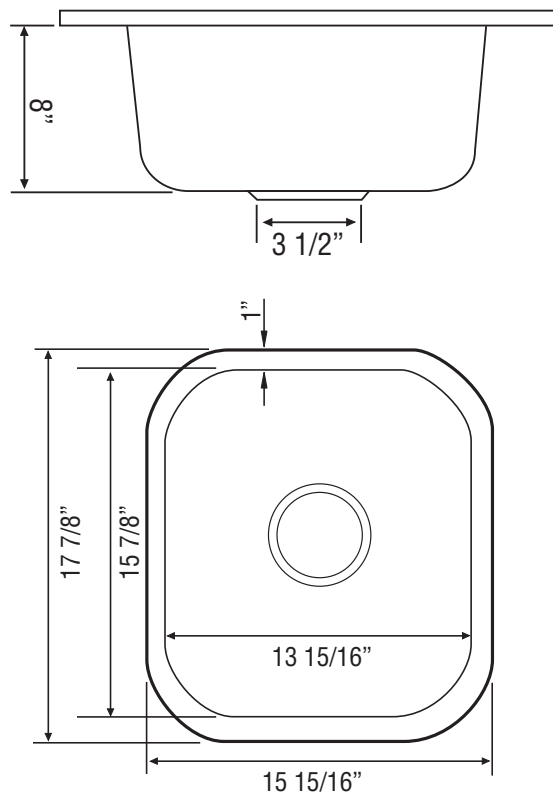


**PFUB109**

## **Model Numbers**

**PFUB109** 16" X 18" 1B UC SS SINK

## **Product Specifications**



## **Warranty and Codes**

This PROFLO stainless steel sink carries a limited lifetime warranty. 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 it is agreed in writing to do otherwise.

These products meet or exceed ASME/ANSI A112.19.3m.

\* All measurements are nominal. Please verify before actual installation.



# Mateo™ | KPF-2600

## Single Lever Kitchen Bar/Prep Faucet

Chrome and Stainless Steel Finishes

# Kräus®

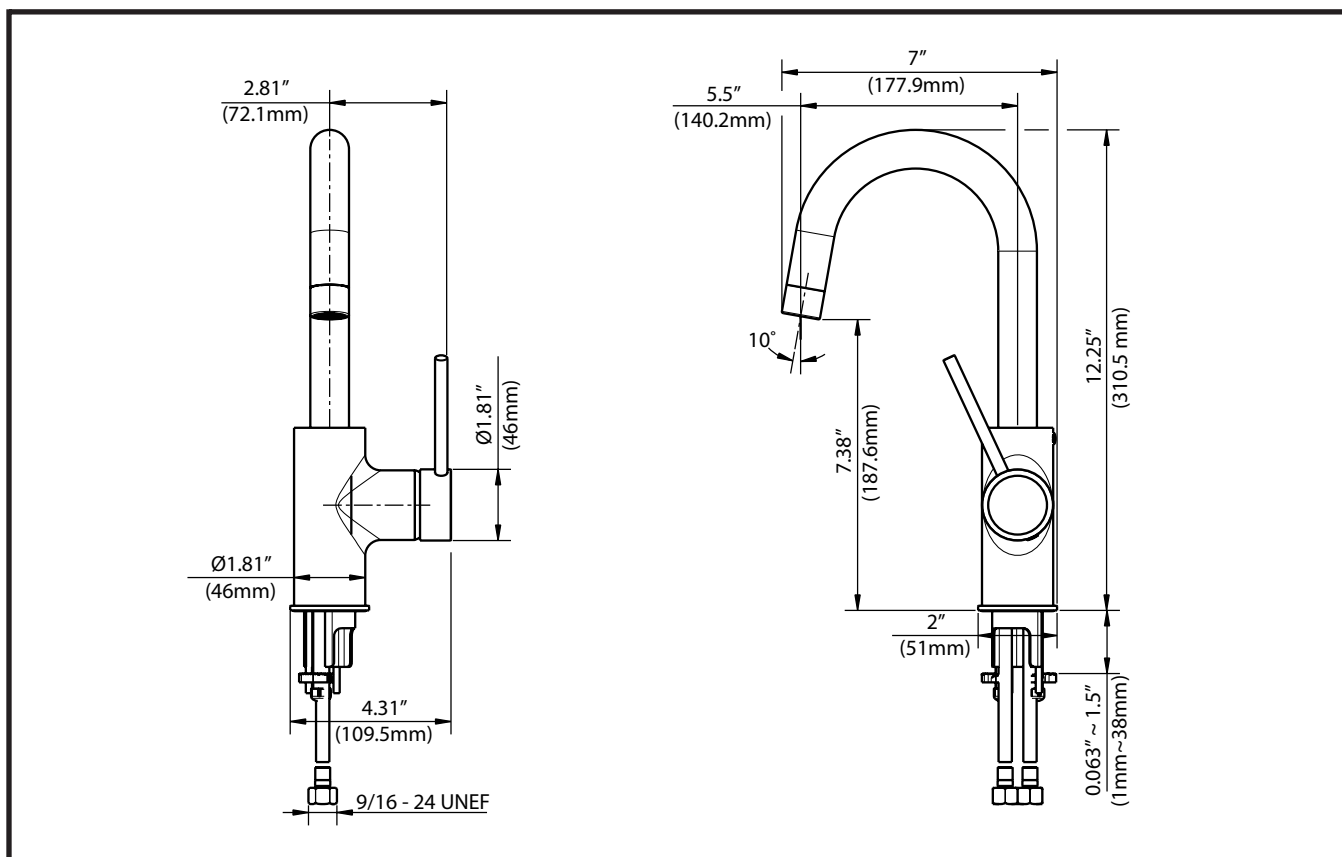
SPECIFICATIONS SHEET

The Mateo™ Single Lever Bar/Prep Faucet has a streamlined silhouette that coordinates with any bar or prep sink, and a spout that swivels 360° for added flexibility. This faucet is made with top-quality components in order to ensure superior performance and durability. A QuickDock mounting assembly eliminates the need to secure the faucet underneath the sink, making topmount installation exceptionally easy.

### Product Features

- Brass Body w/ Metal Handle for Maximum Durability
- Easy DIY QuickDock Top Mount Installation
- Single-Lever Design for Effortless Temperature & Flow Control
- High-Arch Spout Provides Maximum Sink Space
- 1.5 gpm (5.7 L/min) flow rate at 60 psi
- Faucet Swivels 360° for Complete Sink Access
- High Performance / Low Flow Neoperl® Aerator
- Kerox Ceramic Cartridge (tested w/ 500,000 cycles)
- Superior Corrosion & Rust-Resistant Finish
- Coordinates with All Bar Sinks

**Warranty:** Limited lifetime warranty against leaks, drips, and finish flaws to the original purchaser and first consumer. This warranty is applicable to residential use only. Commercial use will automatically void the warranty.



NSF/ANSI 372  
NSF/ANSI 61-9



GREEN  
LEAD FREE  
DAVID BRADY



Meets ASME A112.18.1M/A112.18.1  
1.8gpm 6.8L/min maximum

www.kraususa.com | 1.800.775.0703 | customerservice@kraususa.com

REV. July 28, 2015

# Pfister

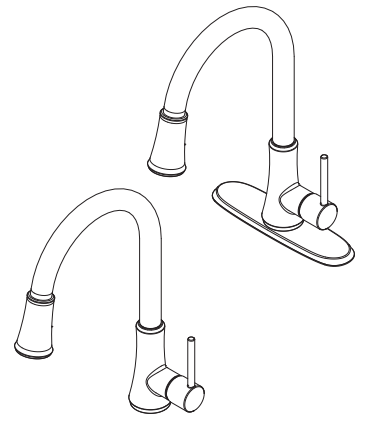
## Pfirst Series™

### Pull Down Kitchen Faucet

G529-PFCC Finish(CC) ☐

G529-PFSS Finish(SS) ☐

G529-PFYY Finish(YY) ☐



## Specifications

### Features

- 1.75 GPM Flow Rate
- 2 Function Pull-Down Sprayer
- 360° Rotating Spout
- Install With or Without Deck Plate
- Pfaster Connect
- Pforever Warranty®

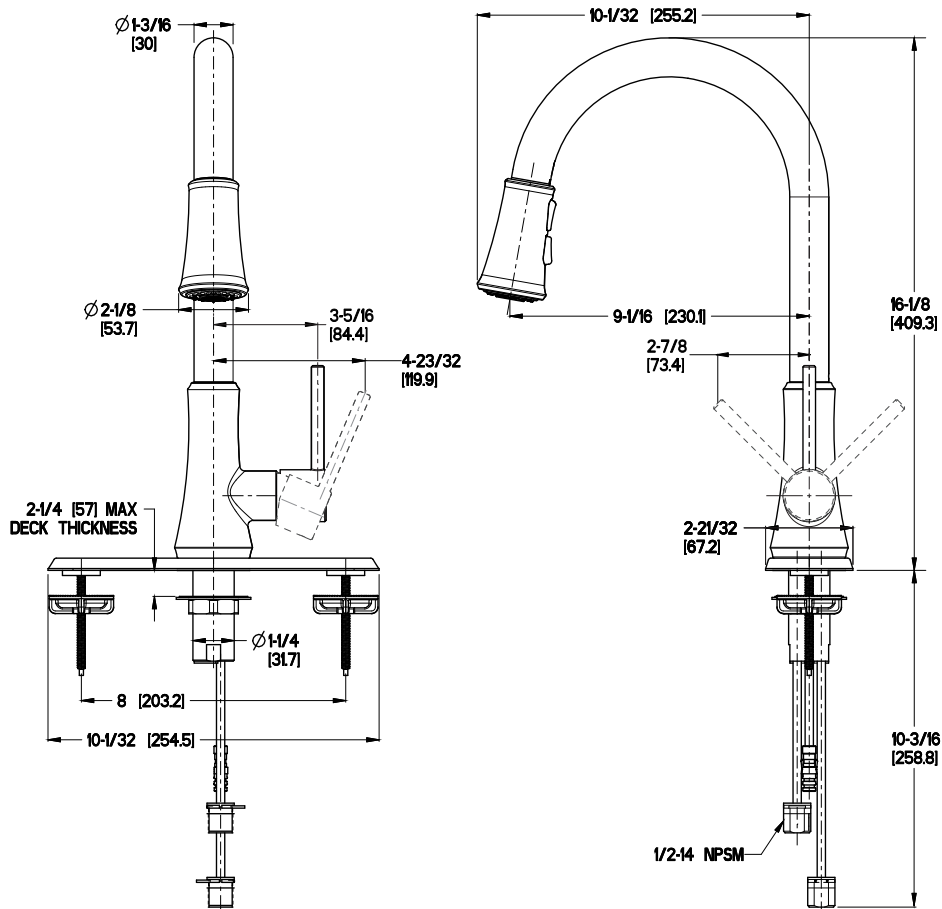
### Code Compliance

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)
- Cal Green Compliant
- ADA Compliant-ANSI A117.1 (Lever handles only)



## Dimensions



$\phi 1\text{-}3/8$  Min to  $\phi 1\text{-}1/2$  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	<b>PF202WH</b>	PF205WH	PFEXT299WH
PF201WH	PF203WH	PF299WH	PFEXT200WH

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.

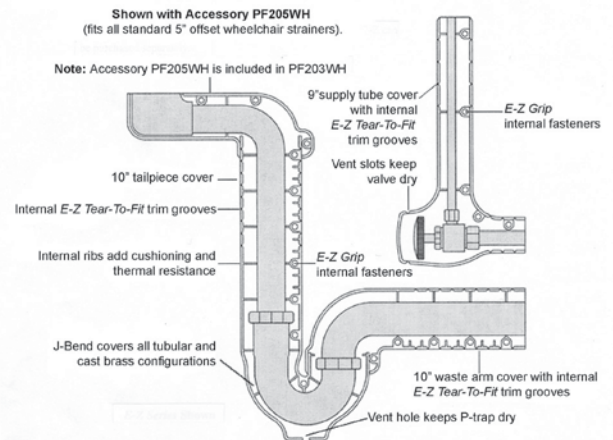
## Warranty and Codes

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.



**PF201WH**

## Product Specifications



PF200WH	one P-trap cover
PF201WH	one P-trap cover, one angle valve and supply cover
<b>PF202WH</b>	<b>one P-trap cover, two angle valves and supply covers</b>
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>	
PFEXT299WH	one 16" extension for water supply
PFEXT200WH	one 16" extension for drain waste or tailpiece



Unisex Restroom Water Closet

Kohler Highline Comfort Height K 39790/ White

### Features

- Vitreous china.
- Two-piece toilet.
- Comfort Height® Elongated bowl.
- Class Five® flushing system.
- Includes left-hand polished chrome trip lever.
- 1.6 gpf (6.0 lpf).
- 2-1/8" (54 mm) fully glazed trapway.
- 12" (305 mm) rough-in.
- Less seat and supply.
- 11-3/8" (289 mm) x 8" (203 mm) water area.
- 29-3/4" (756 mm) x 18" (457 mm) x 31-1/4" (794 mm).
- Floor mount / Floor outlet.

### Recommended Accessories

K-4636 Toilet Seat  
K-4688 Toilet Seat  
K-7637 Angle Supply with Stop (single)  
K-4731-C Commercial Heavy-duty Toilet Seat

### Components

Product includes:

K-4468 Toilet Tank  
K-4199 Comfort Height® Elongated Bowl

Additional included component/s: Tank cover, Trip lever, Bolt cap accessory pack, and Tank accessory pack.



ADA

CSA B651

OBC

### Codes/Standards





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

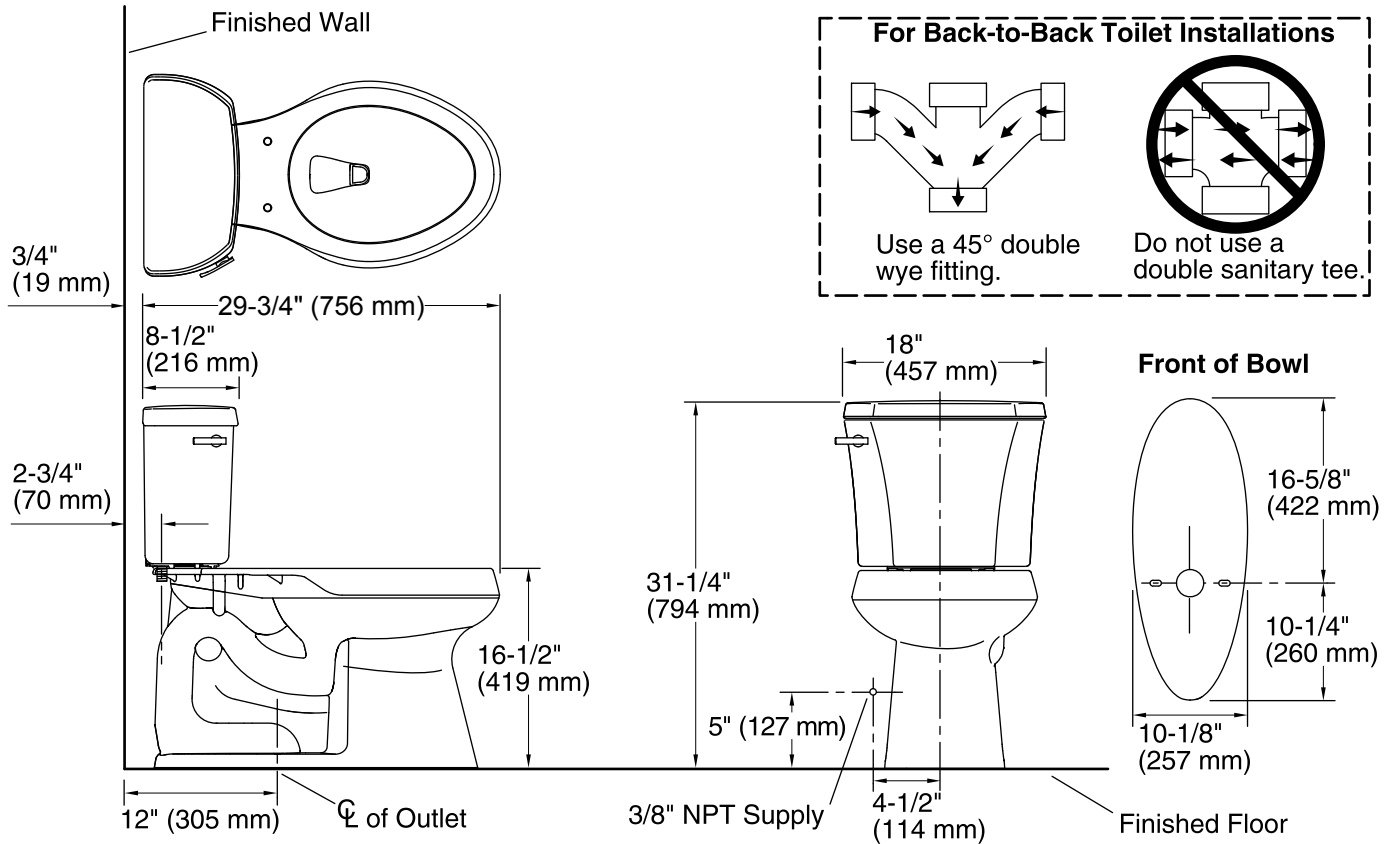
### KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

### Available Color/Finishes

*Color tiles intended for reference only.*

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



## Technical Information

All product dimensions are nominal.

Toilet type:	Two-piece
Bowl shape:	Elongated front
Flush type:	Class Five
Trap passageway:	2-1/8" (54 mm)
Water Consumption	
Full:	1.6 gpf (6 lpf)
Water surface size:	11-3/8" x 8" (289 mm x 203 mm)
Rim to water surface:	5-3/8" (137 mm)
Rough-in:	12" (305 mm)
Seat-mounting holes:	5-1/2" (140 mm)

## Notes

Install this product according to the installation guide.

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

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

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

Unisex Restroom Lavatory

Kohler Caxton K 2211 0/ White Lavatory Bowl

Kohler July K16027 4/Satin Chrome Faucet

### Features

- Vitreous china
- Under-mount
- With or without overflow
- Available with KOHLER Artist Editions designs
- Includes 1193643 clamp assembly, unless specified
- 15" (381 mm) x 12" (305 mm)
- 17" (432 mm) x 14" (356 mm)
- 19" (483 mm) x 15" (381 mm)

### UNDER-MOUNT BATHROOM SINK

## K-2210

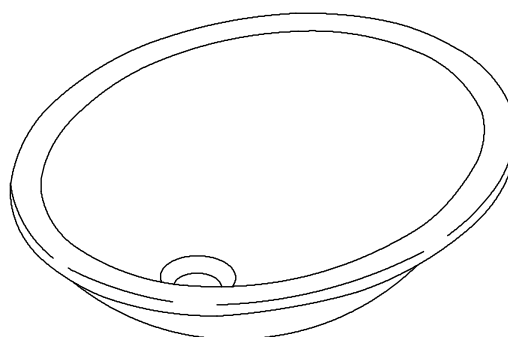
ALSO K-2211, K-2209

ADA CSA B651 OBC

### Codes/Standards Applicable

Specified model meets or exceeds the following:

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



### Colors/Finishes

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

### Accessories

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

### Specified Model

Model	Description	Colors/Finishes	
K-2209	Bathroom sink, 15" (381 mm) x 12" (305 mm), w/overflow, w/clamps	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
K-2210	Bathroom sink, 17" (432 mm) x 14" (356 mm), w/overflow, w/clamps	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
K-2210-G	Bathroom sink, 17" (432 mm) x 14" (356 mm), w/glazed underside, w/o overflow, w/clamps	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
K-2210-L	Bathroom sink, 17" (432 mm) x 14" (356 mm), w/overflow, w/o clamps	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
K-2210-N	Bathroom sink, 17" (432 mm) x 14" (356 mm), w/o overflow, w/clamps	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
K-2211	Bathroom sink, 19" (483 mm) x 15" (381 mm), w/overflow, w/clamps	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
K-2211-G	Bathroom sink, 19" (483 mm) x 15" (381 mm), w/glazed underside, w/o overflow, w/clamps	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
K-2211-L	Bathroom sink, 19" (483 mm) x 15" (381 mm), w/overflow, w/o clamps	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____

### Product Specification:

The under-mount bathroom sink shall be made of vitreous china. Bathroom sink shall be available with or without overflow. Bathroom sink shall be 15" (381 mm) in length and 12" (305 mm) in width, 17" (432 mm) in length and 14" (356 mm) in width, or 19" (483 mm) in length and 15" (381 mm) in width. Bathroom sink shall include 1193643 clamp assembly for all models except K-2210-L and K-2211-L. Bathroom sink shall be available with KOHLER Artist Editions designs. Bathroom sink shall be Kohler Model K-\_\_\_\_\_-\_\_\_\_ or K-\_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_.

## Technical Information

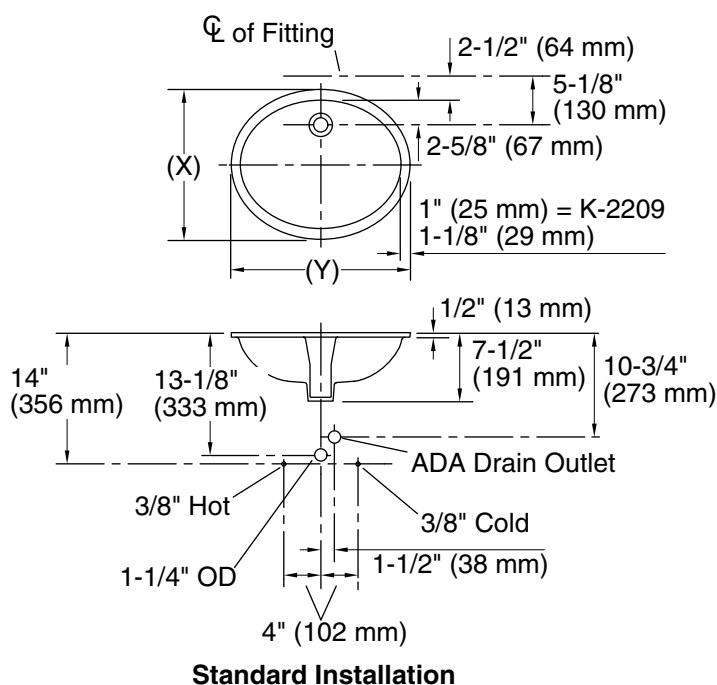
Recommended Accessories			
K-8998	P-Trap	<input type="checkbox"/> CP	<input type="checkbox"/> Other_____

Fixture*:	Basin area	Water depth
K-2209	15" (381 mm) x 12" (305 mm)	4" (102 mm)
K-2210/K-2210-L/ K-2210-N/K-2210-G	17" (432 mm) x 14" (356 mm)	4" (102 mm)
K-2211/K-2211-G/ K-2211-L	19" (483 mm) x 15" (381 mm)	4" (102 mm)
Drain hole	Ø 1-3/4" (44 mm)	
* Approximate measurements for comparison only.		

Cutout template, K-2209	85838-7
Cutout template, K-2210	1151011-7
Cutout template, K-2211	1018997-7

Included components:	
Basin clamp assembly (not included with K-2210-L and K-2211-L)	1193643

K-2209: (X) = 14" (356 mm), (Y) = 17" (432 mm)  
 K-2210: (X) = 16-1/4" (413 mm), (Y) = 19-1/4" (489 mm)  
 K-2211: (X) = 17-1/4" (438 mm), (Y) = 21-1/4" (540 mm)



## Installation Notes

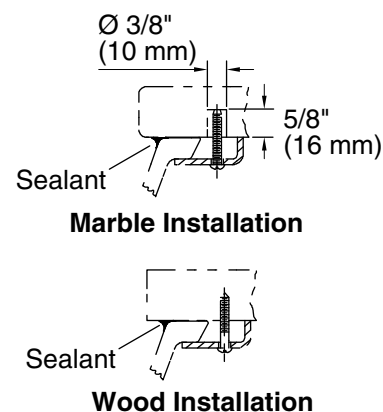
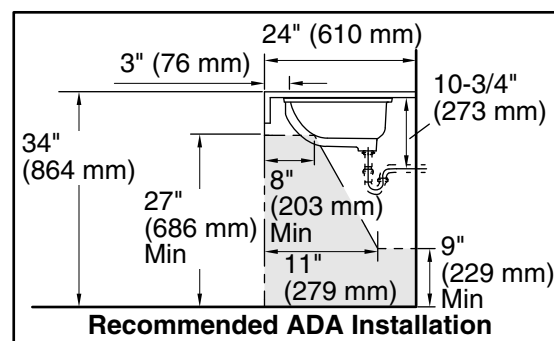
Install this product according to the installation guide.

**NOTICE:** Countertop manufacturer or cutter must use the current product template available at [www.kohler.com](http://www.kohler.com), or by calling 1-800-4KOHLER. Kohler Co. is not responsible for cutout errors when the incorrect cutout template is used.

Will comply with **ADA** when installed per Section 606 Lavatories and Sinks of the 2010 ADA Standards for Accessible Design.

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

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



## Product Diagram

## Features

- One-piece, self-contained ceramic disc valve which allows both volume and temperature control.
- Temperature memory allows the faucet to be turned on and off at any temperature setting.
- 4-3/8" (111 mm) spout reach.
- Stationary spout.
- Pop-up drain with tailpiece.
- 1.5 gal/min (5.7 l/min) maximum flow rate [max at 60 psi (4.14 bar)].

## Material

- Brass construction.

## Installation

- For single-hole installation.



ADA

## Codes/Standards

ASME A112.18.1/CSA B125.1  
NSF 61  
NSF 372  
DOE - Energy Policy Act 1992  
ADA  
ICC/ANSI A117.1  
All applicable US Federal and State material regulations

## KOHLER® Faucet Lifetime Limited Warranty

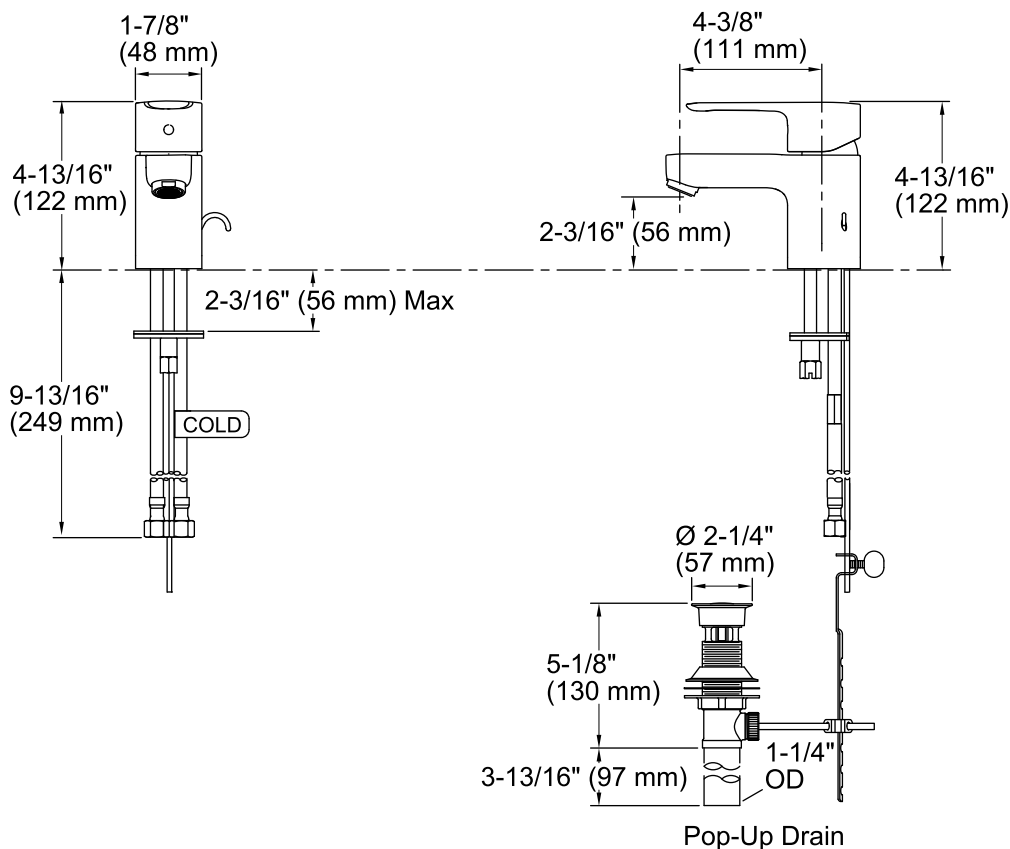
See website for detailed warranty information.

## Available Color/Finishes

*Color tiles intended for reference only.*

Color	Code	Description
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	G	Brushed Chrome
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### Technical Information

All product dimensions are nominal.

Spout reach: 4-3/8" (111 mm)

Drain included: YES

Drain tailpiece included: YES

### Faucet:

Flow rate: 1.5 gal/min (5.7 l/min)

Pressure: 60 psi (4.1 bar)

### Notes

Install this product according to the installation guide.

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

IMB

Oatey 39148 Ice Maker Box – Non Fire Rated Walls

Oatey 39122 Ice Maker Box – Fire Rated Walls



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

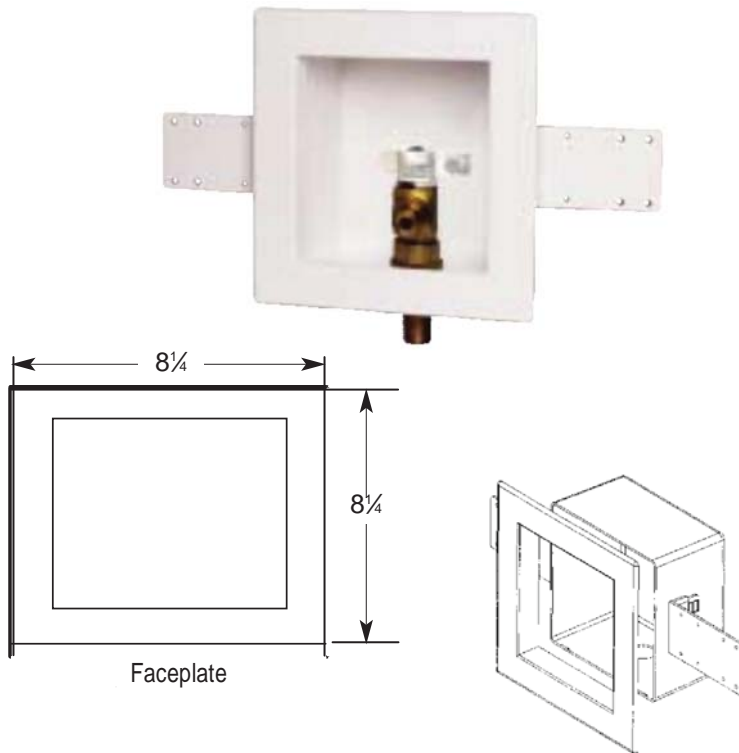
## Ice Maker Outlet Boxes



### 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



(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.

✓	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



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

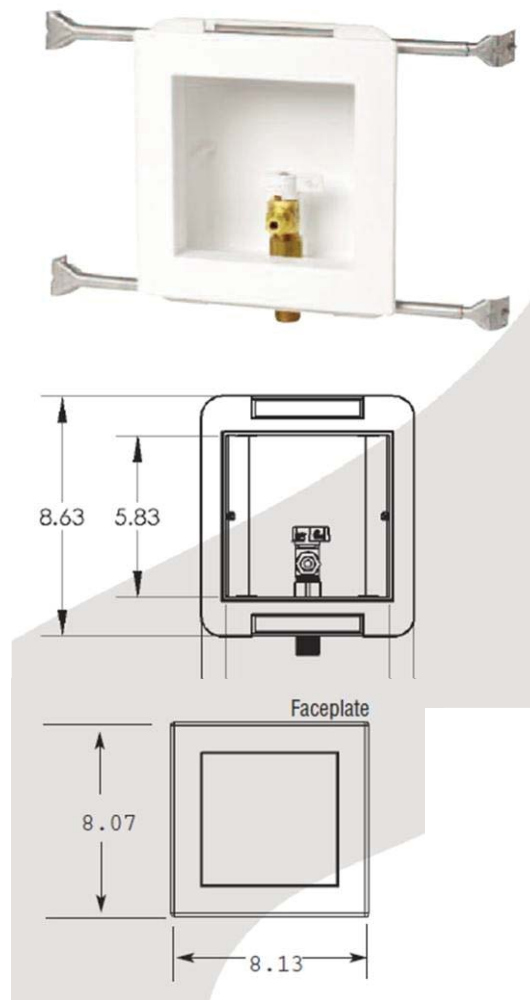
- 1-hour wall: 60 min. (F)
- 1-hour wall: 32 min. (T)
- 2-hour wall: 120 min. (F)
- 2-hour wall: 85 min. (T)

##### 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 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
	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

WMB

Oatey 38103 Washing Machine Box – Non Fire Rated Walls

Oatey 38479 Washing Machine Box – Fire Rated Walls



4700 W. 160th St.  
Cleveland, OH 44135  
1-800-321-9532  
1-800-321-9535  
www.oatey.com

TECHNICAL SPECIFICATION

## 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.
No Hammer Assembled		
38100	1/4 Turn, Copper, No Hammer, Assembled, Standard Pack	12
38102	1/4 Turn, CPVC, No Hammer, Assembled, Standard Pack	12
38104	1/4 Turn, ASTM F1807, No Hammer, Assembled, Standard Pack	12
38106	1/4 Turn, ASTM F1960, No Hammer, Assembled, Standard Pack	12
38150	1/4 Turn, Copper, No Hammer, Assembled, Contractor Pack	12
38153	1/4 Turn, CPVC, No Hammer, Assembled, Contractor Pack	12
38151	1/4 Turn, ASTM F1807, No Hammer, Assembled, Contractor Pack	12
38152	1/4 Turn, ASTM F1960, No Hammer, Assembled, Contractor Pack	12
Hammer Assembled		
38101	1/4 Turn, Copper, Hammer, Assembled, Standard Pack	12
38103	1/4 Turn, CPVC, Hammer, Assembled, Standard Pack	12
38105	1/4 Turn, ASTM F1807, Hammer, Assembled, Standard Pack	12
38107	1/4 Turn, ASTM F1960, Hammer, Assembled, Standard Pack	12
38154	1/4 Turn, Copper, Hammer, Assembled, Contractor Pack	12
38157	1/4 Turn, CPVC, Hammer, Assembled, Contractor Pack	12
38155	1/4 Turn, ASTM F1807, Hammer, Assembled, Contractor Pack	12
38156	1/4 Turn, ASTM F1960, Hammer, Assembled, Contractor Pack	12

CENTRO II WASHING MACHINE  
OUTLET BOX



No Hammer Unassembled		
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
Hammer Unassembled		
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
Plain Boxes		
38120	Plain Box, Display Pack	4
38121	Plain Box, Standard Pack	12
Accessories		
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



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

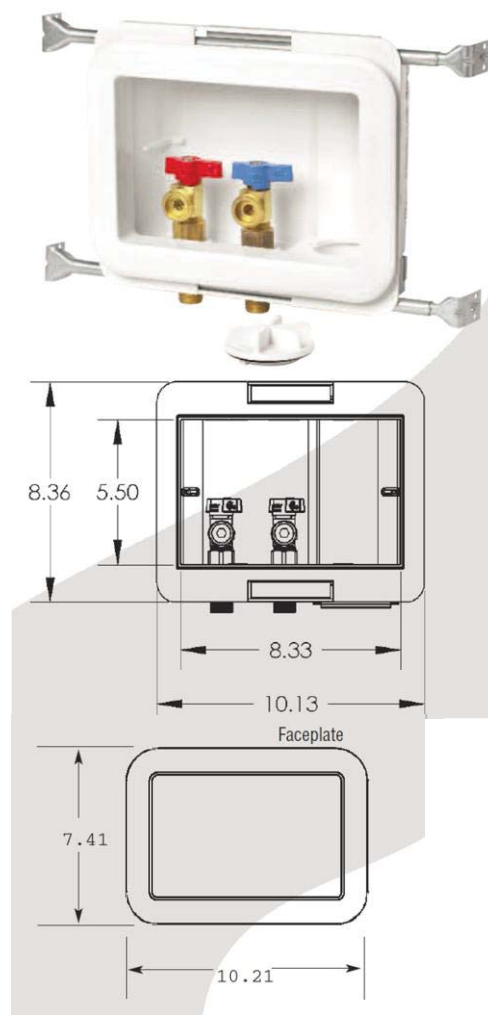
- 1-hour wall: 60 min. (F/FH)
- 1-hour wall: 32 min (FT/FTH)
- 2-hour wall: 120 min. (F/FH)
- 2-hour wall: 85 min. (FT/FTH)

#### 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

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

EWH-1

AO Smith 40 Gallon Electric Water Heater

(Voltage and KW to be verified)

### ProMax®



#### 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).



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	43	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	69	0.95	21	4500	6000	60-1/4	51-1/4	21	131
ENT-50†	50	69	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	43	0.95	21	4500	6000	39	30-1/2	20	95
ENS-30†	30	43	0.95	21	4500	6000	39-3/4	30-1/2	22	94
ENS-40†	40	54	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	41	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.

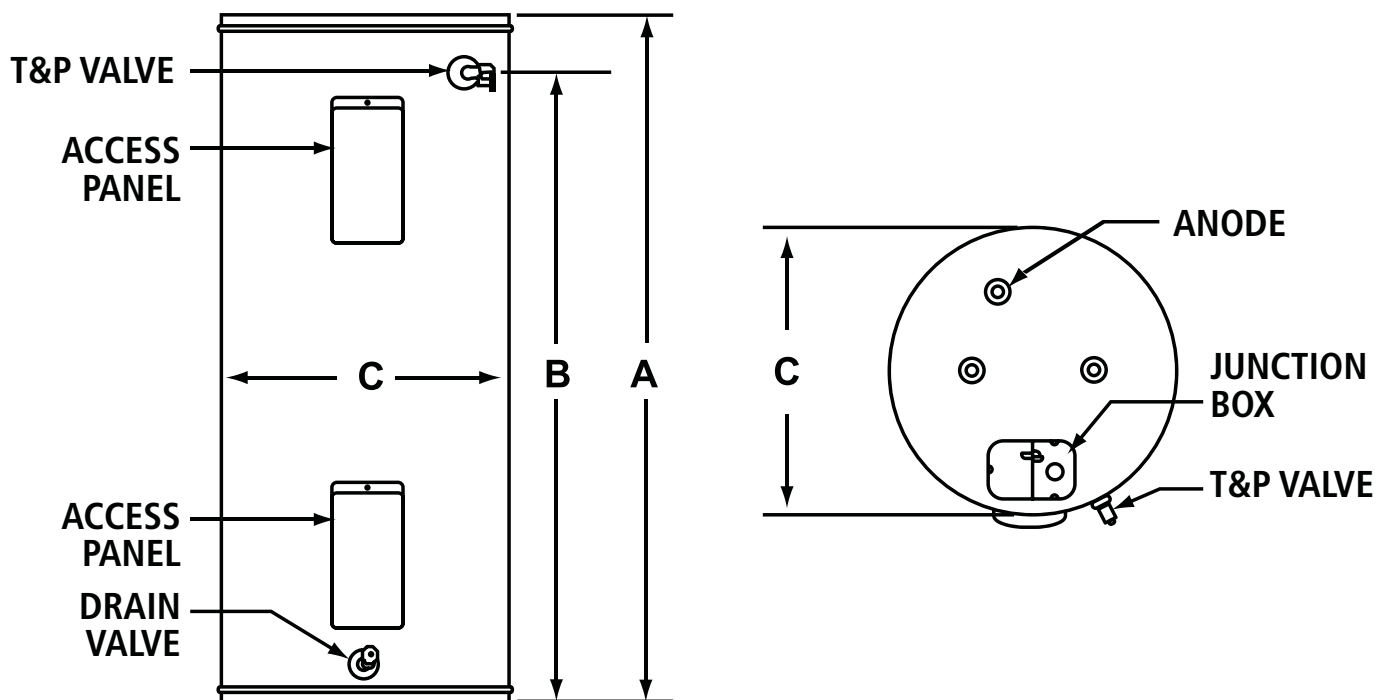
\*Models ship with supplied insulation blanket.

†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.



Bottle Filler

Elkay LZWS(M)8K

# ELKAY®

## SPECIFICATIONS

## EZH2O® Bottle Filling Station Filtered In-Wall Recessed Models LZWS(M)8K & LZWS(M)DK

### PRODUCT SPECIFICATION

**RATED FOR INDOOR USE ONLY**

In-wall recessed bottle filling station. LZWS(M)8K shall deliver 8 GPH of 50°F drinking water at 90°F ambient and 80°F inlet water. LZWS(M)DK shall deliver non-chilled drinking water. Units shall be stainless steel construction with plastic ABS alcove. Sensor-activation with an auto 20-second shut-off timer. Shall include Green Ticker™ displaying count of plastic bottles saved from waste. Bottle filler shall provide 1.1-1.5 gpm flow rate with laminar flow to minimize splashing. Shall include the WaterSentry® Plus 3000-gallon capacity filter, certified to NSF/ANSI 42 and 53, with visual monitor to indicate when replacement is necessary. Shall include integrated silver ion anti-microbial protection in key areas. Unit shall meet ADA guidelines. Unit shall be lead-free design which is certified to NSF/ANSI 61 and 372 and meets Federal and State low-lead requirements. Unit shall be certified to UL399 and CAN/CSA 22.2 No. 120.

### STANDARD FEATURES

- Sanitary, touchless activation with auto 20-second shut-off (Bottle Filler)
- WaterSentry® Plus 3000-gallon capacity Filtration System, certified to NSF/ANSI 42 & 53 (Lead, Class 1 Particulate, Chlorine, Taste & Odor)
- Integrated Silver Ion Anti-Microbial Protection in key areas
- Quick Fill Rate: 1.1 gpm (LZWS(M)8); 1.5 gpm (LZWS(M)D)
- Laminar Flow provides minimal splash
- Real Drain System eliminates standing water
- Visual User Interface display includes:
  - Innovative Green Ticker™ counts bottles saved from waste
  - LED Visual Filter Monitor shows when replacement is necessary
- Includes lower hinged panel for easy access and servicing

### COOLING SYSTEM (Model LZWS(M)8)

- Compressor: hermetically-sealed, reciprocating type, single phase. Sealed-in lifetime lubrication.
- Condenser: Fan cooled. Fan motor is permanently lubricated.
- Cooling Unit: Combination tube-tank type. Continuous copper tubing with stainless steel tank. Fully insulated with EPS foam which meets UL requirements for self-extinguishing material.
- Refrigerant Control: Refrigerant R134a is controlled by accurately calibrated capillary tube.
- Temperature Control: Enclosed adjustable thermostat is factory preset. Requires no adjustment other than for altitude requirements, Easily accessible by removing lower grille panel.



Model  
LZWS(M)8K



Model  
LZWS(M)DK







### CONSTRUCTION

- Stainless steel bottle filler construction with ABS plastic alcove
- Includes stainless steel lower panel. LZWS(M)8 models have louvered ventilating grille; LZWS(M)D models have solid panel.
- Furnished with MFWS100 wall mounting box constructed of galvanized steel. Mounting can be ordered separately for pre-install.

### REPLACEMENT FILTERS: Available as Singles and Multi-packs.

- 51300C (single)
- 51300C\_3PK (three)
- 51300C\_12PK (twelve)
- 51300C\_24PK (twenty-four)
- 51300C\_48PK (forty-eight)

**Warranty:** 5 year limited warranty on the unit's refrigeration system. Electrical components and water system are warranted for 12 months from date of installation or 18 months from factory shipment, whichever date falls first.

CAPACITIES CHART									
Model	Voltage / Hertz	Chilling** Capacity	F.L. Amps	Rated Watts	Approx. Ship Wt.	ADA Compliant	UL399 and CAN/CSA 22.2 No. 120 Certified	NSF/ANSI 61 and 372 Certified 42 and 53 Certified (filter only)	GreenSpec® Listed
LZWS(M)8K	115V / 60Hz	8.0 GPH	5.0	370	80 lbs.	•	•	•	•
LZWS(M)82K	220V / 50Hz	6.7 GPH	2.5	370	80 lbs.	•	•	•	•
LZWS(M)83K	220V / 60Hz	8.0 GPH	2.5	370	80 lbs.	•	•	•	•
LZWS(M)DK	115V / 60Hz	-	1.0	15	33 lbs.	•	•	•	•
LZWS(M)DJOK	220V / 50-60Hz	-	0.5	15	33 lbs.	•	•	•	•

\*\*Based on 80°F inlet water & 90°F ambient air temp for 50°F chilled drinking water.

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

In keeping with our policy of continuing product improvement, Elkay reserves the right to change specification without notice. Please visit [elkay.com](http://elkay.com) for the most current version.

2222 Camden Court  
Oak Brook, IL 60523  
630-572-3192  
[elkay.com](http://elkay.com)

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SPEC14-58 (06/2015)

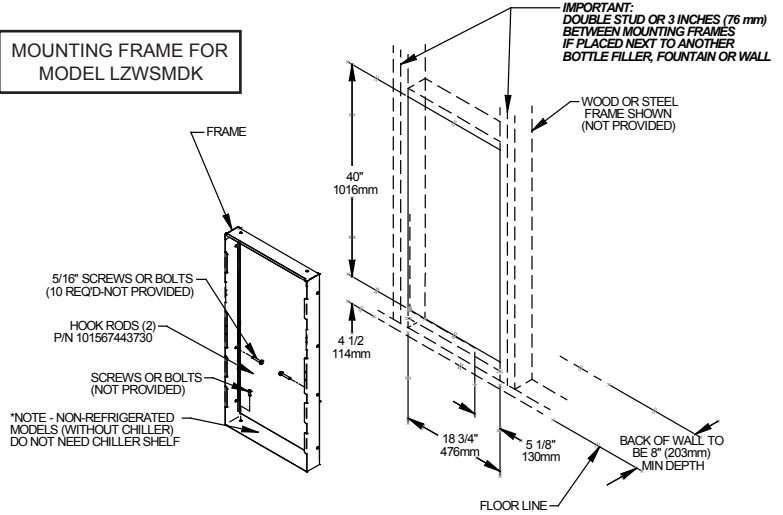
**EZH2O® Bottle Filling Station**  
**Filtered In-Wall Recessed**  
**Models LZWS(M)8K & LZWS(M)DK**

**ELKAY®**  
**ROUGH-IN DIMENSIONS**

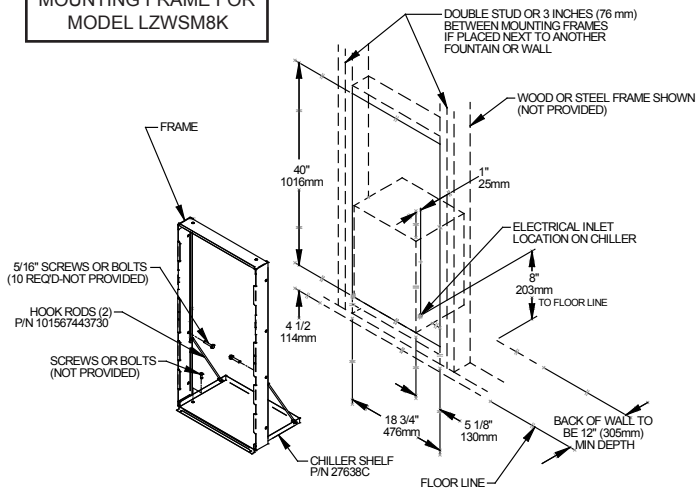
RATED FOR INDOOR USE ONLY

Job Name: \_\_\_\_\_  
 Model: \_\_\_\_\_ Qty. \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Approval Signature: \_\_\_\_\_  
 Notes: \_\_\_\_\_

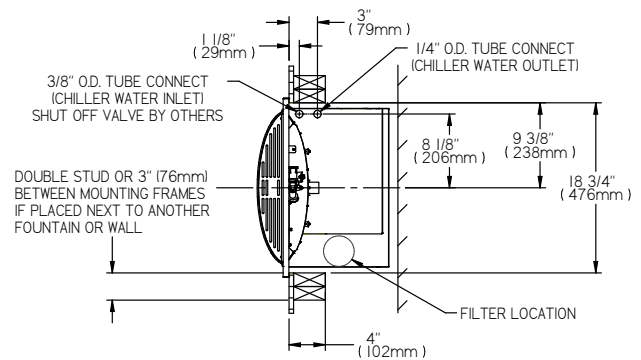
**MOUNTING FRAME FOR  
 MODEL LZWSMDK**



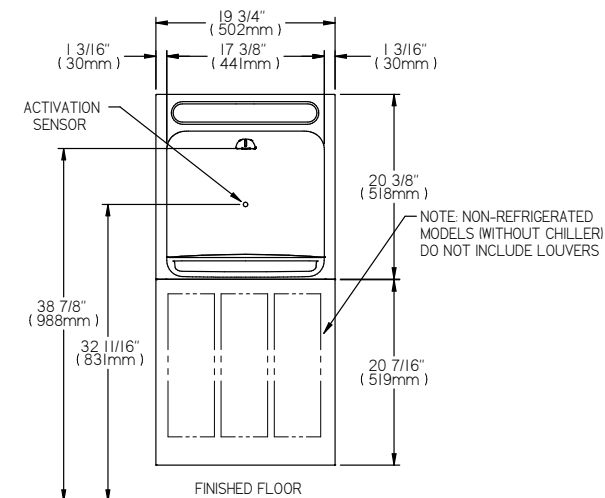
**MOUNTING FRAME FOR  
 MODEL LZWSM8K**



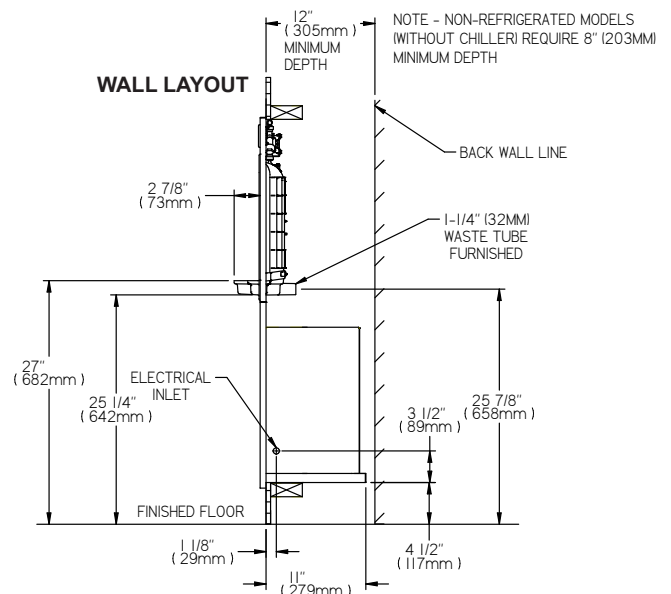
**TOP & SIDE VIEWS**



**FRONT VIEW**



**WALL LAYOUT**



Roof Hydrant


Woodford SRH-MS

The Woodford, ASSE 1057 listed, SRH Roof Hydrant is intended for irrigation purposes and to provide water, in any weather condition, on commercial building roofs. Applications include window washing, cleaning of condenser coils, cooling towers, green roofs and other types of roof top equipment. The SRH is backflow protected with a field testable ASSE 1052 double check backflow preventer.


*The SRH does not require a drain line from the valve body located inside the building.*

The SRH-MS with Mounting System allows for installation flexibility. It is not necessary to install hydrant when hydrant support is mounted to the roof. The hydrant support utilizes a 3" diameter opening that allows the hydrant to be installed or easily removed at a later time. All necessary mounting hardware for proper installation on a commercial roof is supplied, including a 2 degree shim for pitch adjustment.

### Hydrant Features:

- ASSE 1057 Listed 
- No Drain Line Required - *With the hose removed*, a venturi action draws water out of the internal reservoir and discharges out the backflow preventer.
- Superior reservoir evacuation times without removing the backflow preventer.
- Variable flow plunger for longer life is not easily damaged and assures proper shut-off.
- Large easy to open lift handle.
- Adjustable link for easy adjustment and positive lever lock tension.
- All hydrant repairs can be made from top without removing hydrant.

### Specifications:

- Hose Connection Backflow Preventer:
  - Model 50H with 3/4" hose connection
  - ASSE 1052 Listed 
  - Field Testable Dual Check holds against 125 psi backflow pressure
- 3/4" NPT female inlet connection.
- 1 1/2" U.S. made galvanized pipe.
- **Maximum Working Pressure:** 100 p.s.i.
- **Maximum Temperature:** 120° F

#### SRH WARNING

	Supply PSI	Run Time
After each use, run hydrant without a hose to ensure proper evacuation.	60	5 seconds
	25	15 seconds

### Mounting System: *(Can be ordered Separately)*

- Cast iron Hydrant Support
- Cast iron Under Deck Flange
  - 4 bolts draw tight against the roof decking and the hydrant support.
  - 3 clamp screws tighten against the hydrant pipe to secure the hydrant's vertical position through the roof.
- Well Seal seals tight between the hydrant support and hydrant pipe.
- EPDM Boot covers well seal and top of hydrant support.
- 2° Shim is supplied, if needed, for installation on pitched roofs.

Manufactured under U.S. patent 7,472,718; 7,730,901 and patents pending.

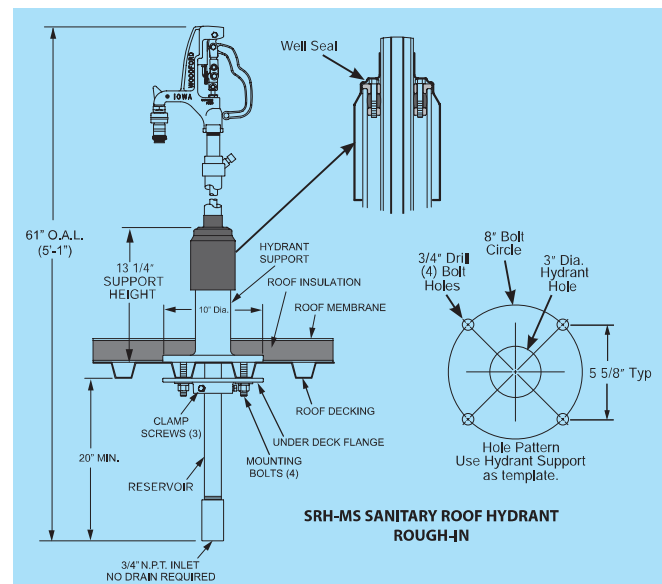
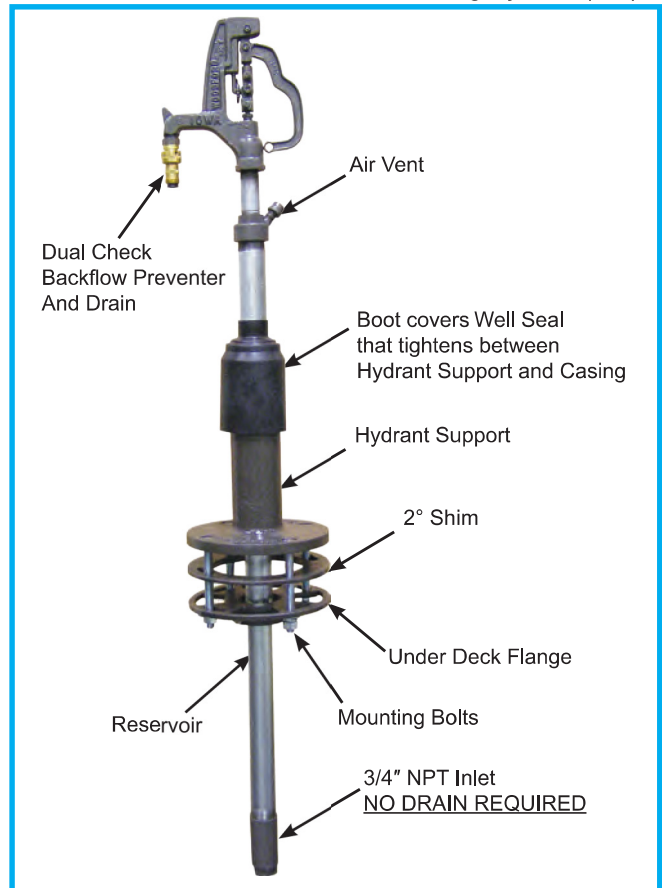
**For Installation / Troubleshooting Instructions go to [www.woodfordmfg.com](http://www.woodfordmfg.com) or call 1-800-621-6032**



# Freezeless Sanitary Roof Hydrant No Drain Line Required!

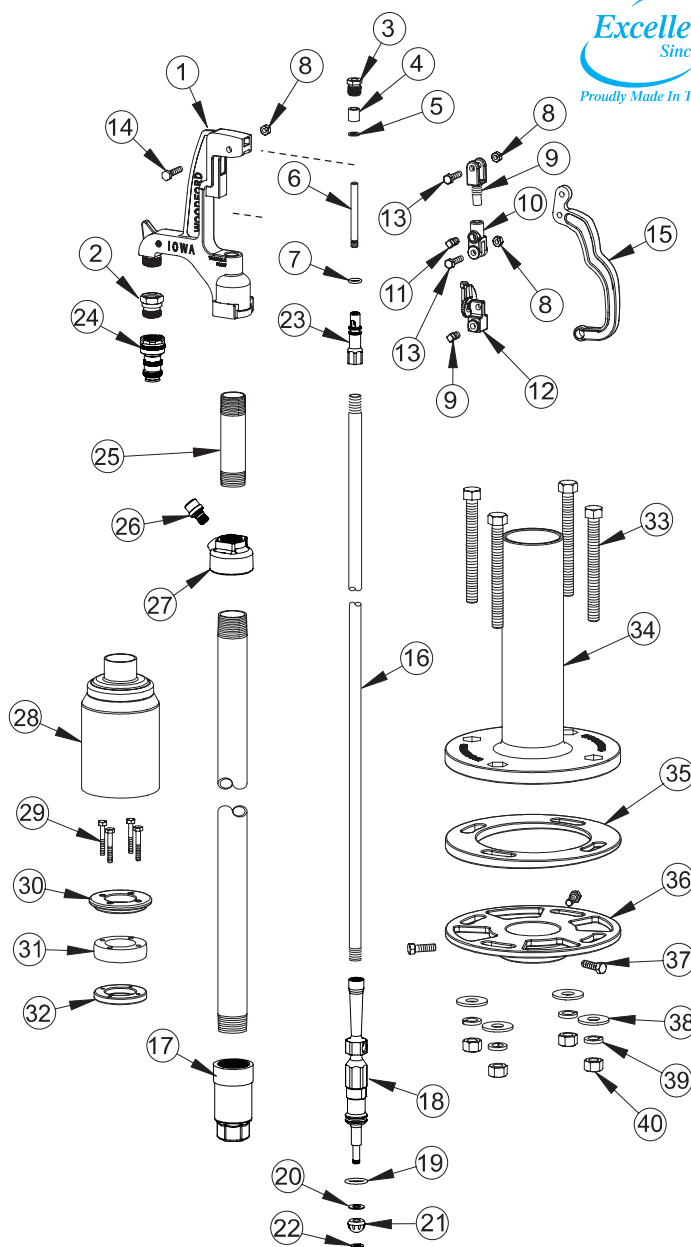
## Model SRH-MS

*Can be ordered with or without Mounting System (MS).*



## MODEL SRH-MS PARTS LIST

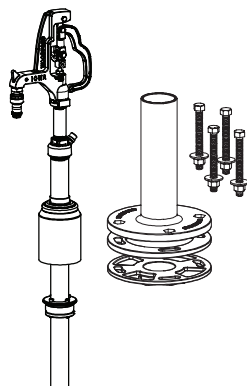
ITEM	PART#	DESCRIPTION
	15126	SRH Head Assembly (Includes Items 1-15, 23 & 24)
1	10632	SRH Head
2	10004	3/4" Brass Hose Nozzle
3	10100	Packing Nut
4	10101	Packing
5	10102	Packing Support Washer
6	15121	Brass Rod Stem
7	10117	O-Ring - 206
8	10206	Hex Nut (3)
9	10614	RH Upper Link
10	15242	RH Lower Link (Includes Item 11)
11	10019	Set Screw (2)
12	15243	RH Cam & Clevis Assembly
13	10020	Link Bolt (2)
14	10021	Lever Bolt
15	10613	RH Lever
16	10024	Operating Pipe
17	15122	Valve Body (3/4" NPT Inlet)
18	15123	Venturi Assembly
19	10118	Valve Body O-Ring
20	50027	Support Washer
21	51013	Ball Valve Rubber
22	50028	Round Brass Nut
23	10116	Sealing Head Coupling
24	50H-BR	50H Backflow Preventer
25	15120	Upper Pipe Assembly
26	15124	SRH Vent Assembly
27	15125	SRH Casing Cover
28	10608	RH Boot, EPDM
29	10625	Bolt, Allen Head 1/4-20 X 1 3/4" (4)
30	10626	Well Seal-1 1/2", Top
31	10119	Well Seal-1 1/2", EPDM
32	10627	Well Seal-1 1/2", Bottom
33	10584	Bolt, Hex Head 5/8-11 X 6" (4)
34	10579	Hydrant Support, Casting
35	10581	2" Shim, Casting
36	10580	Under Deck Flange
37	10607	Screw, Clamp 3/8-16 Hex Head X 1 3/4" (3)
38	10604	Washer, Plain 5/8 (4)
39	10605	Washer, Lock 5/8 (4)
40	10585	Nut, Hex 5/8-11 UNC (4)
	RK-SRH	Repair Kit (Includes items 3-7, 19-22)
	RK-RHL	Repair Kit (Includes items 8-15)



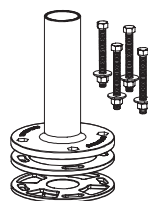
**When ordering, specify SRH part number option listed below.**

**Part# SRH-MS** Consists of the complete Roof Hydrant system:  
**Qty. 1 SRH** Hydrant shipped in 1 carton.  
**Qty. 1 RH-MS** Mounting System shipped in 1 carton.

Total Shipping Wt.  
 2 cartons: 50 lbs

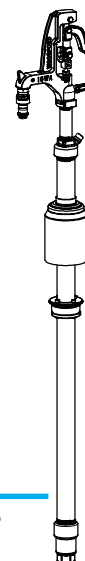


**Part# RH-MS** Carton contents consists of:  
 Mounting System/  
 Rough-In Components  
 (Parts 33-40 above)  
 • Hydrant Support  
 • 2" Shim,  
 • Under Deck Flange  
 • Mounting Bolts, Nuts,  
 Washers.  
 Shipped in 1 Carton.  
 Shipping Wt. - 30 lbs



**Part# SRH** Carton contents consists of:  
 • Hydrant Assembly  
 (Parts 1-32 above)  
 • Well Seal  
 (Parts 28-32 above)  
 • Boot (Part 28 above)

Shipped in 1 Carton.  
 Shipping Wt. - 20 lbs



*For more information contact...*

## WOODFORD MANUFACTURING COMPANY

2121 Waynoka Road, Colorado Springs, Colorado 80915 • **Phone:** (800) 621-6032 • **Fax:** (800) 765-4115  
 To view our complete product line visit: [www.woodfordmfg.com](http://www.woodfordmfg.com) or email: [sales@woodfordmfg.com](mailto:sales@woodfordmfg.com)  
 A Division Of WCM Industries, Inc.

Garage Drain

Zurn 504



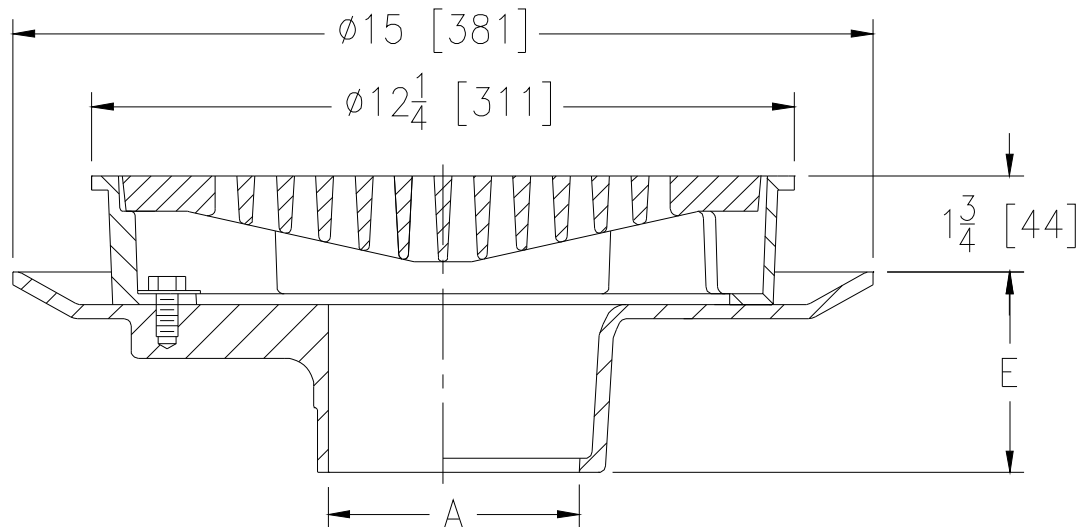
# Z504

## 12 [305] HEAVY-DUTY DRAIN

SPECIFICATION SHEET

TAG \_\_\_\_\_

Dimensional Data (inches and [ mm ]) are Subject to Manufacturing Tolerances and Change Without Notice



A- Pipe Size In.	Approx. Wt. Lbs. [kg]	Grate Open Area Sq. In. [cm <sup>2</sup> ]
3-4-6 [76-102-152]	32 [15]	30 [194]

**ENGINEERING SPECIFICATION:** ZURN Z504 12 [305] Diameter top drain-Dura-Coated cast iron body with bottom outlet, seepage pan and combination membrane flashing clamp and frame for heavy-duty slotted grate.

### OPTIONS (Check/specify appropriate options)

#### PIPE SIZE

3-4-6 [76-102-152]  
3-4-6 [76-102-152]  
3-4-6 [76-102-152]  
3-4-6 [76-102-152]  
3-4 [76-102]

#### (Specify size/type) OUTLET

\_\_\_ IC Inside Caulk  
\_\_\_ IG Inside Gasket  
\_\_\_ IP Threaded  
\_\_\_ NH No-Hub  
\_\_\_ NL Neo-Loc

#### 'E' BODY HT. DIM.

3-1/2 [89]  
3-1/2 [89]  
3-1/2 [89]  
3-1/2 [89]  
2-5/8 [67]

#### PREFIXES

\_\_\_ Z D.C.C.I. Body and Top\*  
\_\_\_ ZB D.C.C.I. Body with Polished Bronze Top (Add 3/16 [5] to 1-3/4 [44] Dim. and 3/4 [20] to 12-1/4 [311] Dim.)  
\_\_\_ ZN D.C.C.I. Body with Polished Nickel Bronze Top (Add 3/16 [5] to 1-3/4 [44] Dim. and 3/4 [20] to 12-1/4 [311] Dim.)

#### SUFFIXES

\_\_\_ -AR Acid Resisting Epoxy Coated Cast Iron  
\_\_\_ -D Dome Grate  
\_\_\_ -DG Duresist Grate  
\_\_\_ -F Extension Frame  
(Specify Total Height Req'd.)  
\_\_\_ -G Galvanized Cast Iron  
\_\_\_ -H Hinged Grate  
\_\_\_ -HP Heel-Proof Grate  
\_\_\_ -HT Square Hinged Grate  
\_\_\_ -P Trap Primer Connection  
\_\_\_ -S Secondary Strainer  
\_\_\_ -SC Solid Cover  
\_\_\_ -T Square Top (Add 7/16 [11] to 1 3/4 [44] Dim.)  
\_\_\_ -TC Neo-Loc Test Cap Gasket  
(3 - 4 [76 - 102] NL Bottom Outlet Only)  
\_\_\_ -TS Top Secured with Slotted Screws  
\_\_\_ -V Backwater Valve (See Z1099)  
\_\_\_ -VP Vandal-Proof Secured Top  
\_\_\_ -Y Sediment Bucket

\*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

REV. F DATE: 11/15/10 C.N. NO. 120410

DWG. NO. 58921 PRODUCT NO. Z504

ZURN INDUSTRIES, LLC. ♦ SPECIFICATION DRAINAGE OPERATION ♦ 1801 Pittsburgh Ave. ♦ Erie, PA 16514

Phone: 814/455-0921 ♦ Fax: 814/454-7929 ♦ World Wide Web: www.zurn.com

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

Garage Drain

Zurn 509



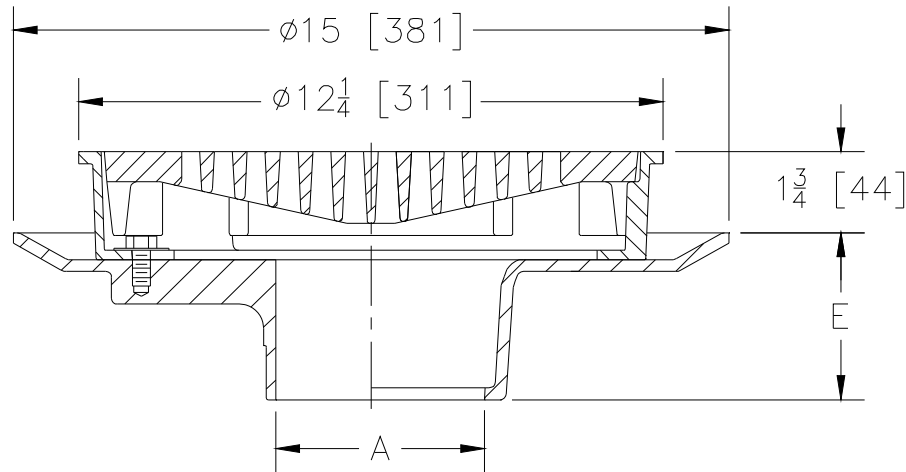
# Z509

## 12 [305] HEAVY DUTY DRAIN

SPECIFICATION SHEET

TAG \_\_\_\_\_

Dimensional Data (inches and [ mm ]) are Subject to Manufacturing Tolerances and Change Without Notice



A- Pipe Size In.	Approx. Wt. Lbs. [kg]	Grate Open Area Sq. In. [cm <sup>2</sup> ]
3-4-6 [76-102-152]	38 [17]	30 [194]

**ENGINEERING SPECIFICATION:** ZURN Z509 12 [305] Diameter top drain. Dura-Coated cast iron body with bottom outlet, seepage pan and combination membrane flashing clamp and frame for heavy duty tractor grate.

### OPTIONS (Check/specify appropriate options)

#### PIPE SIZE

3-4-6 [76-102-152]  
3-4-6 [76-102-152]  
3-4-6 [76-102-152]  
3-4-6 [76-102-152]  
3-4 [76-102]

#### (Specify size/type) OUTLET

\_\_\_\_\_ IC Inside Caulk  
\_\_\_\_\_ IG Inside Gasket  
\_\_\_\_\_ IP Threaded  
\_\_\_\_\_ NH No-Hub  
\_\_\_\_\_ NL Neo-Loc

#### 'E' BODY HT. DIM.

3-1/2 [89]  
3-1/2 [89]  
3-1/2 [89]  
3-1/2 [89]  
2-5/8 [67]

#### PREFIXES

\_\_\_\_\_ Z D.C.C.I. Body and Top\*  
\_\_\_\_\_ ZB D.C.C.I. Body with Polished Bronze Top (Add 3/16 [5] to 1-3/4 [44] Dim. and 3/4 [20] to 12-1/4 [311] Dim.)  
\_\_\_\_\_ ZN D.C.C.I. Body with Polished Nickel Bronze Top (Add 3/16 [5] to 1-3/4 [44] Dim. and 3/4 [20] to 12-1/4 [311] Dim.)

#### SUFFIXES

\_\_\_\_\_ -AR Acid Resisting Epoxy Coated Cast Iron  
\_\_\_\_\_ -D Dome Grate  
\_\_\_\_\_ -DG Duresist Grate  
\_\_\_\_\_ -DX Dex-O-Tex Flange  
\_\_\_\_\_ -G Galvanized Cast Iron  
\_\_\_\_\_ -HP Heel-Proof Grate  
\_\_\_\_\_ -P Trap Primer Connection  
\_\_\_\_\_ -PH Grate with 3/8 [9] dia. Openings (Z only)  
\_\_\_\_\_ -S Secondary Strainer  
\_\_\_\_\_ -T Square Top  
\_\_\_\_\_ -TC Neo-Loc Test Cap Gasket  
(3 [76]-4 [102] NL Bottom Outlet Only)  
\_\_\_\_\_ -TS Top Secured with Slotted Screws  
\_\_\_\_\_ -V Backwater Valve (See Z1099)  
\_\_\_\_\_ -VP Vandal-Proof Secured Top  
\_\_\_\_\_ -Y Sediment Bucket  
\_\_\_\_\_ -90 90° Threaded Side Outlet Body

\*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

REV. E DATE: 11/15/10 C.N. NO. 120414

DWG. NO. 58925 PRODUCT NO. Z509

ZURN INDUSTRIES, LLC. ♦ SPECIFICATION DRAINAGE OPERATION ♦ 1801 Pittsburgh Ave. ♦ Erie, PA 16514

Phone: 814/455-0921 ♦ Fax: 814/454-7929 ♦ World Wide Web: www.zurn.com

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

AD-4

Josam 30000-IRMA-S Pool Deck Drain

## Pool Shower

The Pool Shower PSDF-1500 Free Standing Shower Unit

**PSDF-1500**

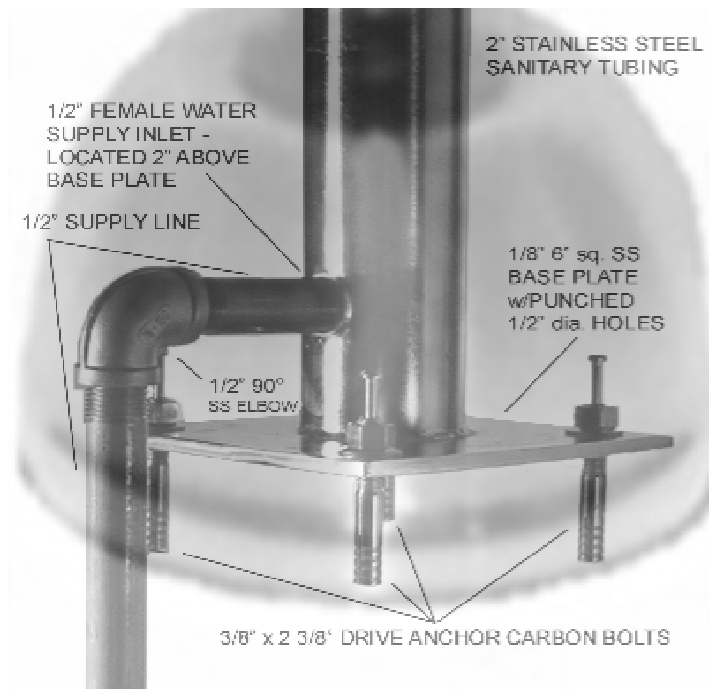
## Free Standing Shower Unit

### TECHNICAL DIAGRAM

Shown with ADA Compliant Metered Push Valves

Also Available with Standard Cross Handle Valves

Recommended Height of Shower Head from Flooring Surface: 78"



**Shower Head – 2.5 GPM**

1/2" x 44" Stainless Steel Riser  
120° Bend

**On/off Shower Head Valve →**

40" →

←38"

**BASE:** 2.5" Polished Sanitary  
Tubing – 1/2" Female  
Threaded Couplings

**Hose Bibb with Vacuum Breaker**  
– 1/2" MPT

←16"

**Rubber Grommet**

**Base Cover – 10" Diameter**



Drinking Fountain Bubbler Available  
with ADA Compliant Metered Push  
Valve or ADA Compliant Auto  
Release Lever Handle.



www.poolshower.com  
1-866-shower1

HB-1

Woodford 24 Hose Bibb

The Model 24 and B24 are anti-siphon, vacuum breaker protected wall faucets designed for use in mild climate areas. The Model B24 is enclosed in a flush mounted wall box. Both models are designed to blend with modern architecture for installation on or in homes, service stations, churches, motels, drive-in restaurants, etc. The Model Y24 is designed to be used on a stand pipe in the lawn and garden, etc.

## Anti-Siphon Wall Faucets



### Model 24/B24/Y24

#### SPECIFICATIONS:

##### VACUUM BREAKER - ANTI-SIPHON:

- NIDEL® Model 34HF with 3/4 inch male hose thread
- ASSE Standard 1011 approved
- IAPMO® listed
- Canadian Standards Association

**EPDM PACKING:** Prevents leaking.

**PACKING NUT:** Adjustable brass nut with deep stem guard.

**VALVE SEAT:** Standard "O" size washer.

**HANDLES:** Furnished with polycarbonate wheel handle and loose tee key.

**Optional:** Metal wheel handle.

**INLETS:** Model 24 as shown below.  
Model B24: 24P- 1/2 or 24P 3/4 only.  
Model Y24: 3/4 " FPT.

**MAX PRESSURE:** 125 p.s.i.

**MAX TEMPERATURE:** 120° F

**SHIPPING WEIGHT:** (per unit)

**MODEL 24 & Y24:** 1 lb

**MODEL B24:** 13 lbs (brass or chrome box)  
6 lbs (aluminum box)



**MODEL 24**

##### Exterior Finish:

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



**MODEL B24**

##### Exterior Finish:

Standard - Chrome (CH)  
Optional- Rough Brass (BR) or Polished Brass (PB)  
Other Options: Anodized Aluminum Box (AL)



**MODEL Y24**

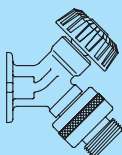
##### Exterior Finish:

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

#### Inlet Descriptions

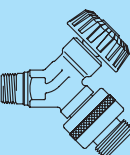
##### MODEL 24/B24

P-1/2 Inlet  
1/2" FPT  
P-3/4 Inlet  
3/4" FPT



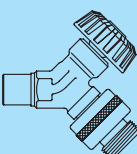
##### MODEL 24 ONLY

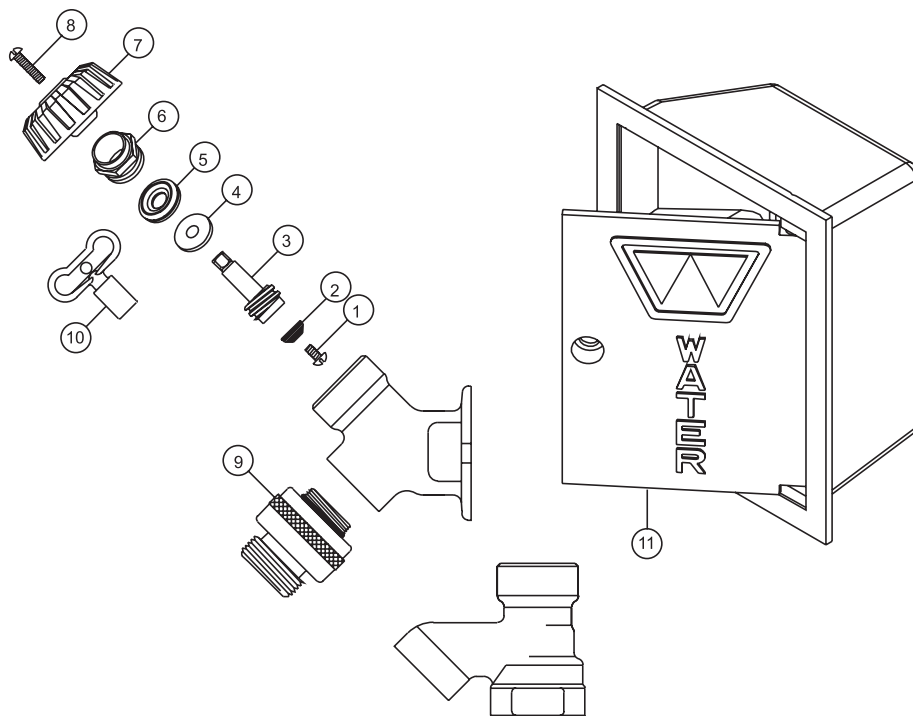
CP Inlet  
COMBINATION  
1/2" COPPER TUBE  
1/2" MPT



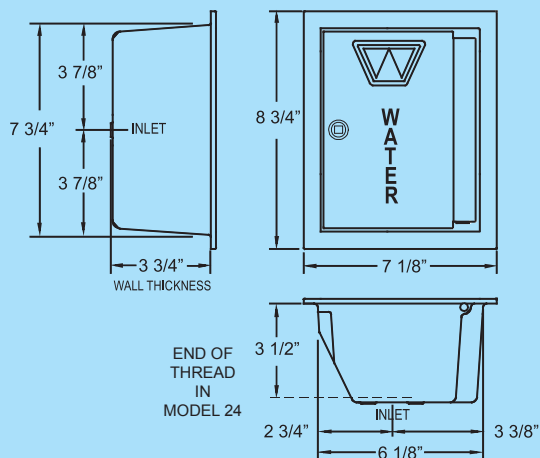
##### MODEL 24 ONLY

C Inlet  
COMBINATION  
1/2" COPPER TUBE  
3/4" COPPER TUBE



**WOODFORD****MODEL 24/B24/Y24 PARTS LIST**

ITEM	PART#	DESCRIPTION
1	30009	Washer Screw
2	30008	Washer
3	30104	Operating Stem
4	30105	Packing Support Washer
5	30247	EPDM Packing
6	30109	Packing Nut - Chrome
	30107	Packing Nut - Brass
7	30120	Wheel Handle - Clear
	30233	Wheel Handle - Tan
8	30121	Handle Screw - Nickel
	30002	Handle Screw - Brass
9	34HF-CH	34HF Vacuum Breaker - Chrome
	34HF-BR	34HF Vacuum Breaker - Brass
10	RK-STK	Tee Key
11	B24BX	Box/Door Assembly - Chrome
	B24BX-BR	Box/Door Assembly - Brass
	B24BX-PB	Box/Door Assembly - Polished Brass
	B24BX-AL	Box/Door Assembly - Anodized Aluminum
	RK-24	Chrome Repair Kit (Includes items 1-8)
	RK-H34	Brass Repair Kit (Includes items 1-8)

**MODEL B24  
Rough-In Dimensions**

Manufactured under one or more of the following patents: U.S. Patents: 3,414,001; 3,543,786; 4,178,956; 4,316,481; D216,790; D216,791; D277,365; D277,366; Canada Patents: 822,458; 852,529; 865,995

*For more information contact...*

**WOODFORD MANUFACTURING COMPANY**

2121 Waynoka Road, Colorado Springs, Colorado 80915 • Phone: (800) 621-6032 • Fax: (800) 765-4115

To view our complete product line visit: [www.woodfordmfg.com](http://www.woodfordmfg.com) or email: [sales@woodfordmfg.com](mailto:sales@woodfordmfg.com)

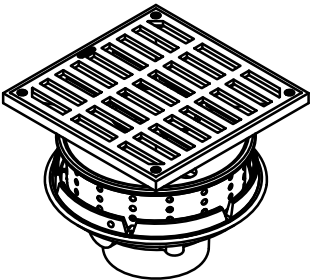
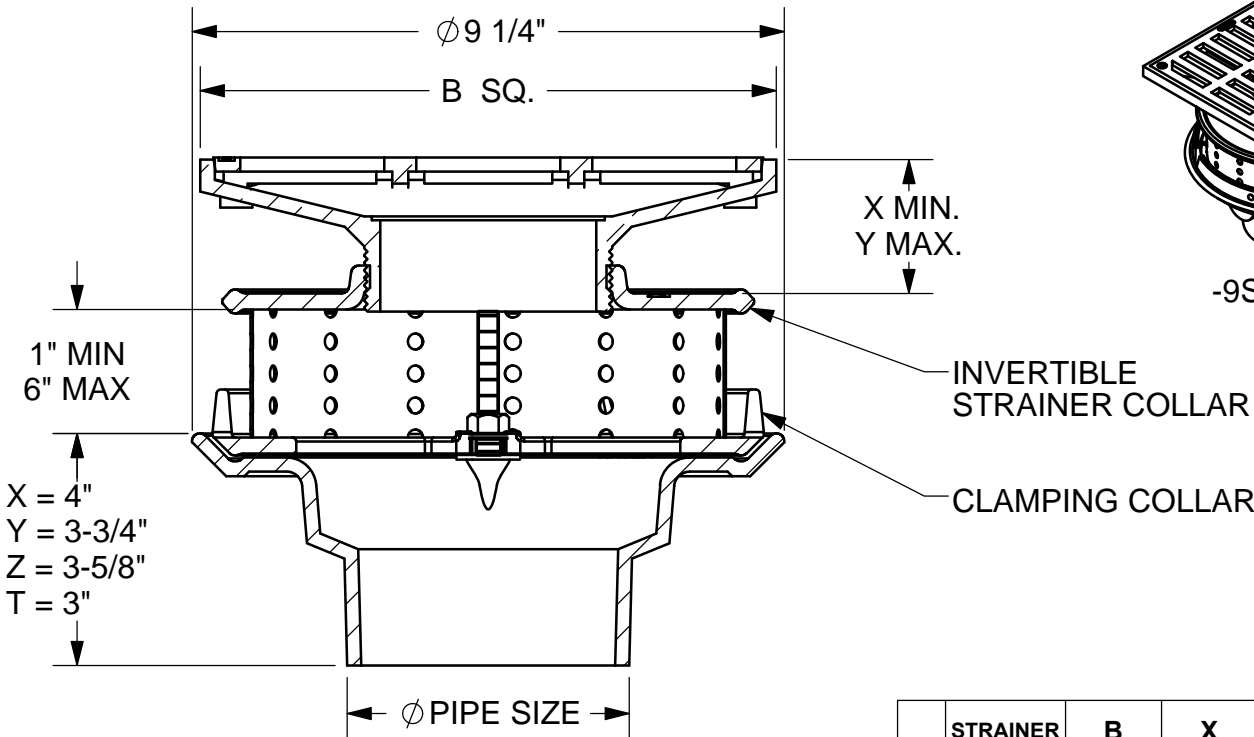
A Division Of WCM Industries, Inc.

SPECIFICATION:

JOSAM 30000-IRMA-S SERIES CAST IRON FLOOR DRAIN, TWO-PIECE BODY WITH DOUBLE-DRAINAGE FLANGE AND 1/2" PRIMER TAP, PERFORATED STAINLESS STEEL EXTENSION, WEJLOC CLAMP COLLAR, INVERTIBLE STRAINER COLLAR, BOTTOM OUTLET CONNECTION, AND NIKALOY ADJUSTABLE SQUARE SUPER-FLO STRAINER.

DRAIN  
SQUARE GRATE  
PERF. SS EXTENSION

SERIES **30000-IRMA-S**



-9S SHOWN

SPECIFY IRMA HEIGHT (1 MIN/6 MAX): 6"

	STRAINER	B	X	Y	FREE AREA
	-5S**	5	7/8	1-7/8	9.1
	-6S**	6	7/8	2-1/4	13.8
	-8S**	8	1-1/4	2-1/2	24.5
	-9S***	9	1-1/2	2-1/2	28

\* GASKET FOR -Y CONNECTION  
CONFORMS WITH ASTM-C564

\*\* 1/4" SLOTS - ADA AND HEELPROOF  
\*\*\* 15/32" SLOTS - ADA

	2"	PIPE SIZE
	3"	PIPE SIZE
	4"	PIPE SIZE
	-X	INSIDE CAULK OUTLET
	-Y *	PUSH-ON WITH GASKET OUTLET
	-Z	NO-HUB OUTLET
	-T	THREADED OUTLET
	-TSO	THREADED SIDE OUTLET
	-ST	WITH SHALLOW TRAP (2" AND 3" ONLY)
	-PD	PRISON DRAIN (2" AND 3" ONLY)

	-ARE	ACID-RESISTING EPOXY
	-49	3/4" PRIMER TAP (1/2" STD.)
	-91	ROUGH BRONZE BODY
	-92	GALV. CAST IRON PARTS
	-SS	STAINLESS STEEL (9S N/A)
	-2	BRONZE ADJ. STRAINER
	-80	PERF. SS BASKET
	-CP	CHROME PLATED STRAINER (5S, 6S)
	-J	BACKWATER VALVE
	-VP	SECURED GRATE

DATE OF LAST CHANGE: 05/29/15

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

JOSAM COMPANY  
MICHIGAN CITY, INDIANA

NOTES

RD

Smith 1010 Roof Drain



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



MEMBER OF:

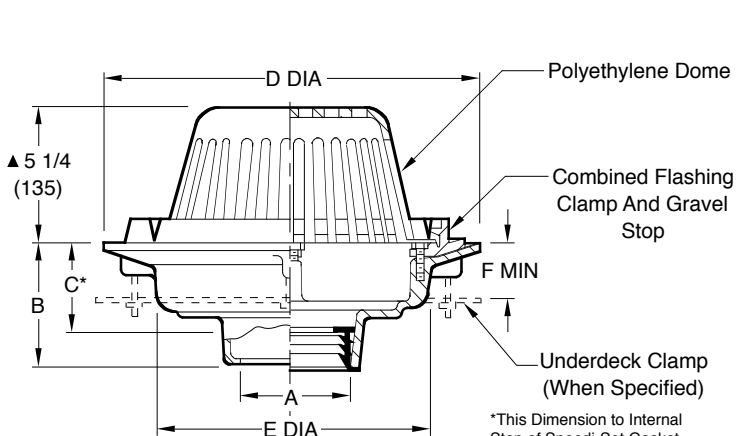


LOCATION

# LARGE GENERAL PURPOSE ROOF DRAINS

## LOW PROFILE DOME

**FUNCTION:** Used in flat roof of any construction. Large low profile dome provides sufficient free area for quick drainage of rain water and protects the drain sump and connected piping from the intrusion of debris. Wide clamping surface holds flashing and roofing materials without puncturing.



☐ Fig. 1010C . . . CAULK OUTLET  
☐ Fig. 1010Y . . . NO-HUB OUTLET

### recommended deck opening

outlet size	with suffix-R	less suffix-R
02(50),03(75),04(100) 05(125),06(150)	17(430) DIA	14(355) DIA
**08(200)-16, **10(250)-16	17(430) DIA	14 3/4 (375) DIA

A SIZE	B (BOTTOM OUTLET)			SIDE OUTLET			FREE AREA SQ IN (SQ CM)
	CAULK, NO-HUB, & SPEEDI-SET	THREADED	C	D DIA	E DIA	F MIN	
02(50),03(75),04(100)	5 (125)	3 3/4 (95)	3 3/4 (95)	15 1/4 (390)	11 (280)	1 1/8 (29)	102.5 (661)
05(125),06(150)	5 (125)	3 3/4 (95)	--	15 1/4 (390)	11 (280)	1 1/8 (29)	102.5 (661)
**08(200)-16, **10(250)-16	6 (150)	5 (125)	--	16 (405)	12 1/2 (320)	1 1/8 (29)	102.5(661) ▲122.5(790)

### REGULARLY FURNISHED:

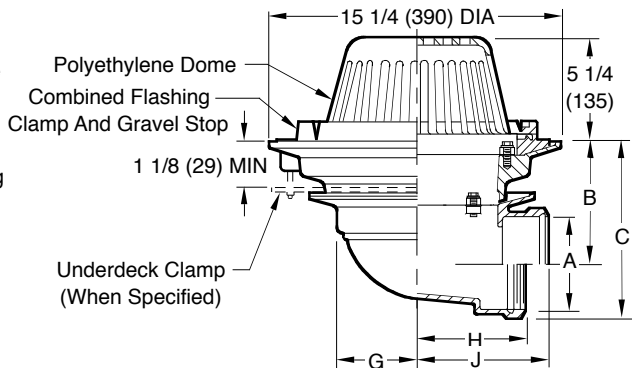
Duco Cast Iron Body with Combined Flashing Clamp and Gravel Stop with Polyethylene Dome.

▲ **NOTE:** The dome height is 8 1/4" (210) for the 122.5 SQ IN free area dome and is regularly furnished in Cast Iron and is not available in polyethylene.

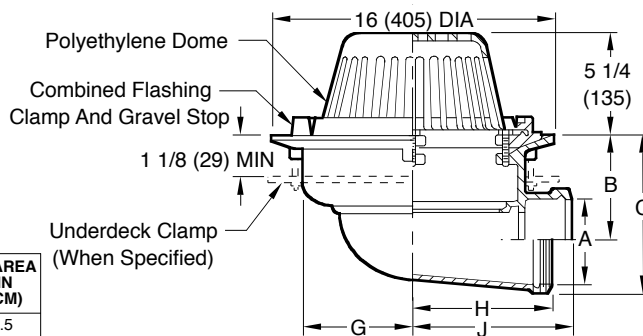
**NOTE:** Dimensions shown in parentheses are in millimeters.

### VARIATIONS:

- ☐ Expansion Joint (Specify Fig.1710) (Fig. 1010 only)
- ☐ Extension (Specify Height) -E
- ☐ "L" Shaped Underdeck Clamp -CL
- ☐ L Speedi-Set Service Weight (Fig. 1010 only)
- ☐ LXH Speedi-Set Extra Heavy (Fig. 1010 only)
- ☐ NO-HUB Adaptor (Specify Fig. 2646Y) (Fig. 1020 only)
- ☐ Secondary Flashing Clamp -C2
- ☐ Sump Receiver -R
- ☐ Underdeck Clamp -C
- ☐ Vandal Proof Dome -U
- ☐ T Threaded Outlet



☐ Fig. 1020C 02(50), 03(75) & 04(100)" CAULK OUTLET  
☐ Fig. 1020T 02(50), 03(75) & 04(100)" THREADED OUTLET



☐ Fig. 1020C 05(125) & 06"(150) CAULK OUTLET  
☐ Fig. 1020T 05(125) & 06"(150) THREADED OUTLET

### (SIDE OUTLET)

A SIZE	02 (50)	03 (75)	04 (100)	05 (125)	06 (150)
B	6 7/8 (175)	6 3/8 (162)	5 7/8 (149)	5 (125)	4 1/2 (115)
C	8 5/8 (219)	8 3/4 (220)	8 3/4 (220)	8 1/2 (215)	8 1/2 (215)

### OPTIONAL MATERIALS:

- ☐ All Aluminum -AA (Fig. 1010 only)
- ☐ ▲▲ Aluminum Dome -AD
- ☐ ▲▲ Cast Iron Dome -CID
- ☐ ▲▲ Galvanized Cast Iron Dome -CIDG
- ☐ Galvanized Cast Iron Body & Collar -G
- ☐ ▲▲ Rough Bronze Dome -RBD
- ☐ Stainless Steel (Specify Fig. 9780)

▲▲ Optional Domes' free area are as follows:	
<b>Dome Mat'l 02-06 &amp; 08-16 Outlets</b>	
Aluminum	98 (632)
Cast Iron	80 (516)
Bronze	95 (613)

DRAWING NUMBER  
S1010

SIZE  
A

SCALE:  
NONE

DATE:  
5-24-85

APPROVED BY:  
TD

CHECKED BY:  
TD

DRAWN BY:  
CR

1010, 1020

FIGURE NUMBER

REV.	DATE	DESCRIPTION	BY	CHKD. BY
T S R	3-12-13 06/01/09 06-09-08	Rev. Tables, Notes Added Optional Dome free areas Added NOTE	TBW JJ RN	CL CL CL

WEIGHT  
POUNDS

VOLUME  
CUBIC FEET

FIGURE NUMBER

1010, 1020

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

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

Sanitary Sewage Ejector Pump

## Model Designation

Qty. 2 - Model #

50 DW U 6 .4 S

50 DW U 6 1.5 S 2

DISCHARGE SIZE – mm  
50mm – 2"

MODEL TYPE  
 DW – single channel, threaded connection, manual  
 DWA – single channel, threaded connection, automatic  
 DWF – single channel, flanged connection, manual  
 DWFA – single channel, flanged connection, automatic  
 DWX – vortex type, threaded connection, manual  
 DWXA – vortex type, threaded connection, automatic  
 DWXF – vortex type, flanged connection, manual  
 DWXFA – vortex type, flanged connection, automatic

GEOGRAPHIC DESIGNATION  
 U – U.S.A. market

HERTZ  
 6 – 60

RATED KW  
 .4 1/2HP  
 .75 1HP  
 1.1 1.5HP  
 1.5 2HP  
 2.2 3HP

PHASE  
 none – three phase  
 S – single phase

VOLTAGE  
 (none) – 115  
 2 – 230  
 4 – 460

**\*Note:** The Model DW(A)(F)U, DWX(A)(F)U is listed by the Canadian Standards Association (CSA) as certified (3HP excluded).



**Specifications**

	Manual	Automatic
Discharge Size/Connection	2" NPT or 2" ANSI Flanged	
Range of HP	½ HP to 3 HP	½ HP to 1½ HP
Range of Performance	Capacity 8 to 235 GPM Head 8 to 74 feet	Capacity 8 to 180 GPM Head 8 to 54 feet
<b>Limitation</b> Maximum Water Temperature	104°F (40°C)	
<b>Synchronous Speed</b>	3600 RPM	
<b>Materials</b> Casing Impeller Shaft Motor Frame Fastener	304L Stainless Steel 304L Stainless Steel 304L Stainless Steel 304L Stainless Steel 304L Stainless Steel	
<b>Mechanical Seal</b> Material – Upper Side Material – Lower Side Impeller Type Bearing Motor Single Phase  Three Phase Motor Protection	Double Mechanical Seal Carbon/Ceramic/NBR Silicon Carbide/Silicon Carbide/FPM Single Channel/Vortex Sealed Ball Bearing Air-filled, Insulation Class F  115 V (½, 1HP), 230V  230V, 460V  Built-in Overload Protection (Single phase models) Submersible Cable 25 ft. <i>Consult factory for additional cable lengths.</i>	
Accessories	QDC System	
<b>*Note:</b> 2HP, 1-phase and 3HP, 3-phase units have a cast iron intermediate bracket. The Model DW(A)(F)U, DWX(A)(F)U is listed by the Canadian Standards Association (CSA) as certified (3HP excluded).		



# EBARA Submersible Stainless Steel Pumps

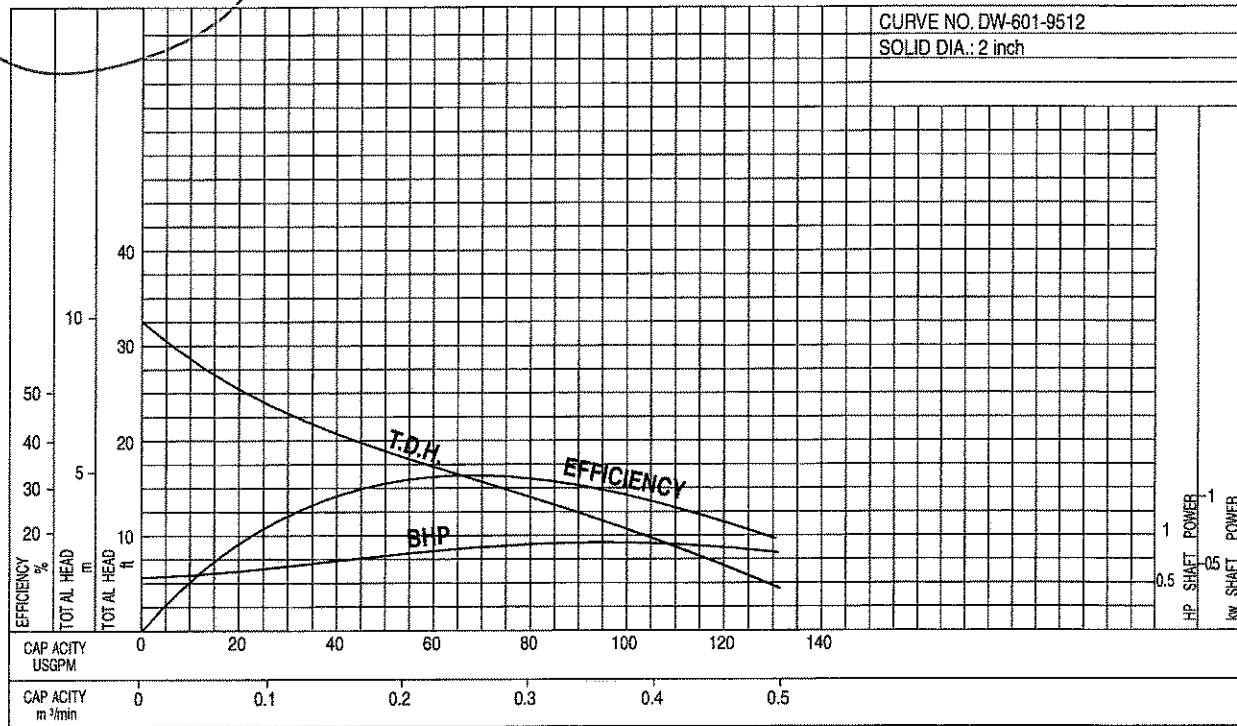
DWU, DWXU – Dominator

## Performance Curves

Project: \_\_\_\_\_ GPM: \_\_\_\_\_ TDH: \_\_\_\_\_ EFF: \_\_\_\_\_ HP: \_\_\_\_\_ Chk'd: \_\_\_\_\_ Date: \_\_\_\_\_

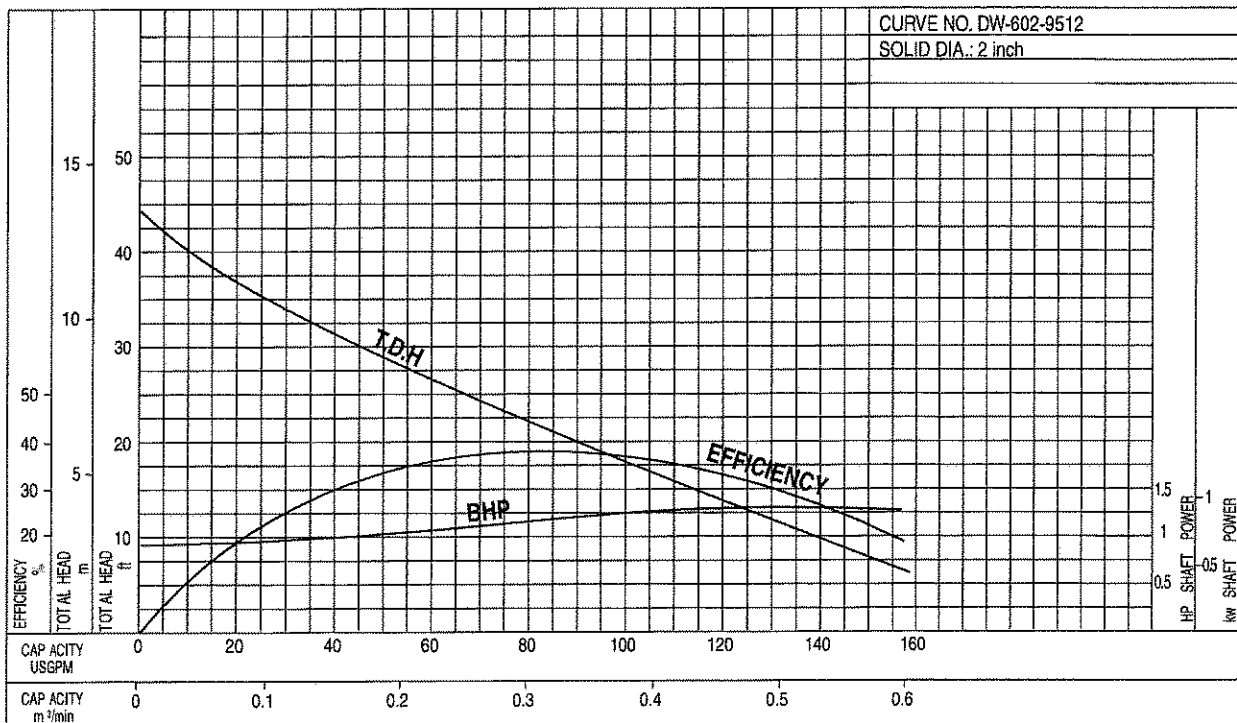
50DW6.4 (1/2HP) Synchronous Speed: 3600 RPM

2 inch Discharge



50DW6.75 (1HP) Synchronous Speed: 3600 RPM

2 inch Discharge



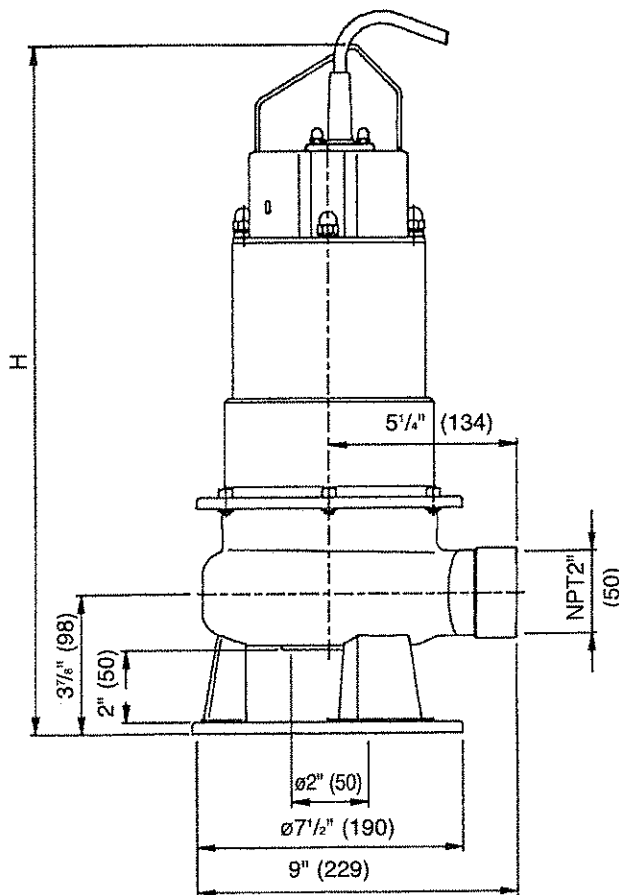
EBARA Fluid Handling  
www.pumpsebara.com  
(803) 327-5005 • (803) 327-5097 (fax)

**Dimensions**

Project: \_\_\_\_\_ Model: \_\_\_\_\_ Chk'd: \_\_\_\_\_ Date: \_\_\_\_\_

**Model DWU**
**Manual Operation Pumps**

Unit: inch (mm)



*Note: Three phase motors are equipped with a Power Cable and a Thermal Protection Cable*

Phase	Size ø	Model	Output		Pump H	Weight Lbs (kg)
			kw	HP		
Single	2" (50mm)	50DWU6.4S	0.4	1/2	21 <sup>5</sup> / <sub>8</sub> (550)	35 (16)
		50DWU6.75S	0.75	1	22 <sup>9</sup> / <sub>16</sub> (580)	40 (18)
		50DWU6.4S2	0.4	1/2	19 <sup>1</sup> / <sub>8</sub> (485)	35 (16)
		50DWU6.75S2	0.75	1	20 <sup>1</sup> / <sub>4</sub> (515)	40 (18)
		50DWU61.1S2	1.1	1 1/2	20 <sup>1</sup> / <sub>4</sub> (515)	44 (20)
		50DWU61.5S2	1.5	2	24 (610)	51 (23)
Three	2" (50mm)	50DWU6.4	0.4	1/2	19 <sup>1</sup> / <sub>8</sub> (485)	33 (15)
		50DWU6.75	0.75	1	19 <sup>1</sup> / <sub>8</sub> (485)	35 (16)
		50DWU61.1	1.1	1 1/2	20 <sup>1</sup> / <sub>4</sub> (515)	40 (18)
		50DWU61.5	1.5	2	20 <sup>1</sup> / <sub>4</sub> (515)	44 (20)
		50DWU62.2	2.2	3	21 <sup>7</sup> / <sub>16</sub> (545)	55 (25)



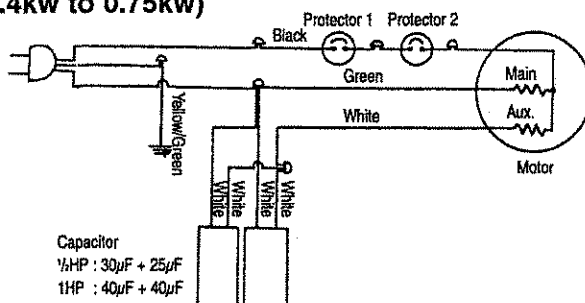
# EBARA Submersible Stainless Steel Pumps DWU, DWFU, DWXU, DWXFU – Dominator

## Motor Wiring Diagram

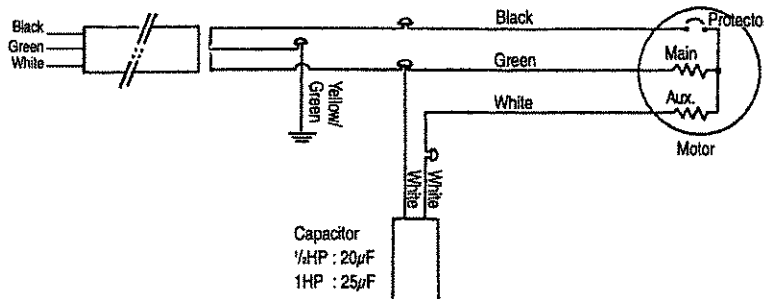
Project: \_\_\_\_\_ Model: \_\_\_\_\_ Chk'd: \_\_\_\_\_ Date: \_\_\_\_\_

### DWU, DWFU, DWXU, DWXFU Manual Operation Type (Single Phase)

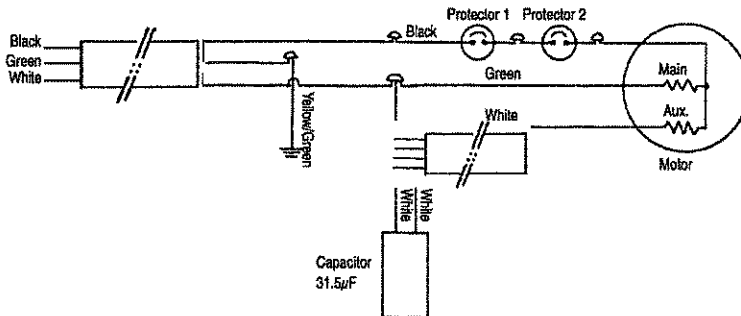
- Output 1/2 to 1 HP (0.4kw to 0.75kw)  
115V



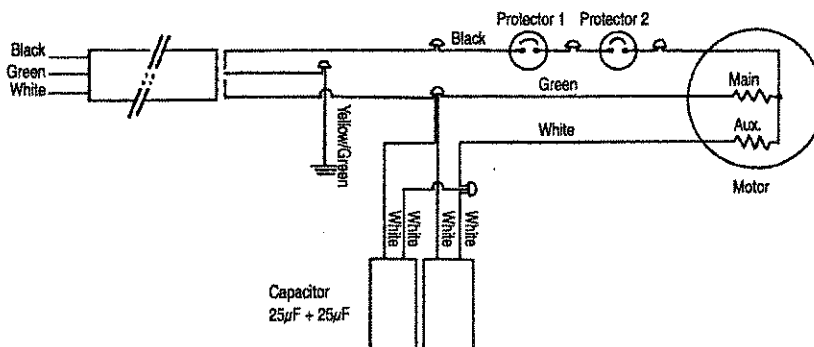
- Output 1/2 to 1 HP (0.4kw to 0.75kw)  
230V



- Output 1 1/2HP (1.1kw)  
230V



- Output 2HP (1.5kw)  
230V



## 36" FIBERGLASS BASINS

### FIBERGLASS BASIN STANDARD BOTTOM

#### PART NO.

GB-36 X 024-100  
GB-36 X 030-100  
GB-36 X 036-100 \*  
GB-36 X 042-100  
GB-36 X 048-100 \*  
GB-36 X 054-100  
GB-36 X 060-100 \*  
GB-36 X 066-100  
GB-36 X 072-100 \*  
GB-36 X 078-100  
GB-36 X 084-100 \*

### FIBERGLASS BASIN GLASS ANTI-FLOAT

#### PART NO.

GB-36 X 024-200  
GB-36 X 030-200  
GB-36 X 036-200 \*  
GB-36 X 042-200  
GB-36 X 048-200 \*  
GB-36 X 054-200  
GB-36 X 060-200 \*  
GB-36 X 066-200  
GB-36 X 072-200 \*  
GB-36 X 078-200  
GB-36 X 084-200 \*  
GB-36 X 090-200  
GB-36 X 096-200 \*  
GB-36 X 102-200  
GB-36 X 108-200  
GB-36 X 114-200  
GB-36 X 120-200  
GB-36 X 126-200  
GB-36 X 132-200  
GB-36 X 138-200  
GB-36 X 144-200  
GB-36 X 150-200  
GB-36 X 156-200  
GB-36 X 162-200  
GB-36 X 168-200  
GB-36 X 174-200  
GB-36 X 180-200  
GB-36 X 186-200  
GB-36 X 192-200  
GB-36 X 198-200  
GB-36 X 204-200  
GB-36 X 210-200  
GB-36 X 216-200  
GB-36 X 222-200  
GB-36 X 228-200  
GB-36 X 234-200  
GB-36 X 240-200

### FIBERGLASS BASIN STEEL ANTI-FLOAT

#### PART NO.

GB-36 X 024-300  
GB-36 X 030-300  
GB-36 X 036-300  
GB-36 X 042-300  
GB-36 X 048-300  
GB-36 X 054-300  
GB-36 X 060-300  
GB-36 X 066-300  
GB-36 X 072-300  
GB-36 X 078-300  
GB-36 X 084-300  
GB-36 X 090-300  
GB-36 X 096-300  
GB-36 X 102-300  
GB-36 X 108-300  
GB-36 X 114-300  
GB-36 X 120-300  
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GB-36 X 150-300  
GB-36 X 156-300  
GB-36 X 162-300  
GB-36 X 168-300  
GB-36 X 174-300  
GB-36 X 180-300  
GB-36 X 186-300  
GB-36 X 192-300  
GB-36 X 198-300  
GB-36 X 204-300  
GB-36 X 210-300  
GB-36 X 216-300  
GB-36 X 222-300  
GB-36 X 228-300  
GB-36 X 234-300  
GB-36 X 240-300

#### CAPACITY

106 GAL  
132 GAL  
159 GAL  
185 GAL  
212 GAL  
238 GAL  
264 GAL  
291 GAL  
317 GAL  
344 GAL  
370 GAL  
397 GAL  
423 GAL  
450 GAL  
476 GAL  
502 GAL  
529 GAL  
555 GAL  
582 GAL  
608 GAL  
635 GAL  
661 GAL  
688 GAL  
714 GAL  
740 GAL  
767 GAL  
793 GAL  
820 GAL  
846 GAL  
873 GAL  
899 GAL  
925 GAL  
952 GAL  
978 GAL  
1005 GAL  
1031 GAL  
1058 GAL

#### WEIGHT

23 LBS  
28 LBS  
34 LBS  
39 LBS  
45 LBS  
50 LBS  
83 LBS  
92 LBS  
100 LBS  
108 LBS  
116 LBS  
125 LBS  
133 LBS  
141 LBS  
199 LBS  
210 LBS  
221 LBS  
232 LBS  
243 LBS  
254 LBS  
332 LBS  
345 LBS  
359 LBS  
373 LBS  
387 LBS  
401 LBS  
414 LBS  
428 LBS  
442 LBS  
547 LBS  
564 LBS  
580 LBS  
597 LBS  
613 LBS  
630 LBS  
646 LBS  
663 LBS

## OPTIONS

#### PART NO.

GA-36 FILLET  
GA-SIMPLEX  
GA-DUPLEX

#### DESCRIPTION

FILLET BOTTOM  
SIMPLEX STUDS  
DUPLEX STUDS

\* STOCK ITEMS CAN BE SHIPPED WITHIN 48 HOURS FROM RECEIPT OF ORDER

BASINS W/FIBERGLASS ANTI-FLOAT FLANGE ADD 30 LBS TO WEIGHT  
BASINS W/STEEL ANTI-FLOAT FLANGE ADD 90 LBS TO WEIGHT

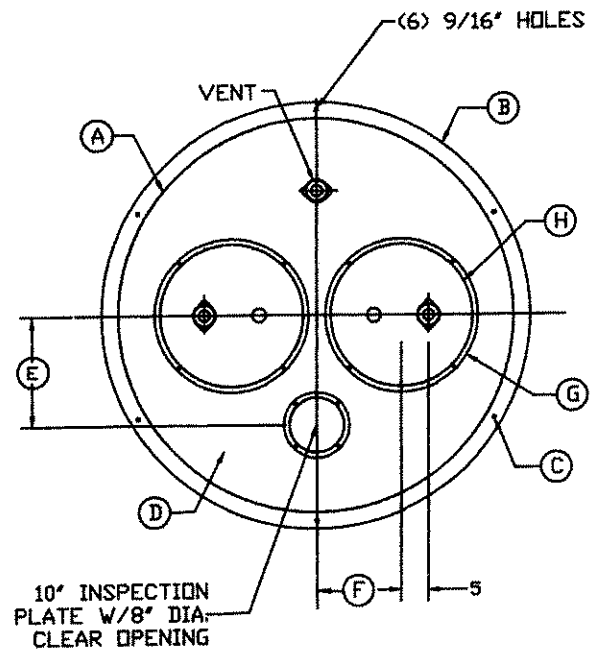
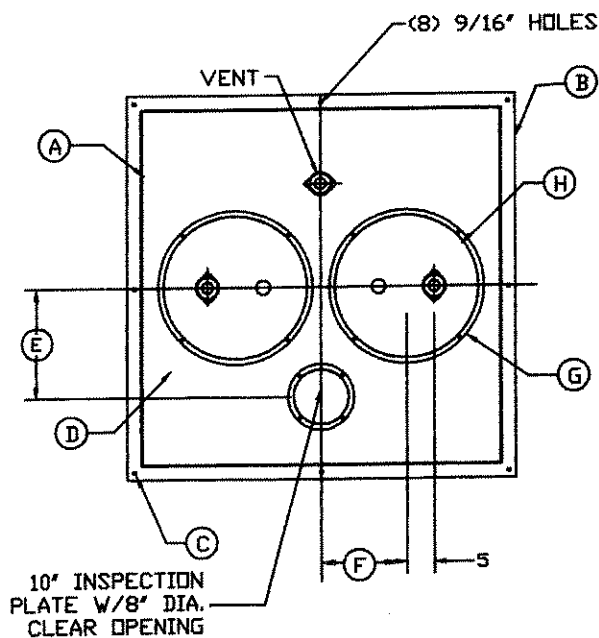


# AK INDUSTRIES, INC.

## DUPLEX STEEL COVERS

PART#	(A) BASIN I.D.	(B) COVER O.D.	(C) BOLT CIRCLE	(D) COVER THICKNESS	(E) DISTANCE	(F) DISTANCE	(G) ACCESS. PLATE DIM.	(H) CLEAR ACCESS. DIM.
LB-S2402 LB-S2402-01	24 24X24	28 28X28	26.5 26.5X26.5	1/4	N/A	6 1/2	15.75 X13	11X 13.75
LB-S3002 LB-S3002-01	30 30X30	34 34X34	32.5 32.5X32.5	1/4	10 1/2	8	16	14
LB-S3602 LB-S3602-01	36 36X36	40 40X40	38.5 38.5X38.5	1/4	13	10	18	16
LB-S4202 LB-S4202-01	42 42X42	46 46X46	44.5 44.5X44.5	1/4	14	11	22	20
LB-S4802 LB-S4802-01	48 48X48	54 54X54	51 51X51	1/4	18	13	22	20
LB-S6002 LB-S6002-01	60X60 60X60	66X66 66X66	63X63 63X63	3/8	20	15 1/2	28	26
LB-S7202 LB-S7202-01	72X72 72X72	78X78 78X78	75X75 75X75	3/8	20	15 1/2	28	26

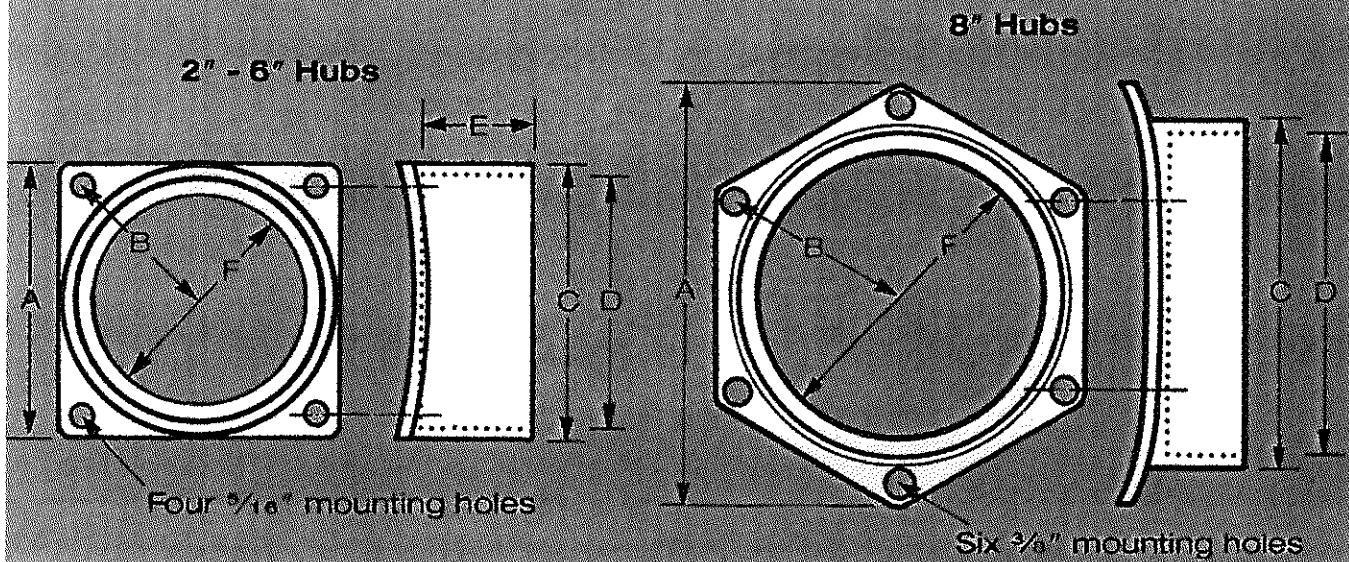
ALL DIMENSIONS IN INCHES



## CAST IRON INLET HUB

### CAULKING HUB

#### Dimensions



INLET HUBS ARE OF CAST IRON CONSTRUCTION AND CUSTOM DESIGNED TO FIT CURVATURE OF THE BASIN. THE INLET HUBS INCLUDE GASKET, NUTS, BOLTS, AND WASHERS.

*Inlet*

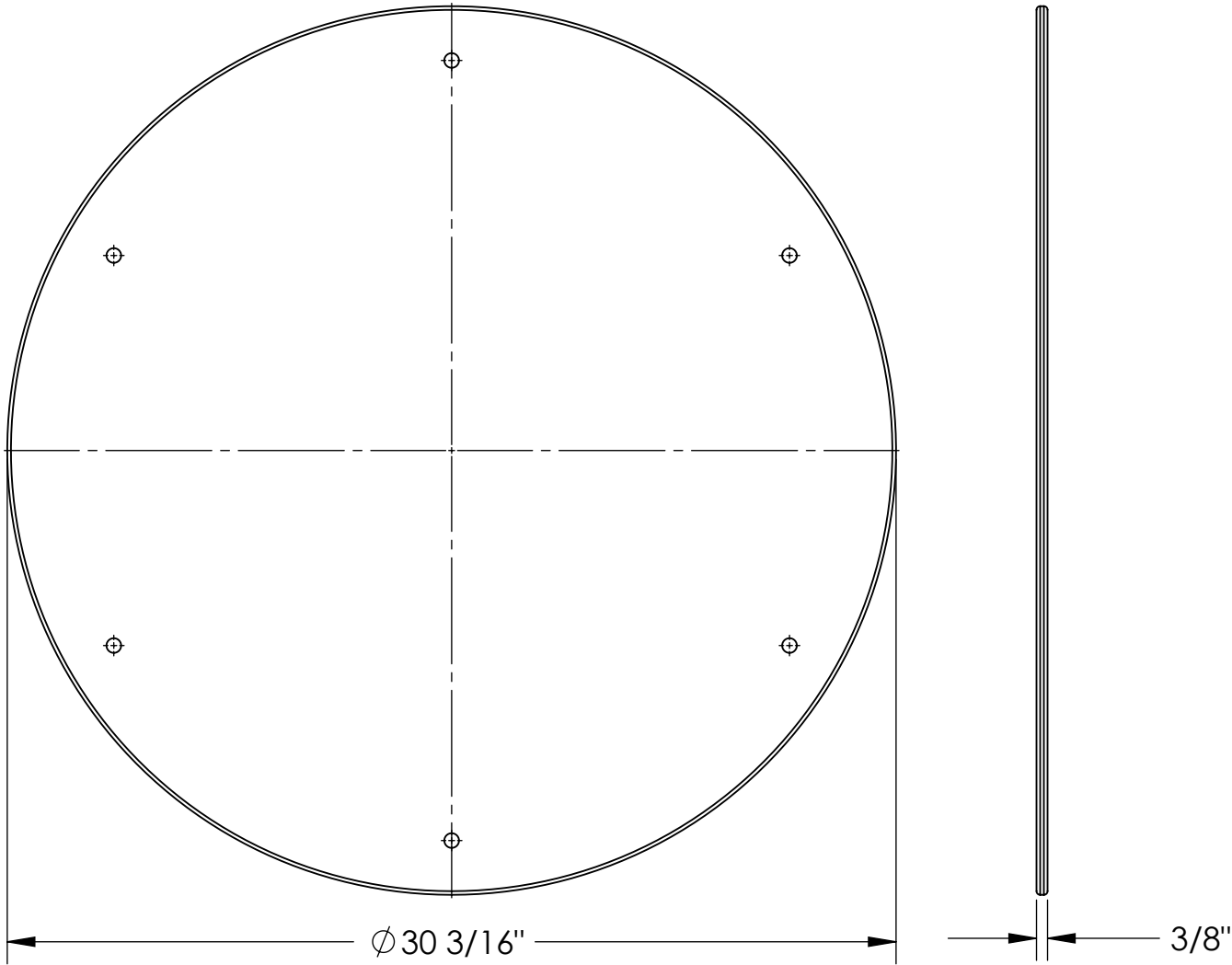
SIZE	2"	3"	4"	6"	8"
A	4"	4 3/4"	6"	8"	12 1/4"
B	2 1/8"	2 5/8"	3 3/8"	4 5/8"	5 5/8"
C	3 3/4"	4 5/8"	5 7/8"	7 3/4"	10"
D	3"	4"	5 1/8"	7 1/8"	9 1/4"
E	2"	2 1/8"	2 1/4"	2 1/4"	2 1/4"
F	2"	3"	4 1/8"	6 1/8"	8 1/8"

### INSTALLATION INSTRUCTIONS

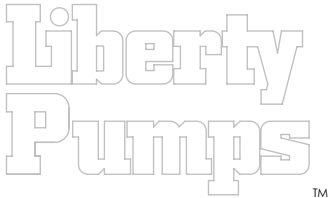
- 1) FIND LOCATION WHERE CENTER OF HUB WILL BE POSITIONED ON BASIN.
- 2) DRILL OR CUT HOLE IN BASIN TO ACCEPT INSIDE DIAMETER OF HUB BEING INSTALLED.
- 3) PLACE HUB ON BASIN WALL AND DRILL MOUNTING HOLES IN BASIN WALL TO MATCH HUB.
- 4) APPLY GASKET TO BACK OF HUB THEN MOUNT HUB TO BASIN.
- 5) INSERT NUTS, BOLTS, WASHERS, AND THEN TIGHTEN IN PLACE
- 6) CHECK YOUR LOCAL PLUMBING CODES FOR APPROVED SEALING METHODS AND MATERIALS

Storm Water Pump

MATERIAL: FIBERGLASS



A	36540	5/2007
rev	project	date



7000 APPLE TREE AVENUE  
BERGEN, N.Y. 14416  
(585) 494-1817

drn by	Damon Flick	tol: xx+/- .02"
		xxx+/- .005"
date	5/10/07	angles +/- 2°
scale		unless otherwise noted
title	BLANK FIBERGLASS COVER / 24" TANK	
part no.	4657000	
Drawing no.	4657000A	sht of
		A

## Check Valves



### Economy Check Valves

**CV2N1 – 1-1/4" and 1-1/2" combo**

**CV150 – 1-1/2"**

**CV200 – 2"**

- ABS valve body
- Rubber slip connect with hose clamps
- Vertical or horizontal installation



### Thread X Barb Fit

**CV150-125T  
1-1/2" MPT x 1-1/4" Barb**

**CV150-150T  
1-1/2" MPT x 1-1/2" Barb**

- PVC construction
- Thread directly into 1-1/2" sump pump discharge



### Quiet Check Valves, Spring-loaded

**QCV150 – 1-1/2"**

**QCV200 – 2"**

- Heavy-duty PVC
- Spring-loaded valve reduces "water hammer" effect
- 125 PSI rated
- Vertical or horizontal installation
- 1/2 lb. spring. Slight reduction in pump performance will occur.
- Consult factory for potential performance losses.
- Maximum fluid temp. 160° F



### Cast Iron, High-temperature 200°F.

**HCV150 1-1/2"**

**HCV200 2"**

- Heavy-duty cast-iron body
- Full flow
- High-temperature rubber flapper - 200° F
- 125 PSI rated
- Vertical or horizontal installation
- Female NPT connections



### Ball / Check / Union Combination

**BCV150 – 1-1/2"**

**BCV200 – 2"**

- Ball/check combo provides compact design
- Heavy-duty PVC
- 125 PSI rated
- Vertical or horizontal installation
- Features union for easy disassembly



### Heavy-duty Compression Fit

**CV2N1C – 1-1/4" and 1-1/2" combo**

**CV200C – 2"**

**CV300C – 3"**

- Heavy-duty PVC
- 125 PSI rated
- Vertical or horizontal installation
- 140° F maximum fluid temperature

# Liberty Pumps®

## LE50-Series

### Sewage Pumps

**1/2 hp  
2" Solids-Handling**

**112 GPM at 10' TDH  
25' Maximum Head**

#### Features:

- Heavy cast iron construction
- Oil filled, thermally protected motor
- Permanently lubricated bearings
  - 2-vane, corrosion resistant  
\*HYTREL® impeller
- All stainless steel fasteners and rotor shaft
- Quick-disconnect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor. (25' length optional)

\*HYTREL® is a registered trademark of DuPont Polymers



#### Models:

**LE51M 115V, 12a, Manual**

**LE51A 115V, 12a, Automatic**

**LE52M 208-230V, 6.8a, Manual**

**LE52A 208-230V, 6.8a, Automatic**

Automatic models feature a mercury-free wide-angle float with series plug—allows for manual operation of pump separate from switch.

innovate. evolve.

# LE50-SERIES

## TECHNICAL SPECIFICATIONS

### PUMP

The pump(s) shall be model \_\_\_\_\_ as manufactured by Liberty Pumps, Bergen, NY, or equal.

The pump(s) shall have a capacity of \_\_\_\_ GPM at a total dynamic head of \_\_\_\_ feet.

Motor size shall be 1/2 horsepower, single phase, 60 hz. and \_\_\_\_ volt operation.

### MOTOR

The pump motor shall be of the submersible type, oil filled, hermetically sealed and shall be thermally protected. The overload element shall automatically reset when motor cools. Motor windings shall be of the class B insulation rating. The rotor shaft shall be made of 416 stainless steel and shall be supported by lower and upper ball bearings.

The power cord shall be of the quick-disconnect design allowing replacement of the cord without breaking seals to the motor and/or oil chamber.

### IMPELLER

The pump shall have a 2-vane semi-open impeller capable of passing a 2" spherical solid.

### SEAL

The shaft seal shall be of the carbon/ceramic unitized design, with BUNA N elastomers and stainless housings.

### EXTERNAL CONSTRUCTION

The pump volute, legs and motor housing shall be gray iron castings, class 25 or better. All fasteners shall be of 300-series stainless steel or brass. All castings shall be epoxy powder coated before assembly.

### LEVEL CONTROL

Automatic units shall be controlled by an adjustable, mercury-free, wide angle float switch. Float cord shall be equipped with a series plug for manual bypass operation.

MODELS	HP	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC	IMPELLER
LE51M	1/2	115	1	12	2" FNPT	NO	2-VANE SEMI-OPEN
LE51A	1/2	115	1	12	2" FNPT	YES	2-VANE SEMI-OPEN
LE52M	1/2	208-230	1	6.8	2" FNPT	NO	2-VANE SEMI-OPEN
LE52A	1/2	208-230	1	6.8	2" FNPT	YES	2-VANE SEMI OPEN

10' cord standard on above models. For 25' cord options, add a "-2" suffix to model number.  
Example: LE51A-2 for Model LE51A with 25' cord.

### DIMENSIONAL DATA:

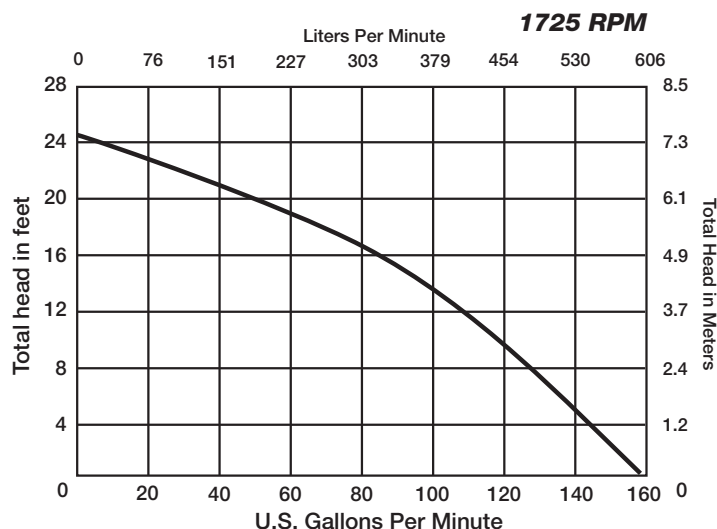
Weight: LE51M: 42 LBS.

Height: 14"

Major Width: 11.5" (manual models)

Maximum fluid temperature 140° F.

### PERFORMANCE CURVE 60 hz



Specifications 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](http://www.libertypumps.com)

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# Liberty Pumps®

## SX-Series

### Simplex Pump Controls

*For reliable control of a single pump in residential or commercial installations. Common applications include sump basins, effluent or sewage pump chambers and lift stations.*

#### Standard Features:

- Across-the-line magnetic contactor
  - Test/Auto switch
- Terminal block for easy wiring
  - Circuit breaker
- Green pump run indicator light (internal)
- Red alarm indicator light/audible alarm
  - Auxiliary Contacts
- Alarm silence and test switches
- Tri 120/208/240V. operation on single phase
- Tri 208/240/480V. operation on three phase

All SX-series panels are shipped complete with floats. Standard cord length is 20 feet.

NEMA 1

NEMA 4X



#### Other Available Options:

- Alarm bell
- Redundant off
- Cycle counter
- Dead front
- Main disconnect
- Flasher
- Manual alarm reset
- Power on light
- Lockable latch
- Overload protection
- Alternate beacon color
- High and low level indicators
- Seal fail indicator
- Anti-condensation heater
- Pilot breaker
- Overload reset, thru-door
- Beacon guard
- Thermal cutout
- Elapsed time meter
- Delay timer
- Lightning arrestor
- GFI convenience receptacle
- Start/Run Capacitors

innovate. evolve.

# SX-SERIES SIMPLEX PUMP CONTROLS

## MODEL SPECIFICATIONS

MODEL	VOLTS	PHASE	FULL LOAD AMPS (Must match pump)	ENCLOSURE
<b>Single Phase</b>				
SXL21=3	120/208/240	1	0 - 14.9 amps	NEMA 1
SXL24=3	120/208/240	1	0 - 14.9 amps	NEMA 4X
SXH21=3	120/208/240	1	15 - 20 amps	NEMA 1
SXH24=3	120/208/240	1	15 - 20 amps	NEMA 4X
**SXHC24=3	120/208/240	1	15 - 20 amps	NEMA 4X
<b>Three Phase*</b>				
SX34=3-131	208/240/480	3	1.6 - 2.5 amps	NEMA 4X
SX34=3-141	208/240/480	3	2.5 - 4.0 amps	NEMA 4X
SX34=3-171	208/240/480	3	4.0 - 6.3 amps	NEMA 4X
SX34=3-191	208/240/480	3	6 - 10 amps	NEMA 4X
SX34=3-511	208/240/480	3	9.0 - 14 amps	NEMA 4X
SX54=3-121	575	3	1.6 - 2.5 amps	NEMA 4X
SX54=3-151	575	3	2.5 - 4.0 amps	NEMA 4X
SX54=3-161	575	3	4.0 - 6.3 amps	NEMA 4X

\* Three phase panels come equipped with thermal overload protection that must be properly sized to the pump's full-load run amps. Multi-tap transformer (208/240/480VAC primary) provides 120V. control voltage. Motor protective switch provides adjustable overload, branch circuit protection and pump disconnect. Please consult factory for proper panel selection.

\*\* SXHC24=3 includes start/run capacitors and start relay for use with LSG202M-C and LSGX202M-C models.

## SWITCH SPECIFICATIONS

All standard simplex panels include 3 pilot-duty float switches for Off, On and Alarm. 20' cord standard. Optional lengths available. External weights or pipe clamp mounts required.

**CABLE:** flexible 18 gauge, 2 conductor

**ELECTRICAL:** 5 amp, 120/230VAC, 50/60Hz

**FLOAT:** High impact PVC

140 degrees F. maximum fluid temperature

**WEIGHT:**

NEMA 1 Panels: 24 lbs. (approx.)

NEMA 4X Panels: 19 lbs. (approx.)

**Liberty can customize a panel to your specific pump needs. Please contact us for available options and ordering information. 800-543-2550**

## SX-SERIES FEATURES

**ENCLOSURE:** 8" x 8" x 4"; NEMA 4X – ultraviolet stabilized thermoplastic for outdoor; NEMA 1 – metal for indoor use. Certain options may increase enclosure size. (Three phase panels measure 12" x 10" x 6".)



Dual safety certification for the United States and Canada.

Specifications subject to change without notice.

**MAGNETIC MOTOR CONTACTOR:** Controls pump by switching hot electrical lines.

**HOA SWITCH:** Offers manual operation of pump (on circuit board).

**GREEN PUMP RUN INDICATOR:** on circuit board.

**FLOAT SWITCH TERMINAL BLOCK:** on circuit board.

**CONTROL AND ALARM FUSES:** on circuit board.

**CONTROL AND ALARM POWER INDICATORS:** on circuit board.

**CIRCUIT BREAKER:** Single phase panels include 20 amp breaker to provide pump disconnect and branch circuit protection. Three Phase breakers sized to application and provide additional overload protection for the pump.

**PUMP INPUT POWER AND PUMP CONNECTION TERMINAL BLOCK**

**GROUND LUG**

**AUXILIARY CONTACTS**

**ALARM PACKAGE:** NEMA 4X = red beacon and horn (83 to 85 db), exterior test/normal/silence switch. NEMA 1 = door mounted red indicator and buzzer mounted internally (83 to 85 db), exterior test/normal/silence switch.

## Check Valves



### Economy Check Valves

**CV2N1 – 1-1/4" and 1-1/2" combo**

**CV150 – 1-1/2"**

**CV200 – 2"**

- ABS valve body
- Rubber slip connect with hose clamps
- Vertical or horizontal installation



### Thread X Barb Fit

**CV150-125T  
1-1/2" MPT x 1-1/4" Barb**

**CV150-150T  
1-1/2" MPT x 1-1/2" Barb**

- PVC construction
- Thread directly into 1-1/2" sump pump discharge



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- 125 PSI rated
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- 1/2 lb. spring. Slight reduction in pump performance will occur.
- Consult factory for potential performance losses.
- Maximum fluid temp. 160° F



### Cast Iron, High-temperature 200°F.

**HCV150 1-1/2"**

**HCV200 2"**

- Heavy-duty cast-iron body
- Full flow
- High-temperature rubber flapper - 200° F
- 125 PSI rated
- Vertical or horizontal installation
- Female NPT connections



### Ball / Check / Union Combination

**BCV150 – 1-1/2"**

**BCV200 – 2"**

- Ball/check combo provides compact design
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- 125 PSI rated
- Vertical or horizontal installation
- Features union for easy disassembly



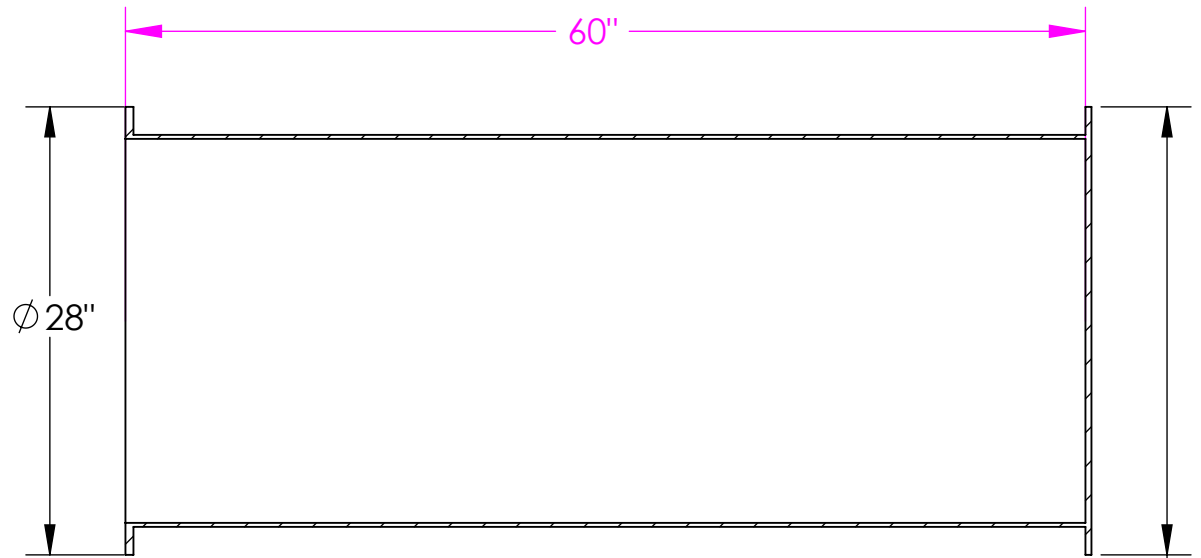
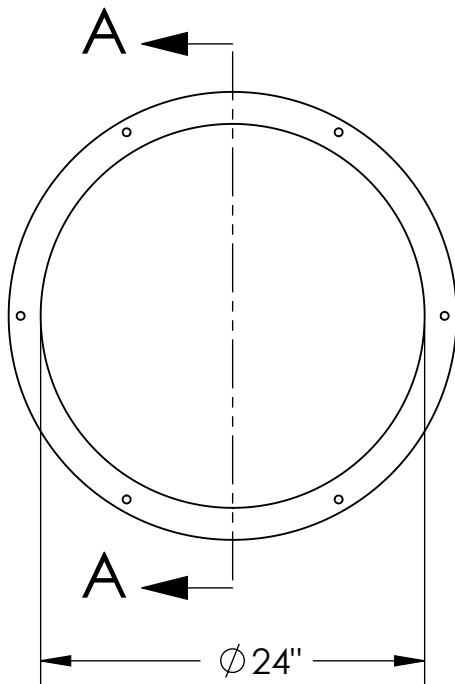
### Heavy-duty Compression Fit

**CV2N1C – 1-1/4" and 1-1/2" combo**

**CV200C – 2"**

**CV300C – 3"**

- Heavy-duty PVC
- 125 PSI rated
- Vertical or horizontal installation
- 140° F maximum fluid temperature



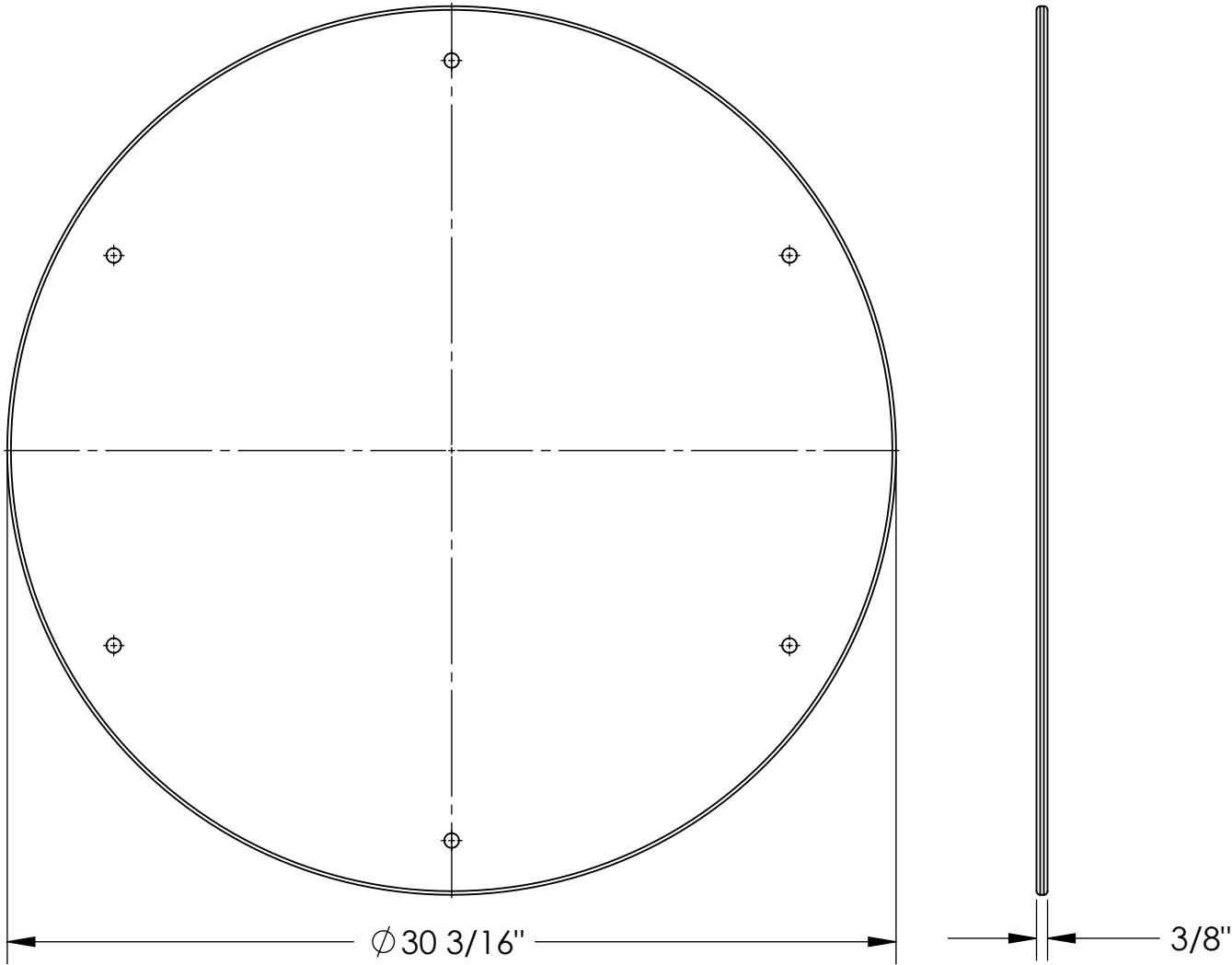
SECTION A-A  
SCALE 1 : 12

ANTI-FLOTATION 28"

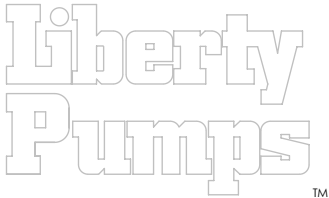
CUSTOM TANK: 24 x 60 FIBERGLASS TANK  
 TYPE OF TANK: BLANK  
 ANTI-FLOTATION FLANGE - YES  
 ANTI-FLOTATION: FIBERGLASS

					7000 APPLE TREE AVENUE BERGEN, N.Y. 14416 (585) 494-1817	drn by    Damon Flick		tol: xx+/- .01"	
								xxx+/- .001"	
						date        3/6/08		angles +/- 2°	
								unless otherwise noted	
						title                    24 x 60 FIBERGLASS TANK			
						part no.                    XT24BX60			
description of change	rev	project	date	initials		drawing no.            XT24BX60		sheet number	sheet size
								of	A

MATERIAL: FIBERGLASS

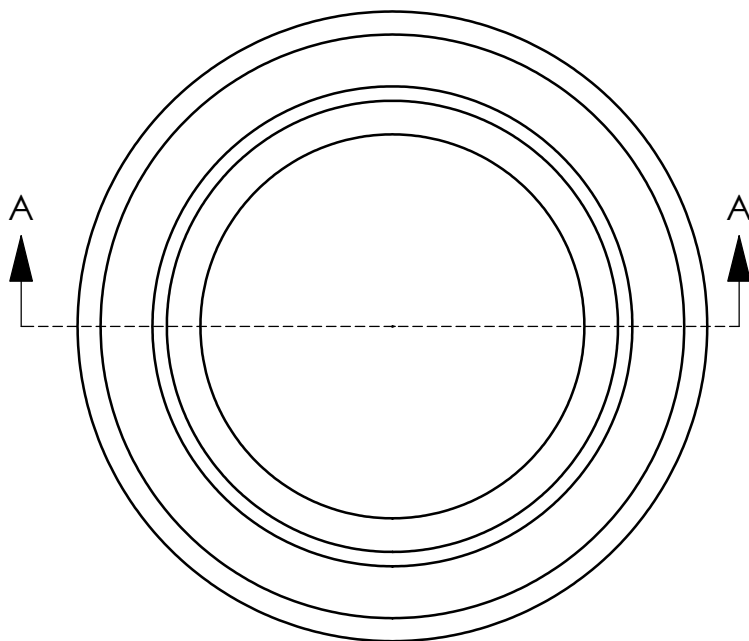
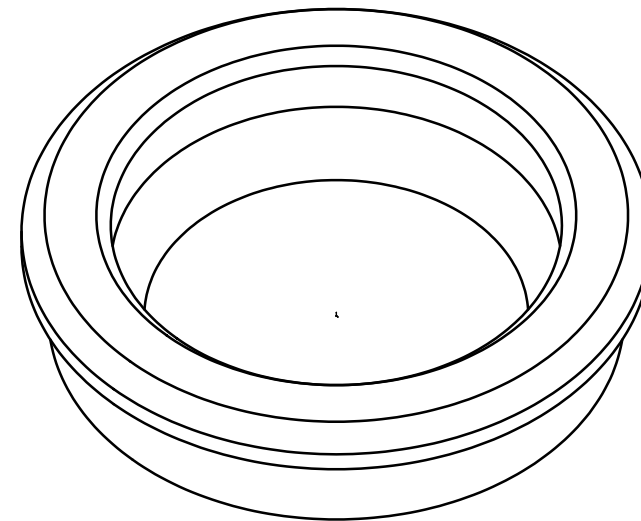
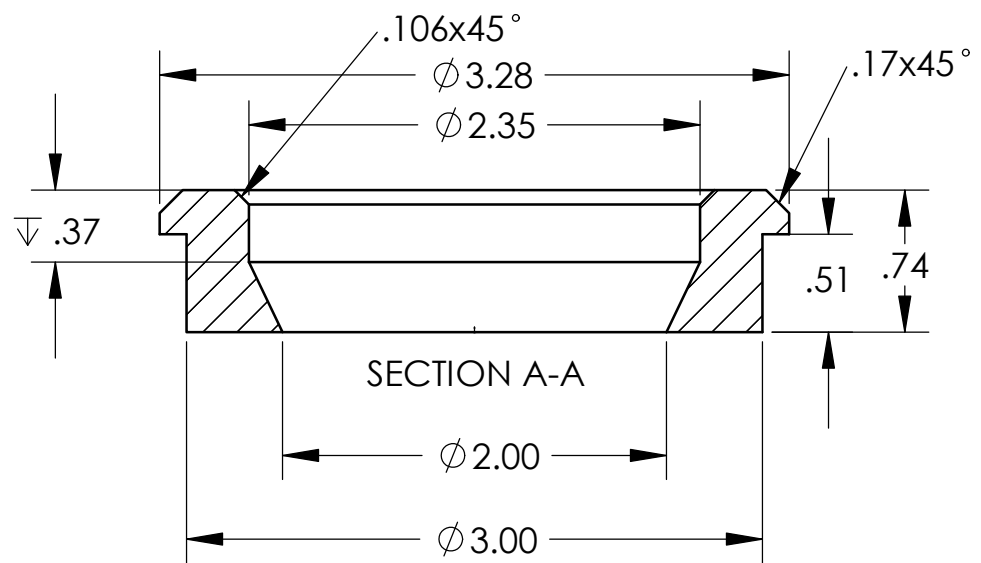


A	36540	5/2007
rev	project	date



7000 APPLE TREE AVENUE  
BERGEN, N.Y. 14416  
(585) 494-1817

drn by	Damon Flick	tol: xx+/- .02"
		xxx+/- .005"
date	5/10/07	angles +/- 2°
scale		unless otherwise noted
title	BLANK FIBERGLASS COVER / 24" TANK	
part no.	4657000	
Drawing no.	4657000A	sht of
		A



MATERIAL: 65 DUROMETER PVC

NOTES:

PURCHASED PART FROM TOPP INDUSTRIES  
VENDOR ID NUMBER G 200

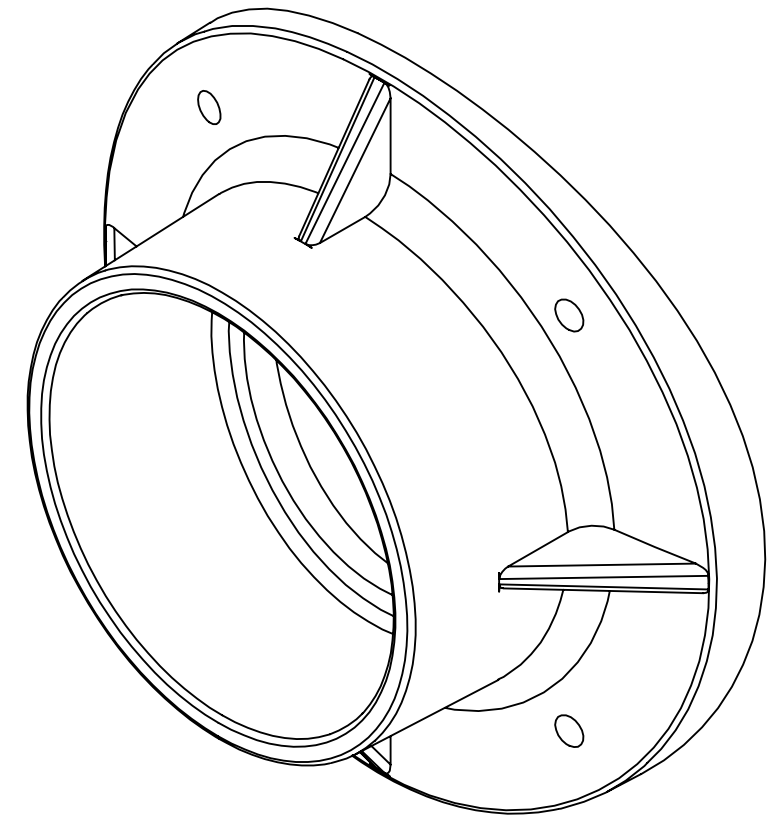
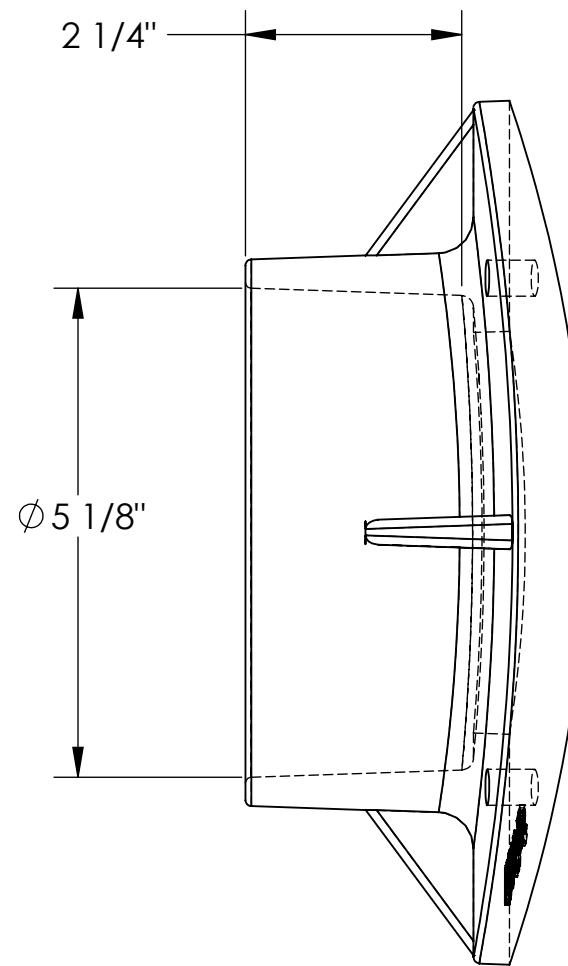
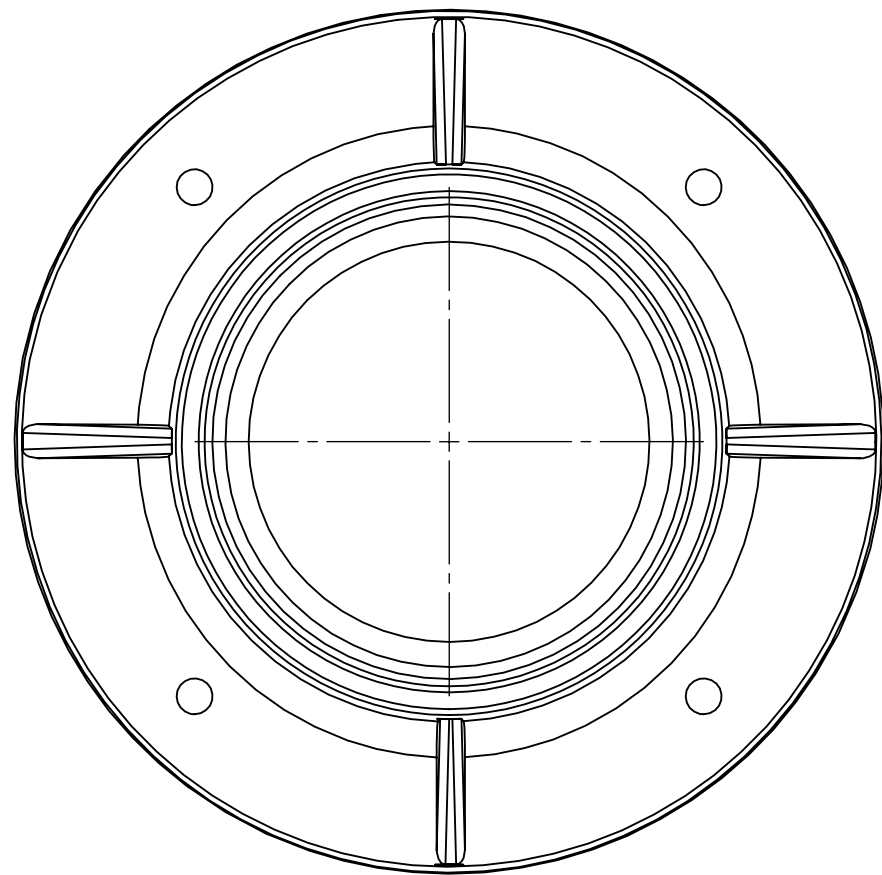
DRILL 3" HOLE

**Liberty  
Pumps**™

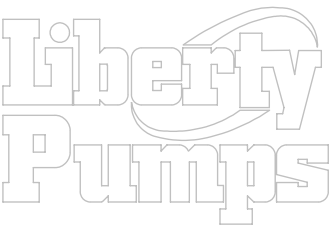
7307 LAKE ROAD  
BERGEN, N.Y. 14416  
(716) 494-1817

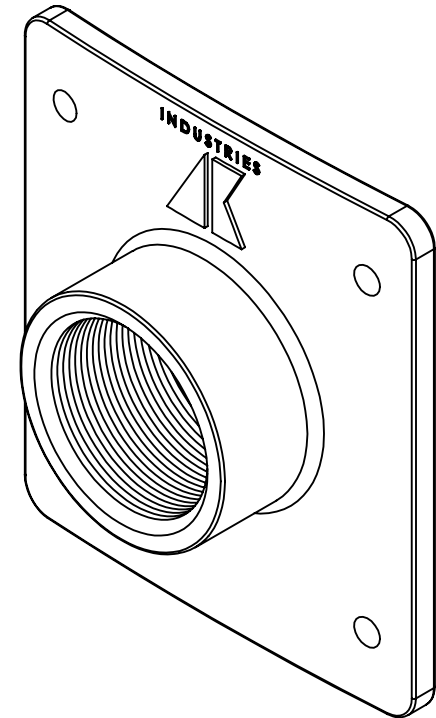
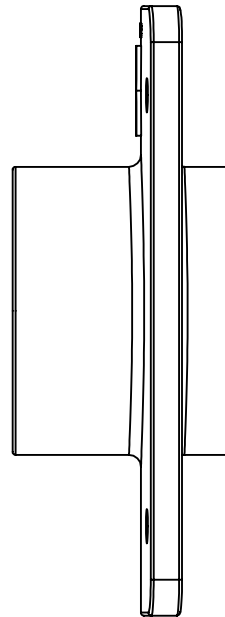
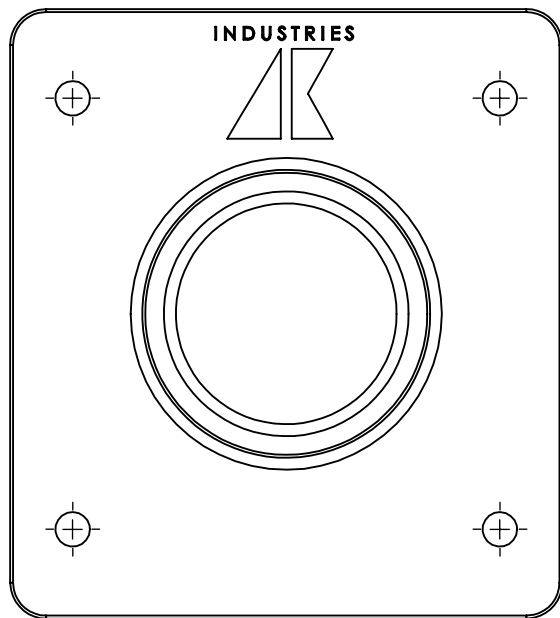
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date	9/25/97	angles +/- 2°
scale	1 : 1	unless otherwise noted
title	PIPE SEAL GROMMET, 2"	
part no.	4762000	
Drawing no.	47620000	sht of 1 1

**B**



4" FIBERGLASS INLET HUB, FITS TANK DIAMETERS 24" THROUGH 36".  
DESIGNED TO ACCEPT A 4" FERNCO STYLE PIPE GROMMET.

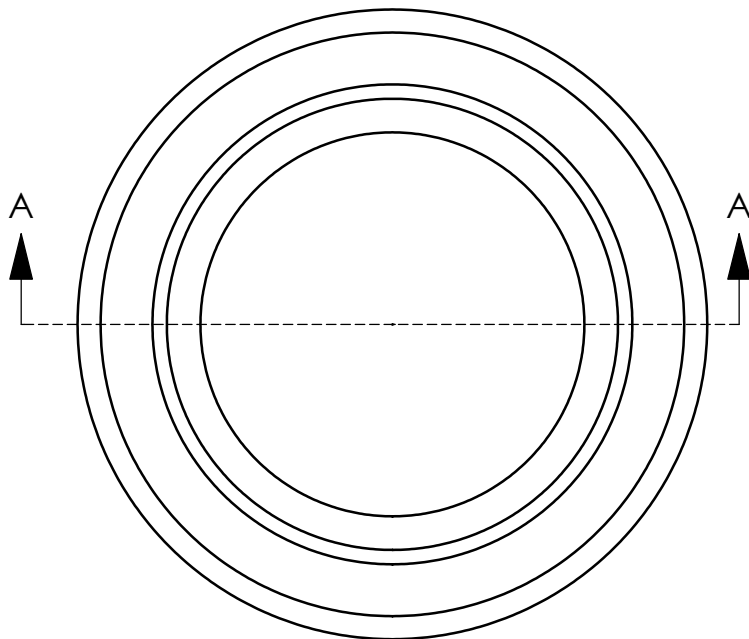
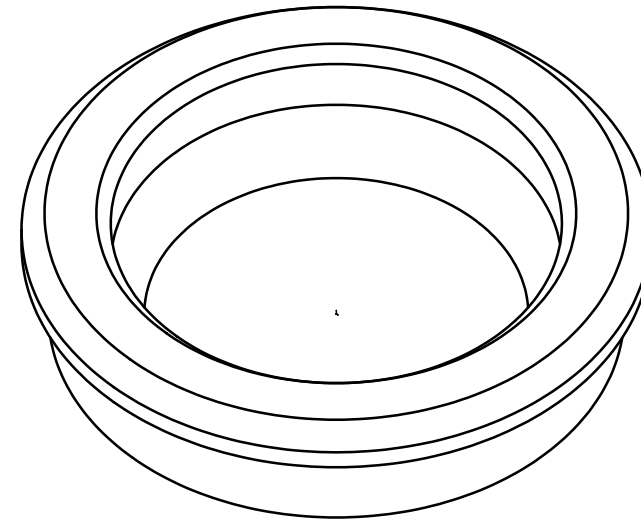
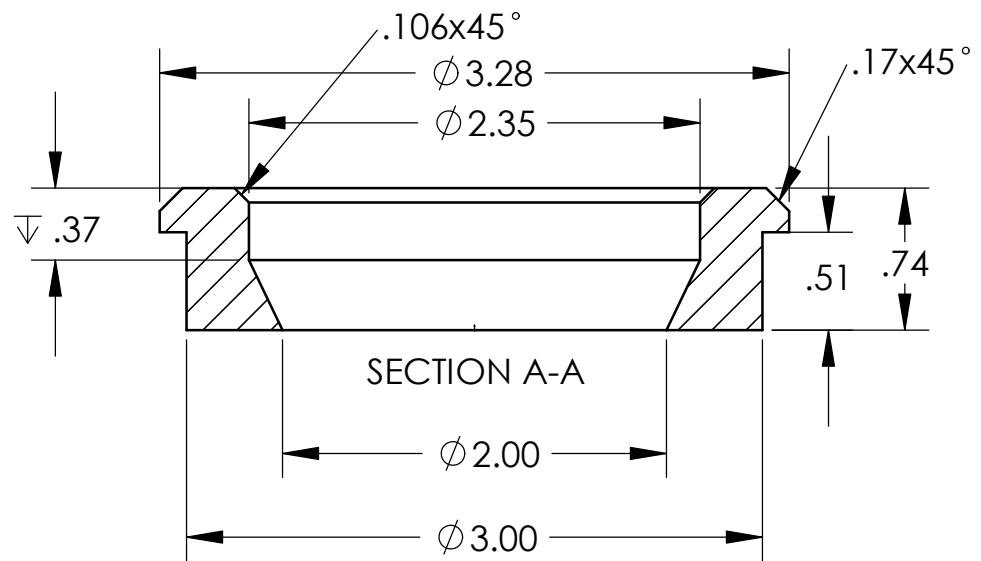
NEW PART	A	NA	9/14/09	DMF	<div></div> <div>7000 APPLE TREE AVENUE BERGEN, N.Y. 14416 (585) 494-1817</div>	dmn by   Damon Flick		tol: xx+/- .02"					
									xxx+/- .005"				
							date   9/14/2009			angles +/- 2°			
							scale			unless otherwise noted			
							title	INLET HUB, FIBERGLASS, 24-36					
description of change	rev	project	date	initials		part no.		4824000					
						drawing no.		4824000A		sheet number		sheet size	
										of		B	



PURCHASED FROM AK INDUSTRIES  
AK PART NUMBER GA-200FCP.

AK SHALL NOT INCLUDE OPTIONAL PARTS BAG  
WHICH INCLUDES 5/16 BOLTS, WASHERS, NUTS,  
AND GASKET TAPE.

NEW PART	A	N/A	1/08	DMF	<div><p>7000 APPLE TREE AVENUE BERGEN, N.Y. 14416 (585) 494-1817</p></div>	drn by <b>Damon Flick</b>		tol: xx+/- .02"	
								xxx+/- .005"	
						date    1/9/08		angles +/- 2°	
								unless otherwise noted	
						title			
description of change	rev	project	date	initials		part no.		4776000	
						drawing no.		sheet number	
						4776000A		of	
								sheet size	
								A	



MATERIAL: 65 DUROMETER PVC

NOTES:

PURCHASED PART FROM TOPP INDUSTRIES  
VENDOR ID NUMBER G 200

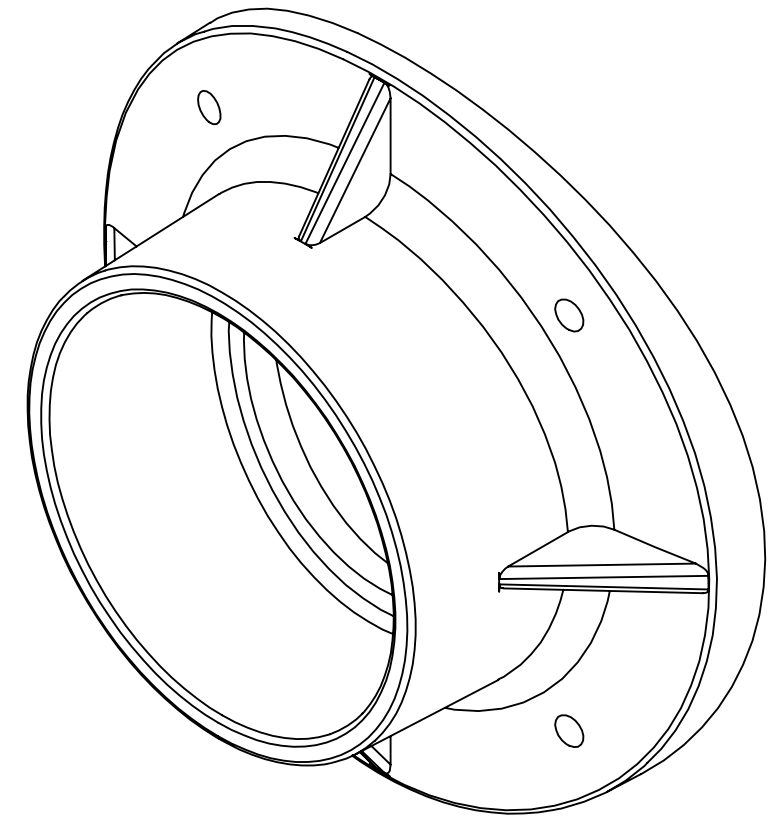
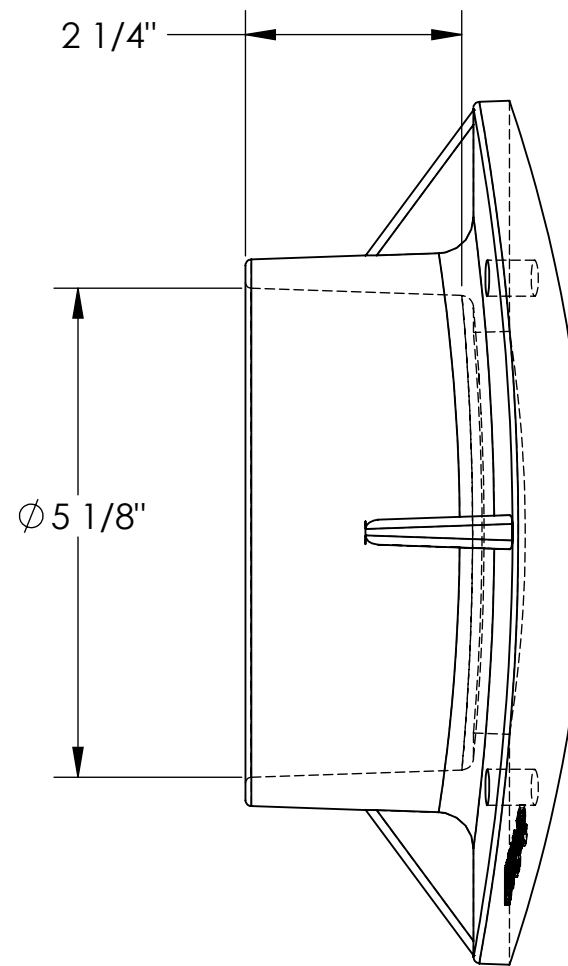
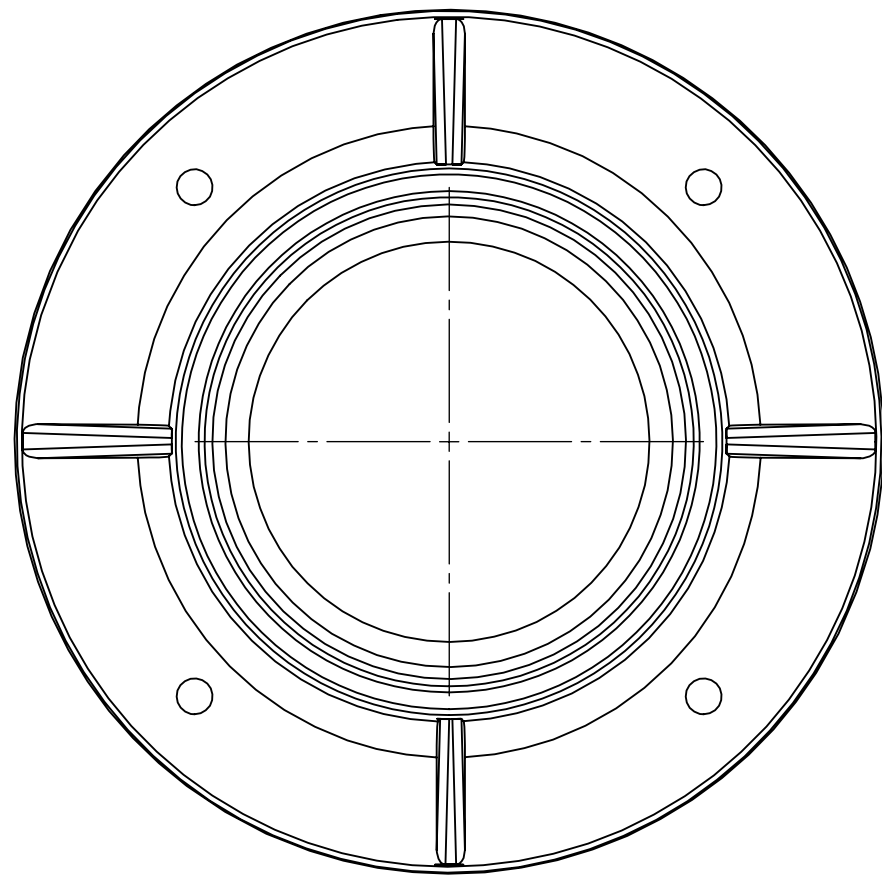
DRILL 3" HOLE

**Liberty  
Pumps**™

7307 LAKE ROAD  
BERGEN, N.Y. 14416  
(716) 494-1817

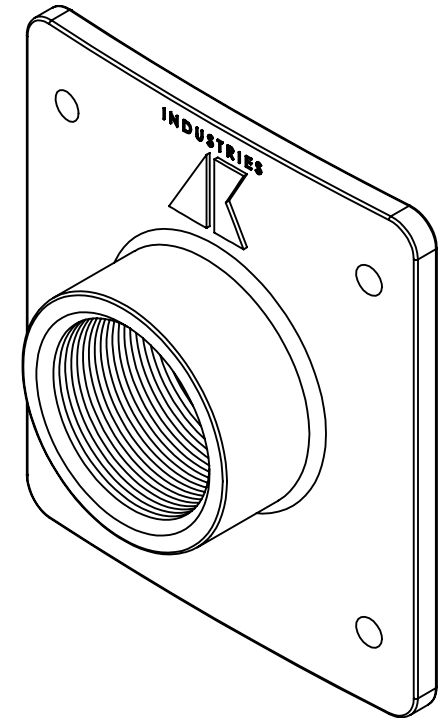
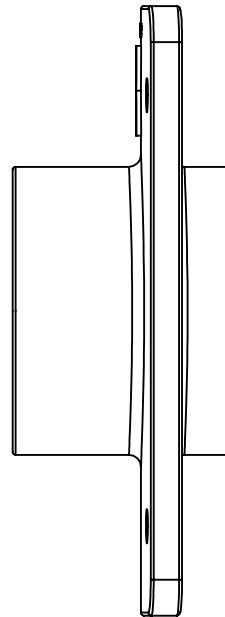
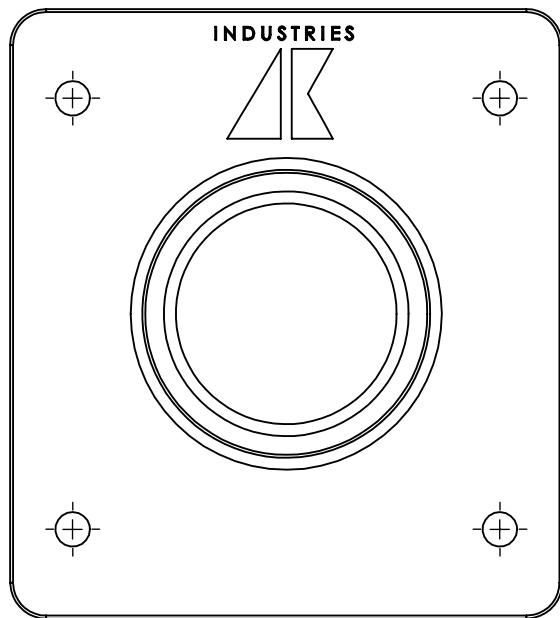
dmn by	MEL	tol: xx+/- .02"
		xxx+/- .005"
date	9/25/97	angles +/- 2°
scale	1 : 1	unless otherwise noted
title	PIPE SEAL GROMMET, 2"	
part no.	4762000	
Drawing no.	47620000	sht of 1 1

**B**



4" FIBERGLASS INLET HUB, FITS TANK DIAMETERS 24" THROUGH 36".  
DESIGNED TO ACCEPT A 4" FERNCO STYLE PIPE GROMMET.

NEW PART	A	NA	9/14/09	DMF	<div><div><div>Liberty Pumps</div></div><div>7000 APPLE TREE AVENUE BERGEN, N.Y. 14416 (585) 494-1817</div></div>	dm by    Damon Flick		tol: xx+/- .02"			
								xxx+/- .005"			
						date    9/14/2009		angles +/- 2°			
						scale		unless otherwise noted			
						title				INLET HUB, FIBERGLASS, 24-36	
description of change	rev	project	date	initials		part no.		4824000			
						drawing no.		sheet number		sheet size	
						4824000A		of		B	



PURCHASED FROM AK INDUSTRIES  
AK PART NUMBER GA-200FCP.

AK SHALL NOT INCLUDE OPTIONAL PARTS BAG  
WHICH INCLUDES 5/16 BOLTS, WASHERS, NUTS,  
AND GASKET TAPE.

NEW PART	A	N/A	1/08	DMF	<div><p>7000 APPLE TREE AVENUE BERGEN, N.Y. 14416 (585) 494-1817</p></div>	drn by <b>Damon Flick</b>		tol: xx+/- .02"	
								xxx+/- .005"	
						date    1/9/08		angles +/- 2°	
								unless otherwise noted	
						title			
part no.						4776000			
drawing no.						4776000A		sheet number	sheet size
								of	A
description of change						rev		project	
date						initials			

# Liberty Pumps®

## SX-Series

### Simplex Pump Controls

*For reliable control of a single pump in residential or commercial installations. Common applications include sump basins, effluent or sewage pump chambers and lift stations.*

#### Standard Features:

- Across-the-line magnetic contactor
  - Test/Auto switch
- Terminal block for easy wiring
  - Circuit breaker
- Green pump run indicator light (internal)
- Red alarm indicator light/audible alarm
  - Auxiliary Contacts
- Alarm silence and test switches
- Tri 120/208/240V. operation on single phase
- Tri 208/240/480V. operation on three phase

All SX-series panels are shipped complete with floats. Standard cord length is 20 feet.



#### Other Available Options:

- Alarm bell
- Redundant off
- Cycle counter
- Dead front
- Main disconnect
- Flasher
- Manual alarm reset
- Power on light
- Lockable latch
- Overload protection
- Alternate beacon color
- High and low level indicators
- Seal fail indicator
- Anti-condensation heater
- Pilot breaker
- Overload reset, thru-door
- Beacon guard
- Thermal cutout
- Elapsed time meter
- Delay timer
- Lightning arrestor
- GFI convenience receptacle
- Start/Run Capacitors

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# SX-SERIES SIMPLEX PUMP CONTROLS

## MODEL SPECIFICATIONS

MODEL	VOLTS	PHASE	FULL LOAD AMPS (Must match pump)	ENCLOSURE
<b>Single Phase</b>				
SXL21=3	120/208/240	1	0 - 14.9 amps	NEMA 1
SXL24=3	120/208/240	1	0 - 14.9 amps	NEMA 4X
SXH21=3	120/208/240	1	15 - 20 amps	NEMA 1
SXH24=3	120/208/240	1	15 - 20 amps	NEMA 4X
**SXHC24=3	120/208/240	1	15 - 20 amps	NEMA 4X
<b>Three Phase*</b>				
SX34=3-131	208/240/480	3	1.6 - 2.5 amps	NEMA 4X
SX34=3-141	208/240/480	3	2.5 - 4.0 amps	NEMA 4X
SX34=3-171	208/240/480	3	4.0 - 6.3 amps	NEMA 4X
SX34=3-191	208/240/480	3	6 - 10 amps	NEMA 4X
SX34=3-511	208/240/480	3	9.0 - 14 amps	NEMA 4X
SX54=3-121	575	3	1.6 - 2.5 amps	NEMA 4X
SX54=3-151	575	3	2.5 - 4.0 amps	NEMA 4X
SX54=3-161	575	3	4.0 - 6.3 amps	NEMA 4X

\* Three phase panels come equipped with thermal overload protection that must be properly sized to the pump's full-load run amps. Multi-tap transformer (208/240/480VAC primary) provides 120V. control voltage. Motor protective switch provides adjustable overload, branch circuit protection and pump disconnect. Please consult factory for proper panel selection.

\*\* SXHC24=3 includes start/run capacitors and start relay for use with LSG202M-C and LSGX202M-C models.

## SWITCH SPECIFICATIONS

All standard simplex panels include 3 pilot-duty float switches for Off, On and Alarm. 20' cord standard. Optional lengths available. External weights or pipe clamp mounts required.

**CABLE:** flexible 18 gauge, 2 conductor

**ELECTRICAL:** 5 amp, 120/230VAC, 50/60Hz

**FLOAT:** High impact PVC

140 degrees F. maximum fluid temperature

**WEIGHT:**

NEMA 1 Panels: 24 lbs. (approx.)

NEMA 4X Panels: 19 lbs. (approx.)

**Liberty can customize a panel to your specific pump needs. Please contact us for available options and ordering information. 800-543-2550**

## SX-SERIES FEATURES

**ENCLOSURE:** 8" x 8" x 4"; NEMA 4X – ultraviolet stabilized thermoplastic for outdoor; NEMA 1 – metal for indoor use. Certain options may increase enclosure size. (Three phase panels measure 12" x 10" x 6".)



Dual safety certification for the United States and Canada.

Specifications subject to change without notice.

**MAGNETIC MOTOR CONTACTOR:** Controls pump by switching hot electrical lines.

**HOA SWITCH:** Offers manual operation of pump (on circuit board).

**GREEN PUMP RUN INDICATOR:** on circuit board.

**FLOAT SWITCH TERMINAL BLOCK:** on circuit board.

**CONTROL AND ALARM FUSES:** on circuit board.

**CONTROL AND ALARM POWER INDICATORS:** on circuit board.

**CIRCUIT BREAKER:** Single phase panels include 20 amp breaker to provide pump disconnect and branch circuit protection. Three Phase breakers sized to application and provide additional overload protection for the pump.

**PUMP INPUT POWER AND PUMP CONNECTION TERMINAL BLOCK**

**GROUND LUG**

**AUXILIARY CONTACTS**

**ALARM PACKAGE:** NEMA 4X = red beacon and horn (83 to 85 db), exterior test/normal/silence switch. NEMA 1 = door mounted red indicator and buzzer mounted internally (83 to 85 db), exterior test/normal/silence switch.

# Liberty Pumps®

## LE50-Series

### Sewage Pumps

**1/2 hp  
2" Solids-Handling**

**112 GPM at 10' TDH  
25' Maximum Head**

#### Features:

- Heavy cast iron construction
- Oil filled, thermally protected motor
- Permanently lubricated bearings
  - 2-vane, corrosion resistant  
\*HYTREL® impeller
- All stainless steel fasteners and rotor shaft
- Quick-disconnect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor. (25' length optional)

\*HYTREL® is a registered trademark of DuPont Polymers



#### Models:

**LE51M 115V, 12a, Manual**

**LE51A 115V, 12a, Automatic**

**LE52M 208-230V, 6.8a, Manual**

**LE52A 208-230V, 6.8a, Automatic**

Automatic models feature a mercury-free wide-angle float with series plug—allows for manual operation of pump separate from switch.

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# LE50-SERIES

## TECHNICAL SPECIFICATIONS

### PUMP

The pump(s) shall be model \_\_\_\_\_ as manufactured by Liberty Pumps, Bergen, NY, or equal.

The pump(s) shall have a capacity of \_\_\_\_ GPM at a total dynamic head of \_\_\_\_ feet.

Motor size shall be 1/2 horsepower, single phase, 60 hz. and \_\_\_\_ volt operation.

### MOTOR

The pump motor shall be of the submersible type, oil filled, hermetically sealed and shall be thermally protected. The overload element shall automatically reset when motor cools. Motor windings shall be of the class B insulation rating. The rotor shaft shall be made of 416 stainless steel and shall be supported by lower and upper ball bearings.

The power cord shall be of the quick-disconnect design allowing replacement of the cord without breaking seals to the motor and/or oil chamber.

### IMPELLER

The pump shall have a 2-vane semi-open impeller capable of passing a 2" spherical solid.

### SEAL

The shaft seal shall be of the carbon/ceramic unitized design, with BUNA N elastomers and stainless housings.

### EXTERNAL CONSTRUCTION

The pump volute, legs and motor housing shall be gray iron castings, class 25 or better. All fasteners shall be of 300-series stainless steel or brass. All castings shall be epoxy powder coated before assembly.

### LEVEL CONTROL

Automatic units shall be controlled by an adjustable, mercury-free, wide angle float switch. Float cord shall be equipped with a series plug for manual bypass operation.

MODELS	HP	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC	IMPELLER
LE51M	1/2	115	1	12	2" FNPT	NO	2-VANE SEMI-OPEN
LE51A	1/2	115	1	12	2" FNPT	YES	2-VANE SEMI-OPEN
LE52M	1/2	208-230	1	6.8	2" FNPT	NO	2-VANE SEMI-OPEN
LE52A	1/2	208-230	1	6.8	2" FNPT	YES	2-VANE SEMI OPEN

10' cord standard on above models. For 25' cord options, add a "-2" suffix to model number.  
Example: LE51A-2 for Model LE51A with 25' cord.

### DIMENSIONAL DATA:

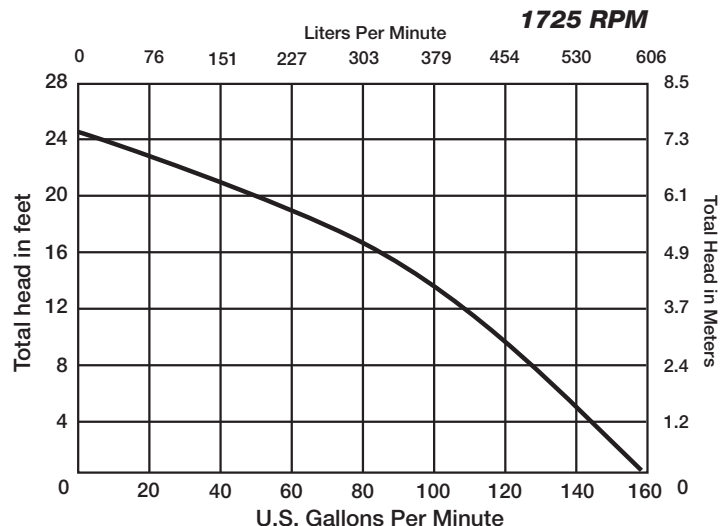
Weight: LE51M: 42 LBS.

Height: 14"

Major Width: 11.5" (manual models)

Maximum fluid temperature 140° F.

### PERFORMANCE CURVE 60 hz

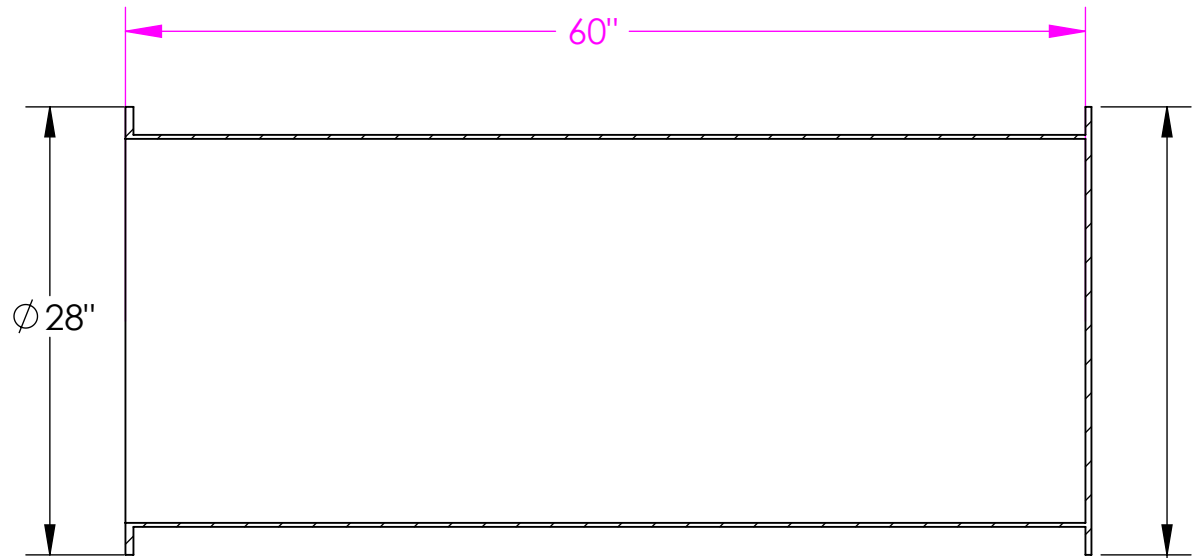
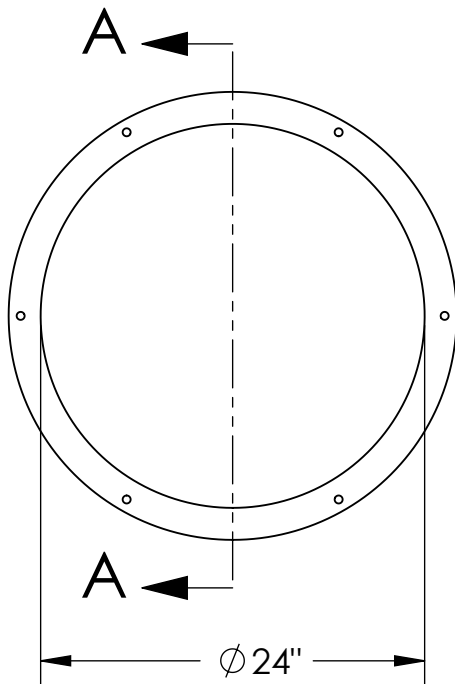


Specifications subject to change without notice.

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

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

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SECTION A-A  
SCALE 1 : 12

ANTI-FLOTATION 28"

CUSTOM TANK: 24 x 60 FIBERGLASS TANK  
TYPE OF TANK: BLANK  
ANTI-FLOTATION FLANGE - YES  
ANTI-FLOTATION: FIBERGLASS

					7000 APPLE TREE AVENUE BERGEN, N.Y. 14416 (585) 494-1817	drn by    Damon Flick		tol: xx+/- .01"					
								xxx+/- .001"					
						date        3/6/08		angles +/- 2°					
								unless otherwise noted					
						title                    24 x 60 FIBERGLASS TANK							
						part no.                    XT24BX60							
						drawing no.            XT24BX60		sheet number	sheet size				
								of	A				
description of change						rev		project		date		initials	

Elevator Sump Pump

# Liberty Pumps®

## LE50-Series

### Sewage Pumps

**1/2 hp  
2" Solids-Handling**

**112 GPM at 10' TDH  
25' Maximum Head**

#### Features:

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- Permanently lubricated bearings
  - 2-vane, corrosion resistant  
\*HYTREL® impeller
- All stainless steel fasteners and rotor shaft
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**LE52M 208-230V, 6.8a, Manual**

**LE52A 208-230V, 6.8a, Automatic**

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# LE50-SERIES

## TECHNICAL SPECIFICATIONS

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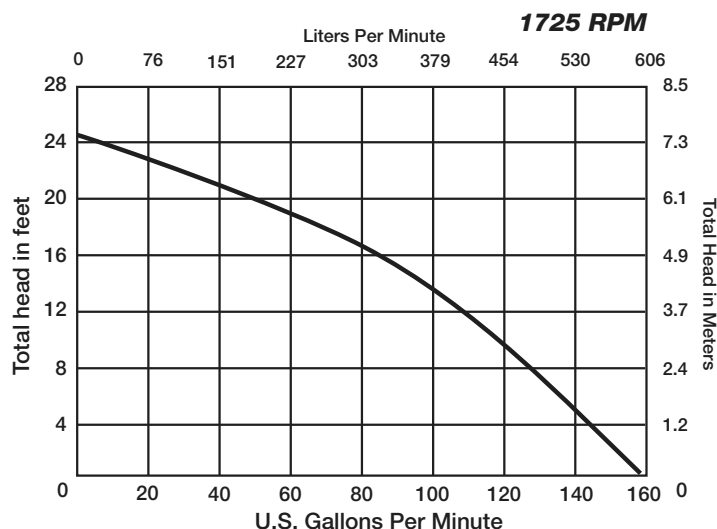
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