

*Quality People. Building Solutions.*

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

**Date:** 3/13/2024

**Return Request:** 3/23/2024

**Project:** Stone Bank HQ - Chenal

**Supplier:** Sanders Supply

**Manufacturer:** Various

**Submittal:** Plumbing Fixtures

**Submittal Number:** 22 00 00-01

**Drawing # and Installation:** Plumbing Drawings

**ARCHITECT**

WDD Architects  
5050 Northshore Lane  
N. Little Rock, AR 72118  
501-376-6681

**ENGINEER**

Batson Inc.  
1300 Brookwood Dr.  
Little Rock, AR 72202  
501-664-3311

**GENERAL CONTRACTOR**

East Harding  
2230 Cottondale Lane #3  
Little Rock, AR 72202  
501-661-1646

**MECHANICAL SUBCONTRACTOR**

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

Notes:

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[dpierce@comfortar.com](mailto:dpierce@comfortar.com)

9924 Landers Rd.  
No. Little Rock, AR 72117

P-1

# INSTALLATION INSTRUCTIONS

*American Standard*

## MADERA 16-1/2" HEIGHT FLUSH VALVE FLOOR MOUNTED TOILETS

**Model 3461, 3462, 3463, 3464, 3465, 3466**



Meets the American Disabilities Act Guidelines and ANSI A117.1 Requirements for the Physically Challenged

Thank you for selecting American Standard – the benchmark of fine quality for over 100 years. To ensure this product is installed properly, please read these instructions carefully before you begin. (Certain installations may require professional help.) Also be sure your installation conforms to local codes.

**▲ CAUTION: PRODUCT IS FRAGILE. TWO PEOPLE ARE RECOMMENDED FOR HANDLING TO AVOID BREAKAGE AND POSSIBLE INJURY!**

NOTE: For proper operation product requires a minimum of 30 psi working line pressure

### RECOMMENDED TOOLS AND MATERIALS

Putty Knife

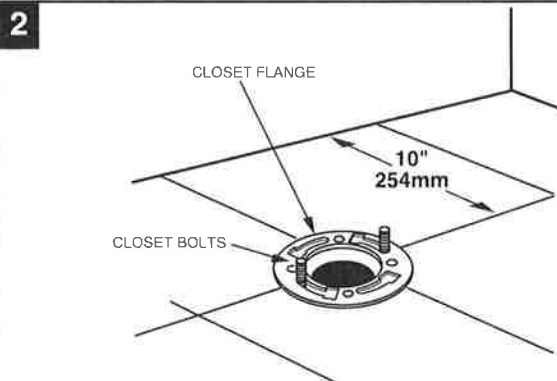
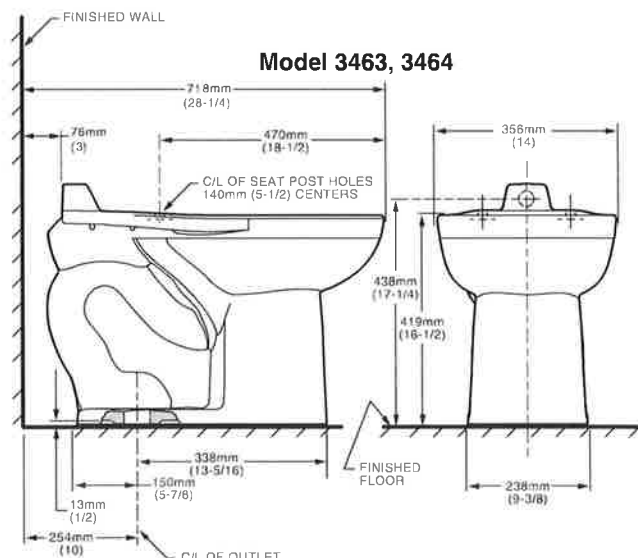
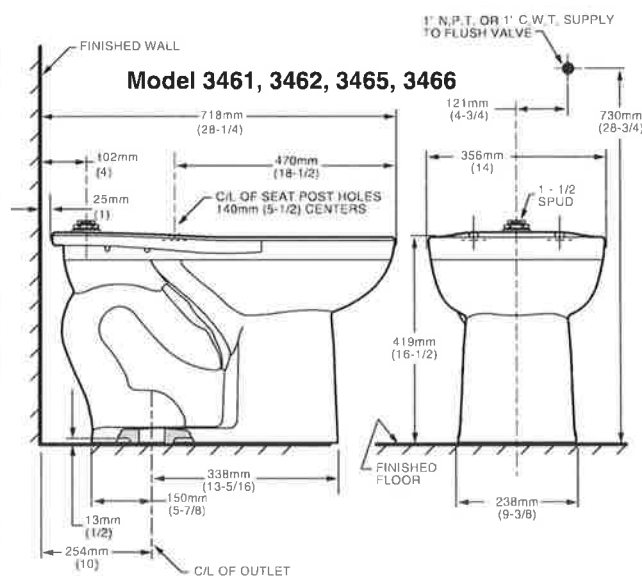
Regular Screwdriver  
Adjustable Wrench

Sealant  
Tape Measure

Carpenters Level  
Flush Valve

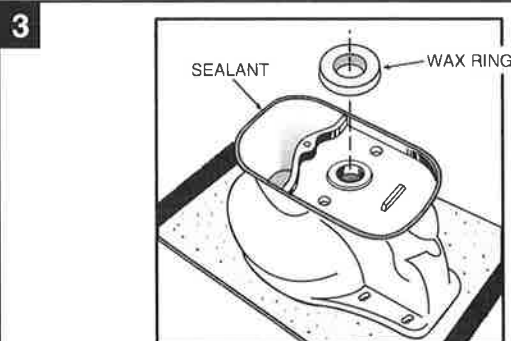
USE  
FOR  
FUTURE  
SAVE

#### 1 Pictures may not exactly define contour of china



#### INSTALL CLOSET BOLTS

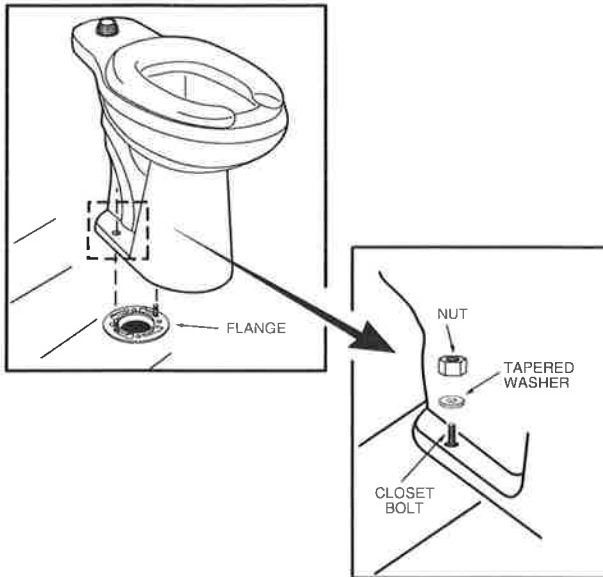
Install closet bolts in flange channel, turn 90°, and slide into place 6" (152 mm) apart and parallel to wall.



#### INSTALL WAX SEAL

Invert toilet on floor (cushion to prevent damage), and install wax ring evenly around waste flange (horn), with tapered end of ring facing toilet. Apply a thin bead of sealant around toilet base.

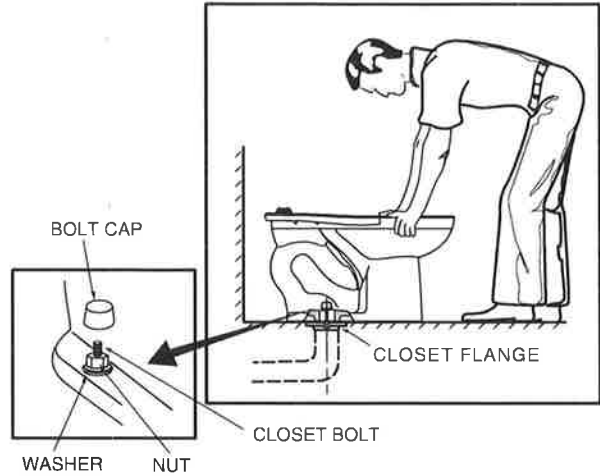
4



#### POSITION TOILET ON FLANGE

- Unplug floor waste opening and install toilet on closet flange so bolts project through mounting holes.
- Loosely install retainer washers and nuts. Side of washers marked "THIS SIDE UP" must face up!

5



#### INSTALL TOILET

- Position toilet squarely to wall and, with a rocking motion, press bowl down fully on wax ring and flange. Alternately tighten nuts until toilet is firmly seated on floor.



**CAUTION:**  
DO NOT OVERTIGHTEN NUTS  
OR BASE MAY BE DAMAGED!

- Install caps on washers. (If necessary, cut bolt height to size before installing caps.)
- Smooth off the bead of sealant around base. Remove excess sealant.

### AMERICAN-STANDARD ONE-YEAR LIMITED WARRANTY

If inspection of this American-Standard plumbing product, within one year after its initial installation, confirms that it is defective in materials or workmanship, American-Standard will repair or, at its option, exchange the product for a similar model.

This warranty **does not apply** to local building code compliance. Since local building codes vary considerably, the purchaser of this product should check with a local building or plumbing contractor to insure local code compliance before installation.

This warranty **shall be void** if the product has been moved from its initial place of installation; if it has been subjected to faulty maintenance, abuse, misuse, accident or other damage; if it was not installed in accordance with American-Standard's instructions; or if it has been modified in a manner inconsistent with the product as shipped by American-Standard.

American-Standard's option to repair or exchange the product under this warranty does not cover any labor or other costs of removal or installation, **nor shall American-Standard be responsible for any other incidental or consequential damages attributable to a product defect or to the repair or exchange of a defective product, all of which are expressly excluded from this warranty.** (Some states or provinces do not allow the exclusion or limitation of implied warranties, so this exclusion may not apply to you.)

This warranty gives you specific legal rights. You may have other statutory rights that vary from state to state or from province to province, in which case this warranty does not affect such statutory rights.

For service under this warranty, it is suggested that a claim be made through the contractor or dealer from or through whom the product was purchased, or that a service request (including a description of the product model and of the defect) be sent to the following address:

#### In the United States:

American Standard Inc.  
P.O. Box 6820  
Piscataway, New Jersey 08855  
Attention: Director of Consumer Affairs

For residents of the United States, warranty information may also be obtained by calling the following toll free number: (800) 442-1902  
[www.americanstandard-us.com](http://www.americanstandard-us.com)

#### In Canada:

American-Standard  
2480 Stanfield Road  
Mississauga, Ontario  
Canada L4Y 1S2

Toll Free: (800) 387-0369  
[www.americanstandard.ca](http://www.americanstandard.ca)

#### In Mexico:

Customer Service Manager  
Ideal Standard, S.A. de C.V.  
Via Morelos #330  
Col. Santa Clara  
Ecatepec 55540 Edo. Mexico  
[www.americanstandard.com.mx](http://www.americanstandard.com.mx)





# AquaVantage®

## Z6000AV Series

### AquaVantage Exposed Flushometer

## Installation, Operation, Maintenance and Parts Manual



**Z6000AV**



**Z6003AV**



### AquaVantage Exposed Closet/Urinal Systems

Z6000AV	Z6010AV
Z6000AV-HET	Z6014AV
Z6001AV	Z6017AV
Z6003AV	Z6096AV
Z6003AV-ULF	Z6099AV

**NOTICE: READ ENTIRE MANUAL PRIOR TO INSTALLING PRODUCT.**

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**⚠ ADVERTENCIA:** Cáncer y daño reproductivo - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**⚠ AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### LIMITED WARRANTY

All goods sold hereunder are warranted to be free from defects in material and factory workmanship for a period of three years from the date of purchase. Decorative finishes warranted for one year. We will replace at no costs goods that prove defective provided we are notified in writing of such defect and the goods are returned to us prepaid at Sanford, NC, with evidence that they have been properly maintained and used in accordance with instructions. We shall not be responsible for any labor charges or any loss, injury or damages whatsoever, including incidental or consequential damages. The sole and exclusive remedy shall be limited to the replacement of the defective goods. Before installation and use, the purchaser shall determine the suitability of the product for his intended use and the purchaser assume all risk and liability whatever in connection therewith. Where permitted by law, the implied warranty of merchantability is expressly excluded. If the products sold hereunder are "consumer products," the implied warranty of merchantability is limited to a period of three years and shall be limited solely to the replacement of the defective goods. All weights stated in our catalogs and listed are approximate and are not guaranteed.

**NOTE:** The information in this manual is subject to change at any time without notice. Installations may be performed at different times of construction by different individuals. For this reason, these instructions should be left on-site with the facility or maintenance manager.

# AquaVantage® Rough-In, Product Specification, Models and Options

**ENGINEERING SPECIFICATION: ZURN AquaVantage® 'AV' Exposed Closet Flush Valve** – Exposed, quiet diaphragm type, chrome-plated flushometer valve with a polished exterior. Complete with Zurn's AquaVantage TPE, chloramine resistant, dual seal diaphragm with a clog resistant, triple filtered by-pass. The valve is ADA compliant with a non-hold-open and no-leak handle feature, high back pressure vacuum breaker, one-piece hex coupling nut, adjustable tailpiece, spud coupling, and flange for spud connection. Control stop has internal siphon-guard protection, vandal-resistant stop cap, sweat solder kit, and a cast wall flange with setscrew. Internal seals are made of chloramine resistant materials.

## MODELS

Z6000AV – 1-1/2" Water Closet Valve with top spud connection.

Z6010AV – 1-1/2" Water Closet Valve with back spud connection.

Z6001AV – 1-1/4" Urinal Valve with top spud connection.

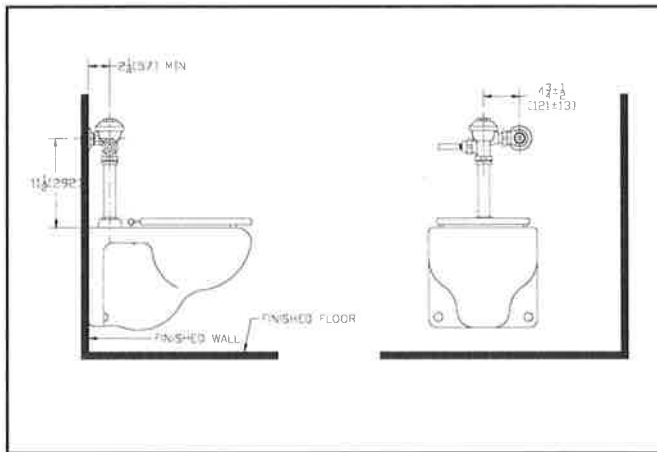
Z6003AV – 3/4" Urinal Valve with top spud connection.

## FLOWS

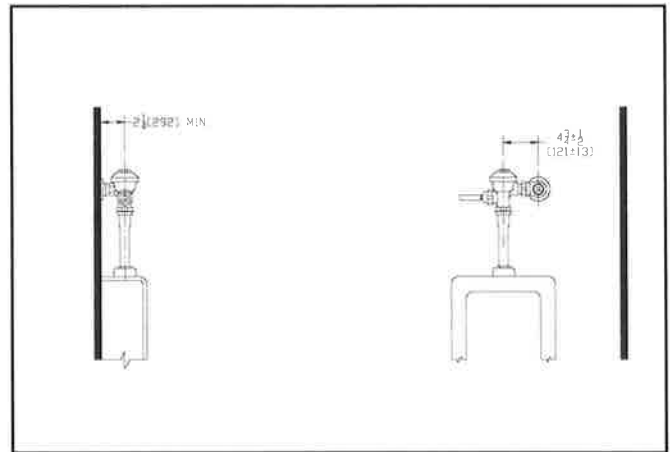
-FF	Full Flow 3.0 Gal. for Urinal, 4.5 Gal. for Water Closet
-HET	High Efficiency Toilet 1.28 Gal. for Water Closet
-WS1	Low Consumption 1.0 Gal. for Urinal, 1.6 Gal. for Water Closet
-ULF	Ultra Low Flow 0.125 Gal. for Urinal

## OPTIONS

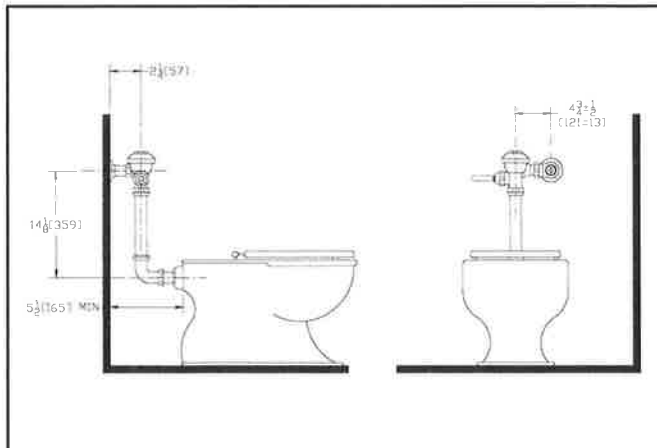
—-BG	BioCare Handle
—-H	Handle on Front of Flush Valve
—-L	1" [25] Metal Push Button
—-L3	3" [76] Metal Push Button
—-YJ	Split Ring Pipe Support
—-YK	Solid Ring Pipe Support
—-YO	Bumper on Stop Angle
—-1	16" Rough-In
—-2	24" Rough-In
—	Other



Models: Z6000AV, Z6000AV-1, Z6000AV-2, Z6000AV-3,  
-HET (High Efficiency) 1.28 Gal.  
-WS1 (Water Saver) 1.6 Gal. Low Consumption



Models: Z6001AV (1-1/4" urinal flush valve)  
Z6003AV (3/4" urinal flush valve)  
-WS1 (Water Saver) 1.0 Gal. Low Consumption  
-ULF (Ultra Low Flow) 0.125 Gal.



Models: Z6010AV, Z6010AV-1, Z6010AV-2,  
-HET (High Efficiency) 1.28 Gal.  
-WS1 (Water Saver) 1.6 Gal. Low Consumption

# Sweat Solder Adaptor Installation Instructions

## Important:

- All plumbing is to be installed according to state and local codes and regulations.
- Water supply lines need to allow proper water flow for each fixture.
- Flush all lines of any **debris** before making connections.
- Do not use pipe sealant or plumbing grease on any fitting other than the control stop inlet.

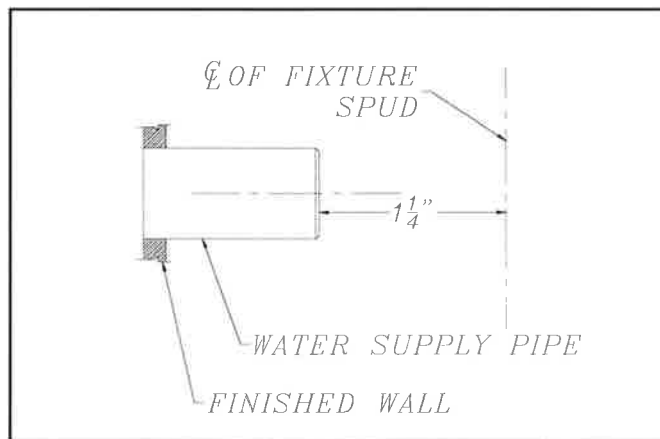
The Aquafush valve is designed to operate under various water pressures with a recommended range between 10 and 100 psi (69 to 689 kPa). Each Zurn valve is tested for proper performance at the factory before being shipped. Consult the product pages of the catalog for available flow options.

Most low consumption fixtures (1.28 and 1.6 gallon) require a minimum of 25 psi running pressure through the valve to obtain proper evacuation. Please be sure to consult fixture manufacturer on minimum running water supply requirements for proper evacuation.

When installing your quality Zurn valve it is recommended that to protect the polished finish you do not use a toothed wrench. This will cause gouges and scratches on your valve.

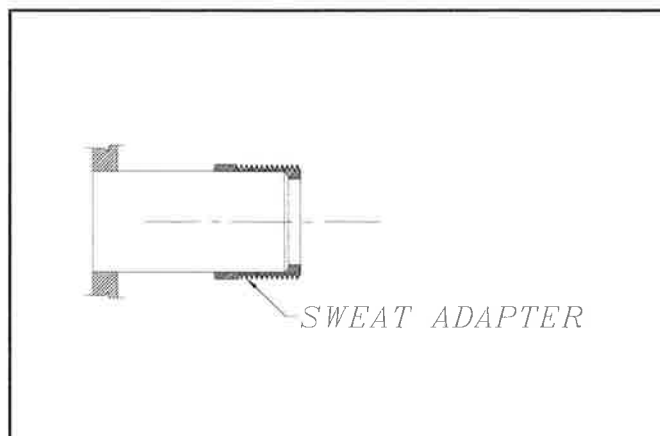
## STEP NO. 1

Measure distance from finished wall to center line of fixture spud; cut water supply pipe  $1\frac{1}{4}$ " shorter than this measurement. Chamfer O.D. and I.D.



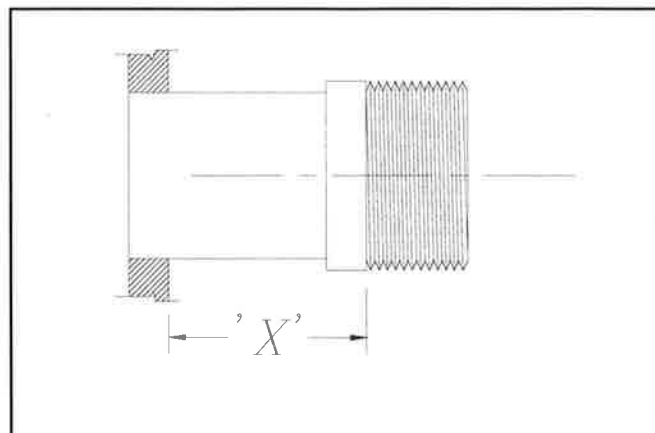
## STEP NO. 2

Slide threaded adaptor onto supply pipe until shoulder stops on end of pipe. Then sweat-solder the adaptor to water supply pipe.



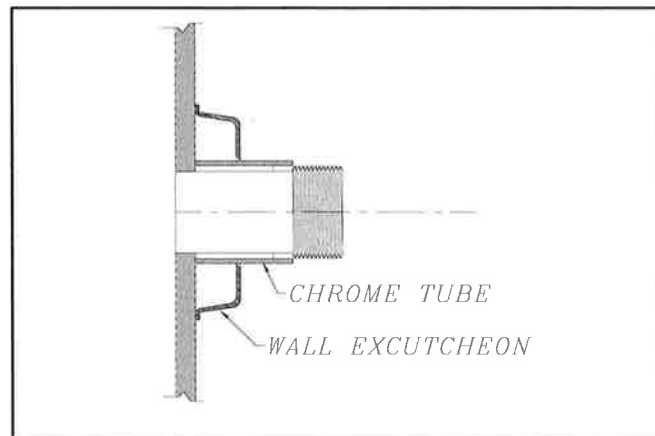
## STEP NO. 3

Measure from finished wall to first thread of adaptor for length of chrome tube. Cut chrome tube this length 'x'.



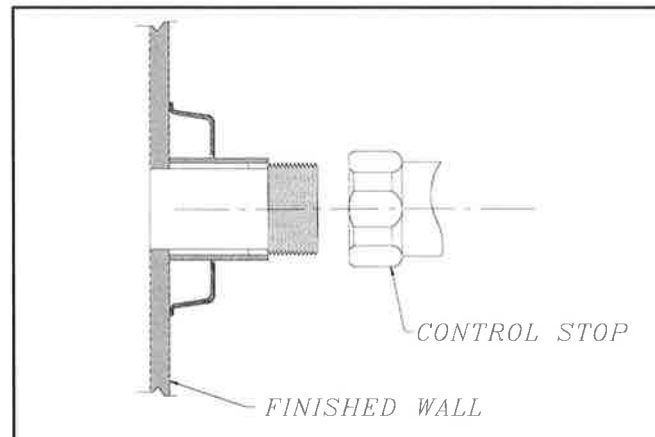
## STEP NO. 4

Slide wall escutcheon over chrome tube and slide both chrome tube and wall escutcheon over supply pipe pushing the wall escutcheon all the way to the wall.



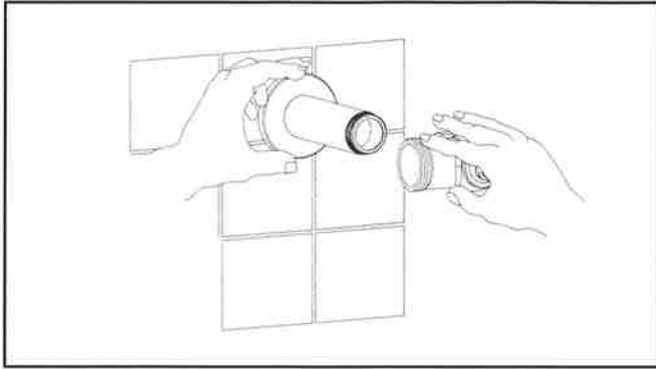
## STEP NO. 5

Screw control stop onto water supply water adaptor.

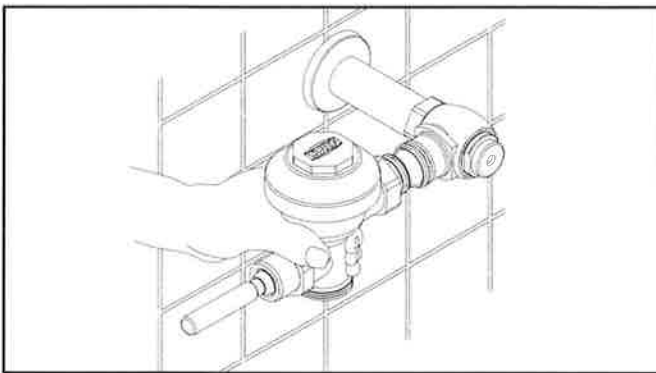


# AquaVantage® Installation Instructions

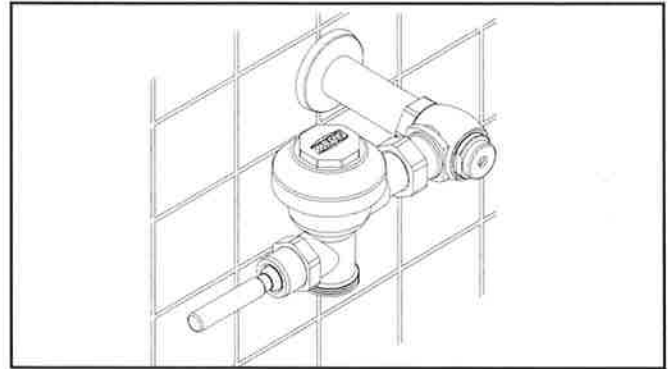
1. Install stop valve assembly using proper size supply escutcheon and sweat solder adapter kit if applicable (see 1). Thread sealing compounds should be used on male NPT threads only.



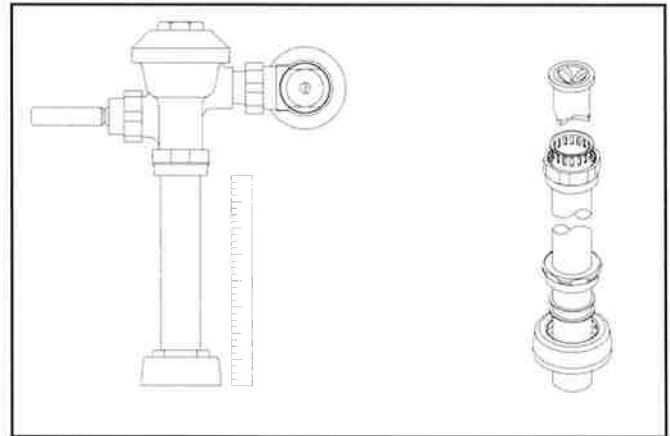
2. Prior to inserting the flush valve tailpiece into stop valve, be certain that the O-ring seal is located in O-ring seal groove at the end of the tailpiece and the locking nut and locking snap ring are located as shown below (see 2). Care should be taken not to damage the O-ring when inserting the tailpiece into the stop valve. If lubrication is needed, wetting the O-ring with water will be sufficient.



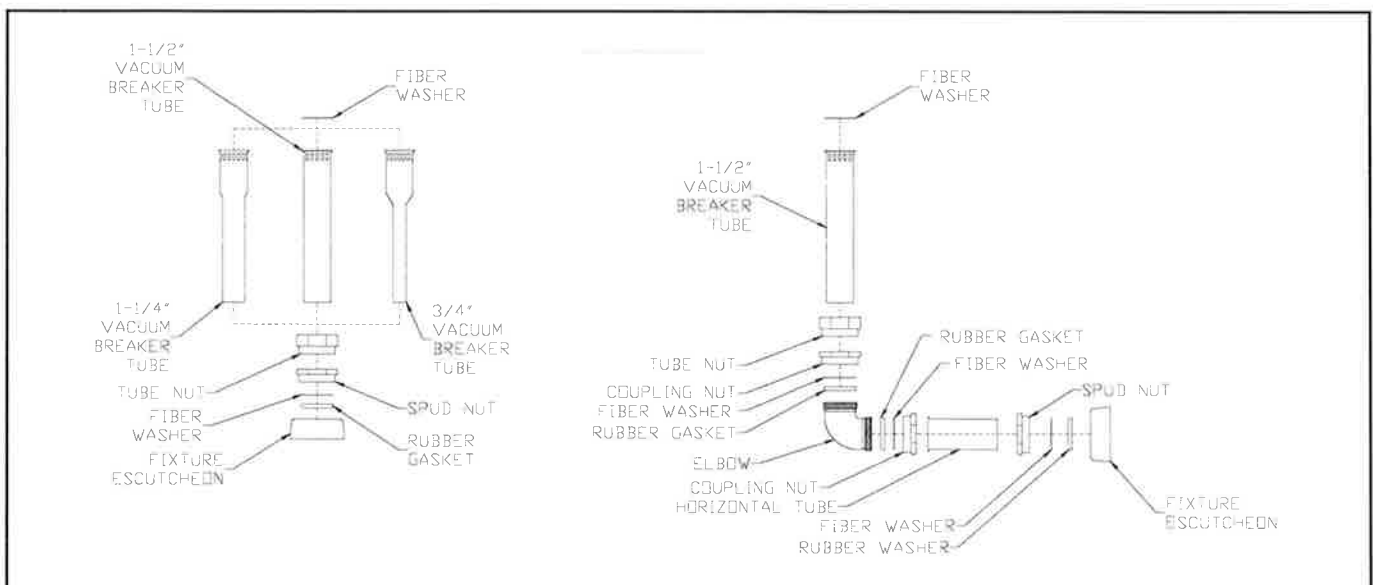
3. Insert the flush valve tailpiece into the stop valve and hand tighten the lock nut to the stop valve. Plumb the entire unit (see 3).



4. Determine the length of vacuum breaker tube required to join the flush valve and fixture spud. Cut the vacuum breaker tube, if required, to this length (see 4a). Assemble the vacuum breaker tube assembly and spud nut assembly to the flush valve and fixture spud (see 4b).

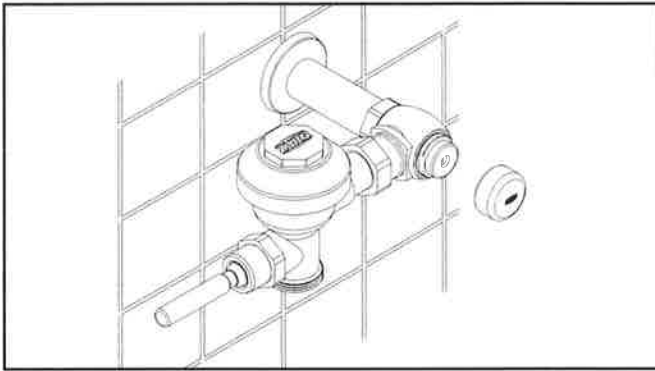
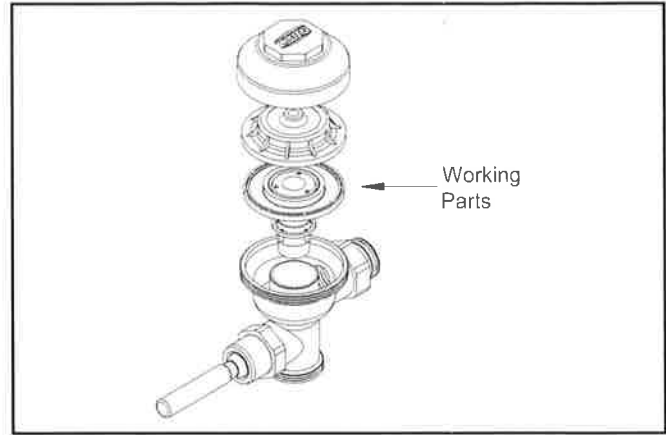


5. Hand tighten spud nut and vacuum breaker tube nut to fixture and flush valve. Adjust the valve assembly for plumb. Tighten fixture spud nut, vacuum breaker tube nut and lock nut with a wrench.



## AquaVantage® Installation Instructions

6. When all flush valves are connected to the fixtures and water pressure is available, it is recommended that the supply piping be flushed to remove dirt, pipe chips, etc. from system. Before the water is turned on, be sure all stop valves to the flush valves are closed off tight. The stop valves can be opened and closed by using the adjusting screw located at the center of the stop valve cap, behind the stop snap cap screw cover if already installed (see 6a). Stop valve adjustments can only be made by using the adjusting screw. **It is not necessary to remove the stop valve cap when making adjustments. If for any reason it becomes necessary to remove the stop valve cap, be certain the water is shut off at the main supply valve.**

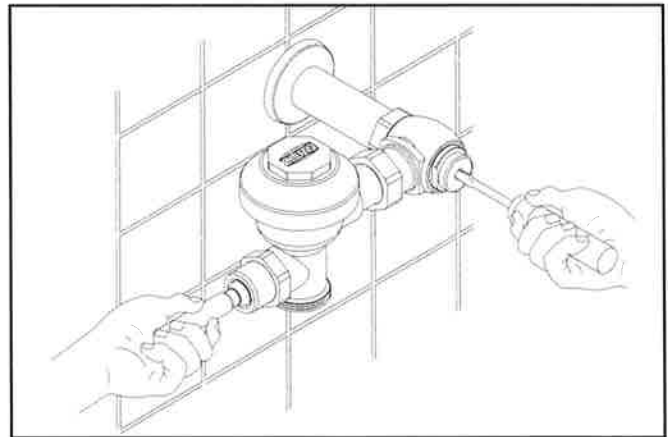


7. The Aquaflush flush valves are preset for fixture volume as marked on the valve cartons. The valve does not require regulation for variation in water pressure within its operating range. To set the flush valve for proper operation, gradually adjust the stop valve open, using the adjusting screw, while actuating the valve until the rate of water flow into the fixture is not excessive, yet is sufficient enough to adequately evacuate the waste. The final setting for urinals should be such that the fixture will not overflow when the valve is actuated in succession. The stop snap cap screw cover should be secured after final adjustments have been made.

Use the following procedure to flush out the supply piping:

- A. Remove the main valve body cover.
- B. Remove the working parts from the flush valve (shown in 6b).
- C. Replace the main valve body cover and plastic cover without reinstalling the working parts.
- D. Open the stop valve by using the stop adjusting screw, and flush out all debris from pipe and connections.
- E. Shut stop, open cover, replace the working parts, replace and tighten cover.

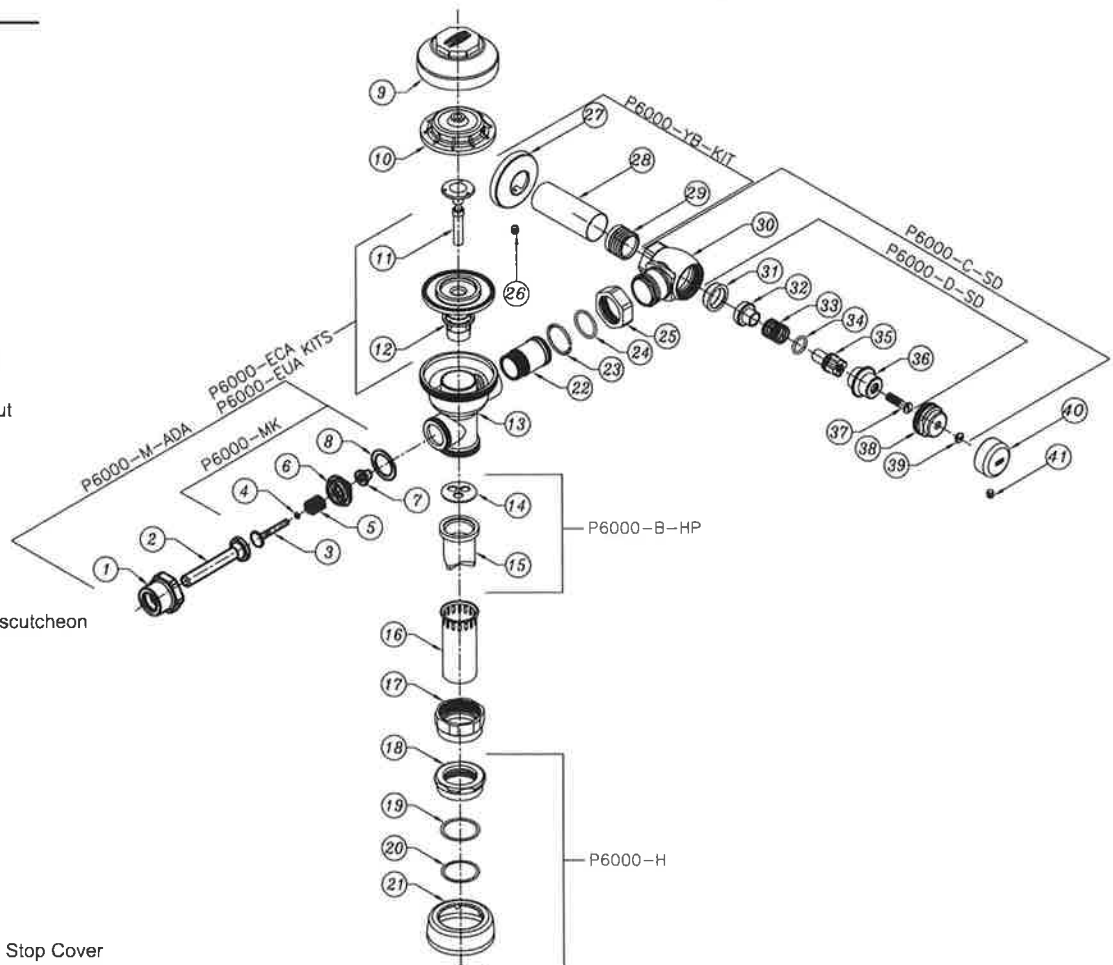
This procedure should also be followed when the system has been drained for some time, as occurs in athletic fields, recreation parks, etc.



# AquaVantage® Repair Kits

## Part Identification

1. Handle Nut
2. Handle
3. Actuator Rod
4. Handle O-Ring
5. Handle Spring
6. Handle Seal Retainer
7. Handle Seal
8. Handle Gasket
9. Valve Body Cover
10. Plastic Wrap
11. Trip Mechanism
12. Diaphragm Assembly
13. Valve Body
14. Vacuum Breaker Insert
15. Vacuum Breaker Duckbill
16. Vacuum Breaker Tube
17. Vacuum Breaker Tube Nut
18. Spud Nut
19. Spud Friction Washer
20. Spud Sleeve
21. Spud Escutcheon
22. Tailpiece
23. Snap Ring
24. Tailpiece O-Ring
25. Locking Nut
26. Setscrew for Cast Wall Escutcheon
27. Cast Wall Escutcheon
28. Supply Cover Tube
29. Sweat Solder Adapter
30. Stop Body
31. Piston Seal
32. Piston Seal
33. Stop Spring
34. Guide O-Ring
35. Piston Guide
36. Guide Holder
37. Adjusting Screw
38. Stop Cap
39. Snap Cap Screw Cover
40. Vandal-Resistant Control Stop Cover
41. Setscrew for Control Stop Cover



Covers and Repair Kits	Product No.
Outside Cover - CP - Item 9	P6000-LL
Inside Cover - Item 10	P6000-L
HET Water Closet Kit - 1.28 gal. flush (PL Only)	P6000-ECA-HET
ULF Urinal Kit - 0.125 gal. flush (PL Only)	P6000-EUA-ULF
Low Consumption Closet Kit - 1.6 gal. flush	P6000-ECA-WS1
Water Saving Closet Kit - 3.5 gal. flush	P6000-ECA-WS
Full Flow Closet Kit - 4.5 gal. flush	P6000-ECA-FF
Low Consumption Urinal Kit - 1.0 gal. flush	P6000-EUA-WS1
Water Saving Urinal Kit - 1.5 gal. flush	P6000-EUA-WS
Full Flow Urinal Kit - 3.0 gal. flush	P6000-EUA-FF

Repair Parts - Inside Parts	Product No.
Urinal Relief Valve - Item 11	P6000-EU13
Closet Relief Valve - Item 11	P6000-EC13

AquaVantage Rebuild Kits	Product No.
Closet and Urinal Rebuild Kits Include Items 3-8, 11, 12, 24, 28-34	P6000-EC-WS-RK P6000-EC-WS1-RK P6000-EU-WS-RK P6000-EU-WS1-RK

Handle Assembly and Repair Kits	Product No.
ADA Handle Assembly (Side) Includes Items 1-8	P6000-M-ADA
Handle Repair Kit (Side) Includes Items 4-8	P6000-MK
Handle Seal Includes Item 8	P6000-M9
Handle Gasket Includes Item 9	P6000-M10
Repair Kit for Front Operation - Exposed Includes Items 4-9	P6000-MHK
Handle Assembly (Front) Includes Items 2-9	P6000-MH

Control Stop Repair Kit and Parts	Product No.
Control Stop Repair Kit for 1" and 3/4"	P6000-D-SD
Includes Items 31-37	
Seal Seat for 1" and 3/4", Includes Item 31	P6000-D42
VP Control Stop Repair Kit for 1" and 3/4", Includes Items 30-39	P6000-C-SD
Sweat Solder Connection with Cast Wall Flange, Includes Items 26-29	P6000-YB

Adjustable Tailpieces	Product No.
Adjustable Tailpiece for Standard Flush Valve Includes Items 22-25	P6000-J1
Tailpiece Coupling Assembly Includes Items 23-25	P6000-K
Tailpiece Locking Ring Includes Item 23	P6000-C30
Tailpiece O-Ring Includes Item 24	P6000-C31
Coupling Nut Includes Item 25	P6000-C32

Flush Connections and Spud Coupling Kits	Product No.
Flush Tube Assembly for Flush Valves Includes Items 14-16. Specify diameter and length.	P6000-A-HP
Vacuum Breaker Repair Kit Includes Items 14-15	P6000-B-HP
Spud Coupling Assembly Includes Items 18-21. Specify size.	P6000-H

# AquaVantage® Trouble Shooting Guide

Problem	Cause*	Corrective Action*
Valve will not operate.	1.) Stop valve is closed. 2.) Supply valve is closed.	1.) Open stop valve. 2.) Open supply valve.
Insufficient volume of water to adequately siphon fixture.	"1.) Stop valve is not open enough. 2.) Urinal trip mechanism installed in wrong kit, urinal for closet. 3.) Insufficient volume or pressure at supply.	1.) Open stop valve for desired volume of water. 2.) Replace urinal part with proper closet valve part.  3.) If gauges are not available to measure supply pressure or volume of water at the valve, completely remove the working parts and open the stop valve to allow water to pass through the empty valve. If the supply is adequate to siphon the fixture, the guide ring (#16) may be removed from the guide assembly to provide additional flow (see page 5). Should this prove unsatisfactory, steps should be taken to increase the pressure and/or supply.
Flush valve shuts off too quickly.	1.) Damaged or punctured diaphragm. 2.) Enlarged by-pass orifice. "	1.) Install new P6000-EUR or P6000-ECR replacement kit to remedy the problem. (#12 thru #17) 2.) Install new P6000-EUR or P6000-ECR replacement kit to remedy the problem. (#12 thru #17) "
Valve is short flushing.	1.) Diaphragm kit is not matched to the fixture. 2.) Urinal trip mechanism (black #12) is in the closet flush valve.	"1.) Install the proper P6000-EUR or P6000-ECR replacement kit to remedy the problem. (#12 thru #17) 2.) Install closet trip mechanism (white #12).
Valve is flushing too long or not shutting off.	1.) Trip mechanism not seating properly due to foreign material between trip mechanism and retainer disc. 2.) By-pass orifice is plugged or partially plugged.  3.) Line pressure is not adequate to force trip mechanism to seal.  4.) Cracked cover. (#11)	1.) Disassemble parts and rinse thoroughly.  2.) Examine by-pass orifice and clean if necessary being certain not to enlarge orifice opening. 3.) Pressure is inadequate or has dropped below minimum operating range. Steps should be taken to increase the line pressure. 4.) Replace cover with new one.
Water splashes out of fixture.	1.) Supply volume is more than is necessary. 2.) Lime accumulation on vortex or spreader holes of fixture.	1.) Adjust downward on control stop. 2.) Remove the lime build up.
Flush is not considered quiet.	1.) Control stop may not be adjusted for quiet operation. 2.) Fixture may be contributing to noise.  3.) Piping system may be source of noise.	1.) Adjust the control stop for quiet operation keeping in mind the fixture evacuation requirements. 2.) Check noise created by fixture by placing a cover over the bowl opening to separate valve noise from bowl noise. If it is determined the fixture is too noisy consult with fixture manufacturer. 3.) High pressure in the system can sometimes be controlled by the stop valve. Other sources of noise may be the absence of air chambers and shock arrestors, loose pipes, improper size pipes, etc. In these cases the building engineer should be consulted.
Handle assembly leaking.	1.) Handle assembly is not tight.	1.) Tighten handle assembly.
Water drips from chrome cap.	1.) P6000-L inside plastic cap is cracked.	1.) Replace P6000-L plastic cap.

## Care of Chrome Plated Surfaces

The suggested cleaning of chrome plated surfaces is simply to clean them with mild soap and water, then dry. Commercial cleaning compounds are never recommended.

## Seasonal Use

Valves used in installations subject to shut down because of cold and freezing conditions should be maintained in the following manner. After the main supply has been shut off and the water drained from the system, remove the stop valve cap and stop valve internals to allow the water to drain from the flush valve itself.

\*See previous page for numerical references.



**ZURN INDUSTRIES, LLC** COMMERCIAL BRASS OPERATION, 5900 ELWIN BUCHANAN DRIVE, SANFORD, NC, U.S.A. 27330  
PHONE: 1-800-997-3876 FAX: 919/775-3541 [www.zurn.com](http://www.zurn.com)  
**ZURN INDUSTRIES LIMITED** 3544 NASHUA DRIVE, MISSISSAUGA, ONTARIO L4V 1L2 PHONE: 905/405-8272 FAX: 905/405-1292





Problem	Cause	Corrective Action
Valve will not operate.	1.) Stop valve is closed. 2.) Supply valve is closed.	1.) Open stop valve. 2.) Open supply valve.
Insufficient volume of water to adequately siphon fixture.	1.) Stop valve is not open enough. 2.) Improper diaphragm kit installed. 3.) Insufficient volume or pressure at supply.	1.) Open stop valve for desired volume of water. 2.) Replace with proper gallons-per-flush diaphragm kit. 3.) Measure water pressure. If gauges are not available to measure supply pressure or volume of water at the valve, remove the trip component and reassemble the valve. Then, open the stop valve to allow water to pass through the empty valve. Should this prove unsatisfactory, steps should be taken to increase the pressure and/or supply.
Flush valve shuts off too quickly.	1.) Damaged or punctured diaphragm. 2.) Enlarged by-pass orifice. 3.) Improper diaphragm kit installed.	1.) Replace diaphragm kit. 2.) Replace diaphragm kit. 3.) Replace with proper gallons-per-flush diaphragm kit.
Valve is flushing too long or not shutting off.	1.) Trip mechanism not seating properly due to foreign material between trip mechanism and retainer disc. 2.) By-pass orifice is plugged or partially plugged. 3.) Line pressure is not adequate to force trip mechanism to seal. 4.) Cracked cover. 5.) Debris may be trapped on underside of diaphragm.	1.) Disassemble parts and rinse thoroughly. 2.) Examine by-pass orifice and clean if necessary being certain not to enlarge orifice opening. 3.) Pressure is inadequate or has dropped below minimum operating range. Steps should be taken to increase the line pressure. 4.) Replace cover with new one. 5.) Clean debris from diaphragm kit and be sure no damage has been done to diaphragm.
Water splashes out of fixture.	1.) Supply volume is more than is necessary. 2.) Lime buildup on vortex or spreader holes of fixture.	1.) Turn stop valve clockwise to reduce supply to desired volume. 2.) Remove the lime build up.
Flush is not considered quiet.	1.) Control stop may not be adjusted for quiet operation. 2.) Fixture may be contributing to noise. 3.) Piping system may be source of noise.	1.) Adjust the control stop for quiet operation keeping in mind the fixture evacuation requirements. 2.) Check noise created by fixture by placing a cover over the bowl opening to separate valve noise from bowl noise. If it is determined the fixture is too noisy consult with fixture manufacturer. 3.) High pressure in the system can sometimes be controlled by the stop valve. Other sources of noise may be the absence of air chambers and shock arrestors, loose pipes, improper size pipes, etc. In these cases the building engineer should be consulted.
Chattering noise in flush valve.	1.) The inside cover has been distorted by freezing or abuse.	1.) Replace both inside plastic cover and outside brass cover.
Handle assembly leaking.	1.) Handle assembly is not tight.	1.) Tighten handle assembly.

## Care of Chrome Plated Surfaces

The suggested cleaning of chrome plated surfaces is simply to clean them with mild soap and water, then dry. Commercial cleaning compounds are never recommended.

## Seasonal Use

Valves used in installations subject to shut down because of cold and freezing conditions should be maintained in the following manner. After the main supply has been shut off and the water drained from the system, remove the stop valve cap and stop valve internals to allow the water to drain from the flush valve itself.

## Replacement Parts

Use Zurn replacement parts. Use of any other parts may result in a decline in performance and water savings.

Rev. A | Date: 11/8/2022 | C.N. No. 144847 | Prod./Dwg. No. FV827

[zurn.com/patents](http://zurn.com/patents)

US 1.855.ONE.ZURN CANADA 1.877.892.5216

**ZURN.COM**

by **ZURN ELKAY** Water Solutions

[READ MORE](#)



[Representative Listing](#)

[Product Spec Sheets](#)

[Spec Catalog](#)

[Features & Benefits Videos](#)

[Installation Videos](#)

[Warranty](#)

[Contact Us](#)

## Warranty

### Warranty Statement

All products are guaranteed against defects in material and workmanship for a period of one (1) year from date of purchase.

This guarantee does not apply to any compression molded wood, solid wood, decorator, or economy residential plastic toilet seats used in nonresidential installations, including hotels and motels. This guarantee does not apply to any toilet seats which are modified in any way or used on any type of installation or unit other than conventional water closets. We assume no liability for toilet seats modified or installed on anything other than conventional water closets.

**TOILETSEATS.COM**

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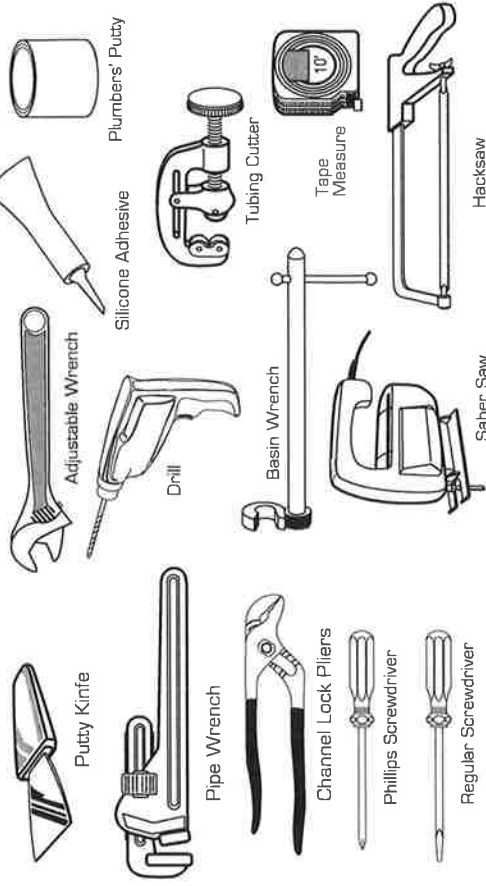
**P-2**

# Undercounter Lavatory Installation Instructions

Observe Local Plumbing and Building Codes

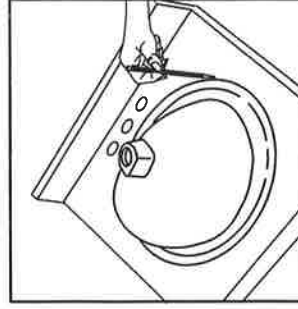
**Introduction:** Thank you for selecting our products...products which have been the benchmarks of fine quality for years. To help insure that the installation process will proceed smoothly, please read these instructions carefully before you begin. Also, review the recommended tools and materials list; carefully unpack and examine your new plumbing fixture.

## Recommended Tools & Materials



1

If making a cutout is necessary, locate the position of the lavatory. Provide proper clearance under the countertop for the faucet supply lines, drain assembly and the structural parts of the cabinet. Turn upside down and trace perimeter of lavatory. NOTE: If replacing an existing lavatory be certain to shut off water supply before removing old lavatory.



American Standard Ideal Standard Inessa Standard Sadona Standard Cedexa Saniwares

Product names listed herein are trademarks of American Standard Inc., unless otherwise noted.

## AMERICAN STANDARD ONE-YEAR LIMITED WARRANTY

If inspection of this American Standard plumbing product, within one year after its initial installation, confirms that it is defective in materials or workmanship, American Standard will repair or, at its option, exchange the product for a similar model.

This limited warranty **does not apply** to local building code compliance; since local building codes vary considerably, the purchaser of this product should check with a local building or plumbing contractor to insure local code compliance before installation.

This warranty **shall be void** if the product has been moved from its initial place of installation; if it has been subjected to faulty maintenance, abuse, misuse, accident or other damage; if it was not installed in accordance with American Standard's instructions; or if it has been modified in a manner inconsistent with the product as shipped by American Standard.

American Standard's option to repair or exchange the product under this warranty does not cover any labor or other costs of removal or installation, **nor shall American Standard be responsible for any other incidental or consequential damages attributable to a product defect or to the repair or exchange of a defective product, all of which are expressly excluded from this warranty.** (Some states or provinces do not allow the exclusion or limitation of implied warranties, so this exclusion may not apply to you.)

This warranty gives you specific legal rights. You may have other statutory rights that vary from state to state or from province to province, in which case this warranty does not affect such statutory rights.

For service under this warranty, it is suggested that a claim be made through the contractor or dealer from or through whom the product was purchased, or that a service request (including a description of the product model and of the defect) be sent to the following address:

### In the United States:

AMERICAN STANDARD, INC.  
P.O. Box 6820  
Piscataway, New Jersey 08855  
Attn: Director of Consumer Affairs

For residents of the United States, warranty information may also be obtained by calling the following toll free number: (800) 223-0068

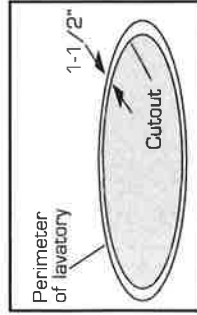
### In Canada:

AMERICAN STANDARD, INC.  
1401 Dupont Street  
Toronto, Ontario Canada M6H 2B1  
Toll Free: (800) 387-0369 Toronto Area: (416) 536-5609

### In Mexico:

IDEAL STANDARD, S.A. de C.V.  
Customer Service Manager  
Planta Santa Clara, Via Morelos #330  
Santa Clara Coatilla  
Ecatepec de Morelos 55540,  
Estado de Mexico, Mexico

2

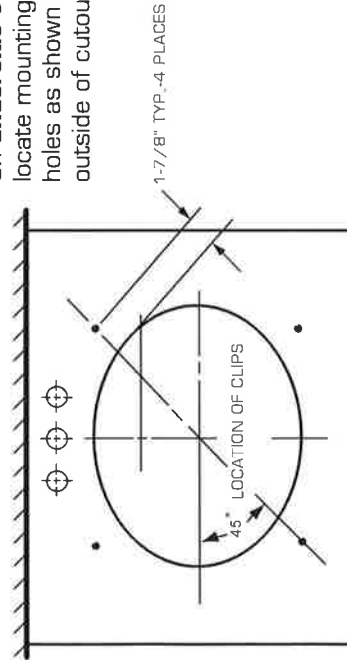


Cut opening 1-1/2" inside the perimeter line of the lavatory.

3

### LOCATION OF MOUNTING HOLES

On **underside** of countertop, locate mounting hardware holes as shown 1-7/8" outside of cutout.



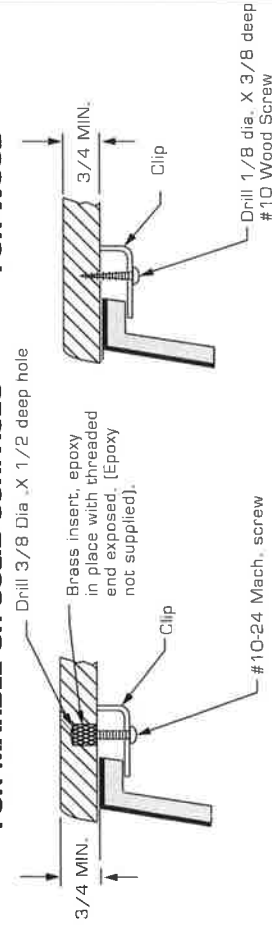
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### INSTALL MOUNTING HARDWARE

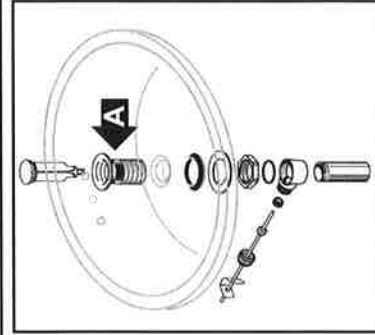
#### FOR MARBLE OR SOLID SURFACES

Drill 3/8 Dia. X 1/2 deep hole

#### FOR WOOD

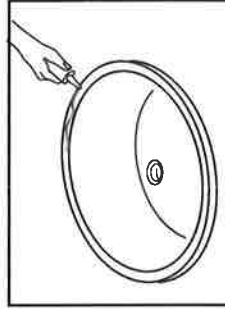


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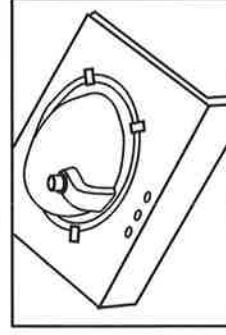
Mount the drain assembly (not included) on the lavatory, following faucet manufacturer's instructions. Be certain to apply a bead of sealing putty on the underside of the drain (Part "A") in order to ensure a watertight seal between the lavatory and drain. Remove excess putty after installing drain on lavatory.

6



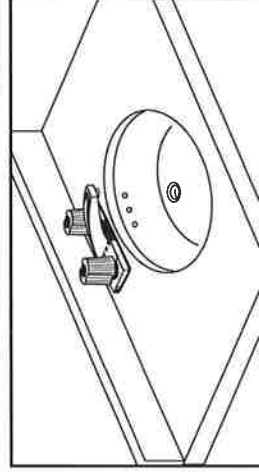
After checking fit and alignment of lavatory to cut out, apply a bead of silicone adhesive to rim of lavatory.

7



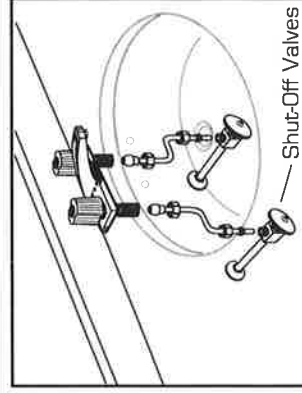
Center bowl over cutout and tighten screws (see 4) to secure bowl to countertop. Remove excess sealant from inside lip.

8



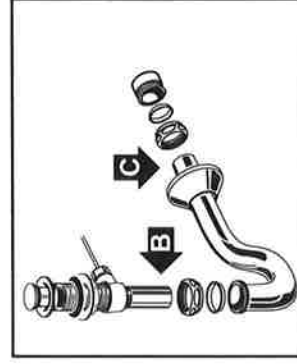
Install faucet (not included) and countertop (not included) following manufacturer's instructions.

9



Connect supply line to faucet (finger tight) and carefully bend tubes to engage with the supply shut-off valves. Tighten connections at faucet and shut-off valves for water tight seal.

10



Connect trap to drain assembly hand tight to check alignment. It may be necessary to cut off part of the tailpiece (area "B") or part of the horizontal leg of the trap (area "C"). Secure joints for watertight assembly.



## INSTALLATION & SERVICE INSTRUCTIONS MODEL 170A-LF

Bulletin G-170A  
October 2020

### 170A-LF 3/8" COMPRESSION

#### ASSE 1070 CERTIFIED

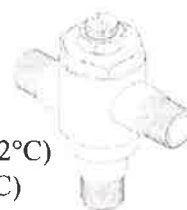


**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to [www.p66.ca.gov](http://www.p66.ca.gov)

#### NOTE: DO NOT USE THREAD SEALANT ON COMPRESSION CONNECTIONS

#### PERFORMANCE:

- Maximum Pressure: 125 PSI (8.6 BAR)
- Maximum Hot water temperature: 180°F (82°C)
- Hot water inlet temperature range: 120-180°F (49-82°C)
- Cold water inlet temperature range: 33-80°F (1-27°C)
- Outlet temperature range: 95-120°F (35-49°C)
- Minimum flow certified to ASSE 1070: 0.25 GPM
- Maximum flow: 4 GPM



### WARNING!!



**WATER TEMPERATURES IN EXCESS OF 110°F (43°C) MAY CAUSE SCALDING, SEVERE INJURY, OR DEATH!! IMPORTANT!**

This thermostatic water mixing valves is NOT pre-set and can be adjusted to deliver water at temperatures exceeding 110°F (43°C). After installation, the installer must check the outlet water temperature and adjust the temperature setting to ensure delivery of a safe water temperature not exceeding 110°F (43°C).

#### Periodic inspection and maintenance is required

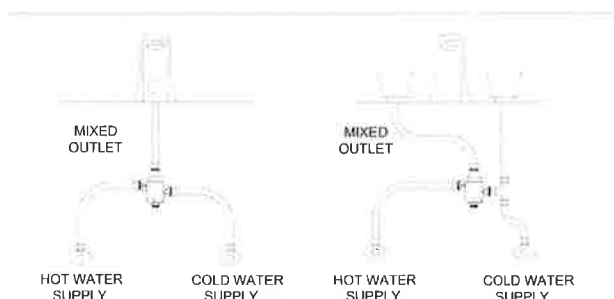
Regular inspection of the valve and the outlet temperature are required. Cleaning at a minimum of annually will help assure proper function of the mixing valve. Frequency of cleaning and inspection of the outlet temperature depends upon local water quality conditions.

1. Valve should be installed where it can be easily cleaned, adjusted or repaired. Leonard recommends that shutoffs are installed on the inlets to the mixing valve.
2. Inlets are furnished with 3/8" compression connections. If using copper tubing, do NOT extend tubing more than 3/16" beyond the compression ferrule. **DO NOT use thread sealant.**
3. Tighten compression nuts by hand, then tighten only 1/4 turn, overtightening will cause leaks and possibly crush checks.
4. Flush the hot and cold water lines before installing mixing valve.
5. "H" and "C" are clearly marked on the inlets, install hot water line to inlet marked "H" and cold water line to the inlet marked "C". Valve can be installed in any position.
6. Valve is NOT pre-set and must be set after installation. Run water for at least 1-2 minutes to allow water to stabilize.
7. Loosen locknut on stem, turn stem (screwdriver adjustment) counter-clockwise (stem coming out of valve) for hotter and clockwise (stem going into valve) for colder outlet temperature. Do not force the valve to below 90° F.
8. Tighten down the locknut to prevent unauthorized adjustment.
9. Verify the outlet temperature is set to the correct temperature.

### TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Cannot reach desired outlet temperature	Valve is full of debris or Inlets supplies are reversed	Flush valve with water Pipe hot to hot inlet, cold to cold inlet
Flow rate reduced or fluctuating	Inlet screen filled with debris	Check inlet screens for debris
No flow from outlet	Hot or Cold water supply failure	Restore Hot and Cold water inlet supplies
No flow from outlet	Inlet supply tube extending more than 3/16" beyond ferrule	Shorten tube and replace inlet checks
Hot water flows into Cold water supply or vice versa	Check valve has debris, inlets were not properly flushed	Replace inlet check valves and screens
Outlet temperature not warm enough	Hot water supply not 10° F above required outlet temperature (5° F with equal pressures)	Increase Hot water inlet temperature

### INSTALLATION



#### 170A - BP ONLY

PACKING  
PART # 7539

CHECK KIT - KIT 4/108  
INCLUDES CHECKS  
AND SCREENS

#### LIMITED WARRANTY

Leonard Valve Company warrants the original purchaser that products manufactured by them (not by others) will be free from defects in materials and workmanship under normal conditions of use, when properly installed and maintained in accordance with Leonard Valve Company's instructions, for a period of one year from date of shipment. During this period the Leonard Valve Company will at its option repair or replace any product, or part thereof, which shall be returned, freight prepaid, to the Leonard factory and determined by Leonard to be defective in materials or workmanship. There are no warranties, express or implied, which extend beyond the description contained herein. There are no implied warranties of merchantability or of fitness for a particular purpose. In no event will Leonard be liable for labor or incidental or consequential damages. Any alteration or improper installation or use of the product will void this limited warranty.

1360 Elmwood Avenue, Cranston, RI 02910 USA  
Phone: 401.461.1200 Fax: 401.941.5310  
Email:  
Web Site: <http://www.leonardvalve.com>



a Bead Industries, Inc. company

## Warranty, Terms and Return Policies

**TERMS:** All sales are subject to credit approval. Terms are 2% ten days – net 30.

**RETURNED GOODS:** Requests for returning purchased items are subject to factory approval.

A Returned Goods Authorization (RGA) must be obtained from the factory prior to any return. Returned merchandise must be in their original cartons, listed in our current List Price Sheet and in clean saleable condition.

Restocking charge:

- Material that was shipped within 18 months of the return request is subject to a 25% restocking charge.
- Material that was shipped more than 18 months of the return request but less than 3 years is subject to a 50% restocking charge.
- Material returned more than 18 months after it was shipped is not subject to any stock rotation agreement.
- Material that was shipped more than 3 years before the return request is not returnable.
- Invoice dates as well as dates on packaging will control.

The restocking charge may be reduced if a new order of equal value is placed at the time the RGA is requested:

- 25% may be reduced to 15%
- 50% may be reduced to 35%

### **MINIMUM RETURN POLICY:**

Return requests less than \$200 net will be charged \$50 processing fee in lieu of any restocking charge.

### **INVOICE:**

We reserve the right to invoice all merchandise at prices in effect at time of shipment.

### **NO MINIMUM ORDER:**

Orders less than \$200 list will be invoiced at list price less 35% (.65 multiplier).

## **McGuire Manufacturing Co., Inc.**

60 grandview court • cheshire • ct • 06410

tel 203-699-1801 • fax 203-699-1813

mcguiremfg.com

customerservice@mcguiremfg.com

**FREIGHT:**

We will pay freight on shipments within the continental United States when the order (pre-tax) totals more than \$2200 net. We select the method of shipment and carrier when we pay the freight.

## Limited Warranty Information

McGuire Manufacturing Co., Inc. (McGuire) warrants its product to be free from defects in material and workmanship for the period indicated below by product type measure from the date of purchase:

ITEM	WARRANTY PERIOD
Brass products	15 years
ProWrap	5 years
Eco P-Traps, Eco Strainers and Valve Strainers	1 year
Stainless Steel products	1 year
Lite Commercial P-Traps	1 year

McGuire's sole responsibility will be to replace, at no additional charge, any product which proves to be defective within the applicable warranty period. Shipping costs for product located outside the continental United States will be the sole responsibility of the customer. Duties and taxes, if levied, shall be the sole responsibility of the customer.

The above Limited Warranty shall not apply if the product has been damaged due to abuse, misuse, improper installation, accident, or other cause not within McGuire's control.

THE ABOVE LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY. ALL OTHER WARRANTIES ARE DISCLAIMED, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL MCGUIRE BE RESPONSIBLE OR LIABLE FOR ANY SPECIAL INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOSSES ARISING FROM THE USE OF THIS PRODUCT.

McGuire may, at its option, alter the contents of this LIMITED WARRANTY at anytime. These changes will affect products manufactured after the effective date of this policy.

### **McGuire Manufacturing Co., Inc.**

60 grandview court • cheshire • ct • 06410

tel 203-699-1801 • fax 203-699-1813

[mcguiremfg.com](http://mcguiremfg.com)

[customerservice@mcguiremfg.com](mailto:customerservice@mcguiremfg.com)



**P-3**

# INSTALLATION INSTRUCTIONS

## WASHBROOK URINAL

### 6590 & 6515 SERIES

*American  
Standard*

Thank you for selecting American Standard – the benchmark of fine quality for over 100 years. To ensure this product is installed properly, please read these instructions carefully before you begin. (Certain installations may require professional help.) Also be sure your installation conforms to local codes.

#### BEFORE YOU BEGIN

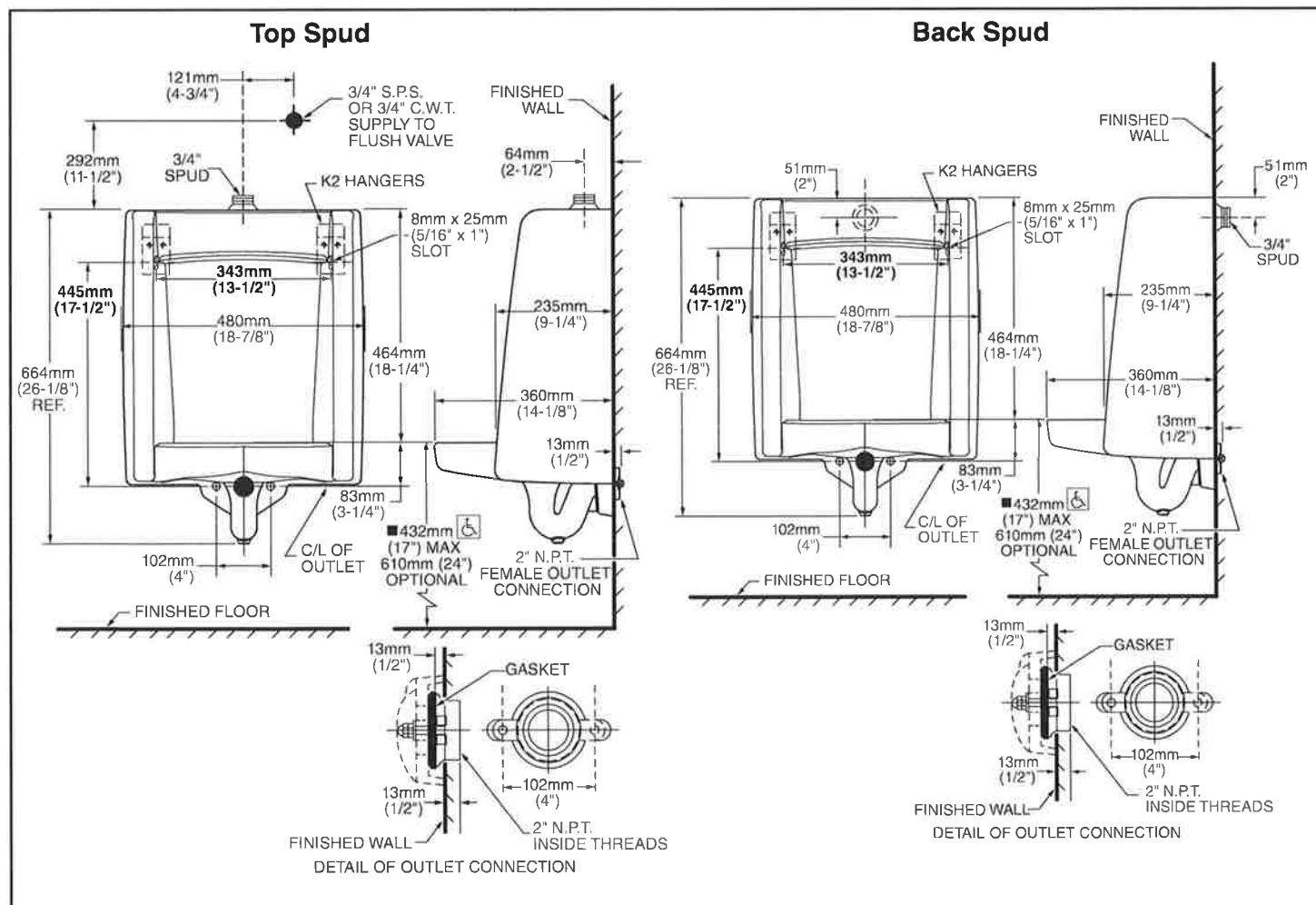
**⚠ CAUTION: PRODUCT IS FRAGILE. TO AVOID BREAKAGE AND POSSIBLE INJURY HANDLE WITH CARE!**  
NOTES:

- Pictures may not exactly define contour of china and components.
- Observe all local plumbing and building codes.
- Refer to local codes and manufacturer's instructions for flush valve requirements.
- Carefully inspect the new urinal for damage.
- Fixture dimensions are nominal and conform to tolerances by ASME Standard A112.19.2.
- Site preparation may require additional tools and hardware.

#### RECOMMENDED TOOLS AND MATERIALS

Safety Glasses	Tape Measure	Adjustable Wrench	Pencil	Hole Cutting Equipment
Thread Sealant	1/4" Ratchet	Blade Screwdriver	Levels	

SAVE FOR FUTURE USE



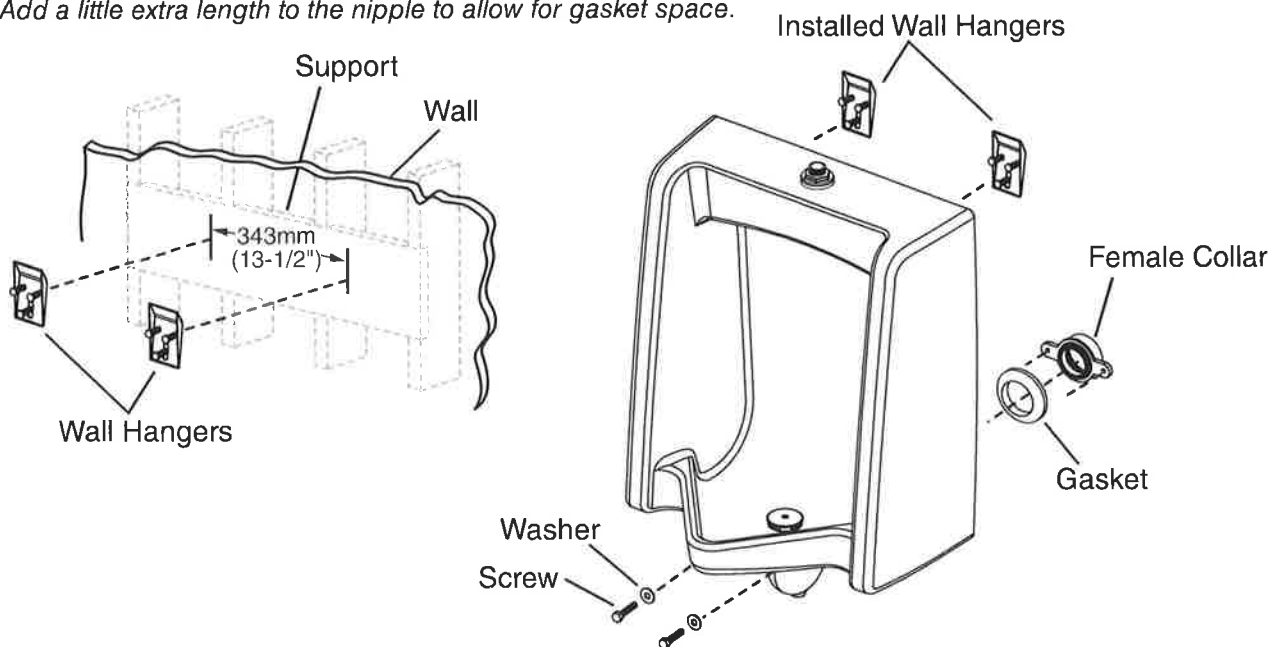
Product names listed herein are trademarks of AS America Inc.  
© AS America Inc. 2018

7301778-100 Rev. B 8/18

## 1 PREPARATION

- Turn the water supply OFF.
- Install or relocate the supply tubing and waste pipe as necessary to conform to the roughing in dimensions.
- Install the shut off valve.
- Install adequate support framing for the wall hangers as needed.
- Determine the position of the waste pipe nipple. When establishing the nipple length, take into account the length of the urinal outlet spud and the distance the female collar will thread onto the waste pipe nipple.

NOTE: Add a little extra length to the nipple to allow for gasket space.



## 2 INSTALL THE URINAL

**⚠ CAUTION: RISK OF PERSONAL INJURY OR PRODUCT DAMAGE. HANDLE WITH CARE. VITREOUS CHINA CAN BREAK OR CHIP IF THE PRODUCT IS HANDLED CARELESSLY.**

**⚠ CAUTION: RISK OF PRODUCT DAMAGE. DO NOT OVERTIGHTEN THE BOLTS.**

- Install the wall hangers according to the roughing in illustration.
- Apply thread sealant tape to the pipe threads and install the female collar to the waste pipe.
- Place the gasket onto the female collar with the beveled surface facing away from the collar.
- Carefully position the urinal on the wall hangers.
- Secure the urinal to the female collar using the screws and washers provided.

## 3 COMPLETE THE INSTALLATION

- Install the flush valve according to the manufacturer's instructions.
- Connect the water supply and complete the waste pipe connections.
- Turn on the water supply.
- Flush and check the entire installation for leaks.

## CARE & CLEANING

Wash with mild soapy water and rinse thoroughly. Dry with a soft cloth. Avoid detergents, disinfectants or cleaning products in aerosol cans as they may damage fittings.

### In the United States:

American Standard Brands  
1 Centennial Ave.  
Piscataway, New Jersey 08854  
Attention: Director of Customer Care  
For residents of the United States, warranty information may also be obtained by calling the following toll free number: (800) 442-1902  
[www.americanstandard.com](http://www.americanstandard.com)

### In Canada:

AS Canada, ULC  
5900 Avebury Rd.  
Mississauga, Ontario  
Canada L5R 3M3  
Toll Free: (800) 387-0369  
[www.americanstandard.ca](http://www.americanstandard.ca)

### In Mexico:

American Standard B&K Mexico  
S. de R.L. de C.V.  
Via Morelos #330  
Col. Santa Clara  
Ecatepec 55540 Edo. Mexico  
Toll Free: 01-800-839-1200  
[www.americanstandard.com.mx](http://www.americanstandard.com.mx)



# AquaVantage®

## Z6000AV Series

AquaVantage Exposed Flushometer

### Installation, Operation, Maintenance and Parts Manual



Z6000AV



Z6003AV



#### AquaVantage Exposed Closet/Urinal Systems

Z6000AV	Z6010AV
Z6000AV-HET	Z6014AV
Z6001AV	Z6017AV
Z6003AV	Z6096AV
Z6003AV-ULF	Z6099AV

**NOTICE: READ ENTIRE MANUAL PRIOR TO INSTALLING PRODUCT.**

⚠ **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

⚠ **AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

#### LIMITED WARRANTY

All goods sold hereunder are warranted to be free from defects in material and factory workmanship for a period of three years from the date of purchase. Decorative finishes warranted for one year. We will replace at no costs goods that prove defective provided we are notified in writing of such defect and the goods are returned to us prepaid at Sanford, NC, with evidence that they have been properly maintained and used in accordance with instructions. We shall not be responsible for any labor charges or any loss, injury or damages whatsoever, including incidental or consequential damages. The sole and exclusive remedy shall be limited to the replacement of the defective goods. Before installation and use, the purchaser shall determine the suitability of the product for his intended use and the purchaser assume all risk and liability whatever in connection therewith. Where permitted by law, the implied warranty of merchantability is expressly excluded. If the products sold hereunder are "consumer products," the implied warranty of merchantability is limited to a period of three years and shall be limited solely to the replacement of the defective goods. All weights stated in our catalogs and listed are approximate and are not guaranteed.

**NOTE:** The information in this manual is subject to change at any time without notice. Installations may be performed at different times of construction by different individuals. For this reason, these instructions should be left on-site with the facility or maintenance manager.

# AquaVantage® Rough-In, Product Specification, Models and Options

**ENGINEERING SPECIFICATION: ZURN AquaVantage® 'AV'**  
**Exposed Closet Flush Valve** – Exposed, quiet diaphragm type, chrome-plated flushometer valve with a polished exterior. Complete with Zurn's AquaVantage TPE, chloramine resistant, dual seal diaphragm with a clog resistant, triple filtered by-pass. The valve is ADA compliant with a non-hold-open and no-leak handle feature, high back pressure vacuum breaker, one-piece hex coupling nut, adjustable tailpiece, spud coupling, and flange for spud connection. Control stop has internal siphon-guard protection, vandal-resistant stop cap, sweat solder kit, and a cast wall flange with setscrew. Internal seals are made of chloramine resistant materials.

## MODELS

Z6000AV – 1-1/2" Water Closet Valve with top spud connection.

Z6010AV – 1-1/2" Water Closet Valve with back spud connection.

Z6001AV – 1-1/4" Urinal Valve with top spud connection.

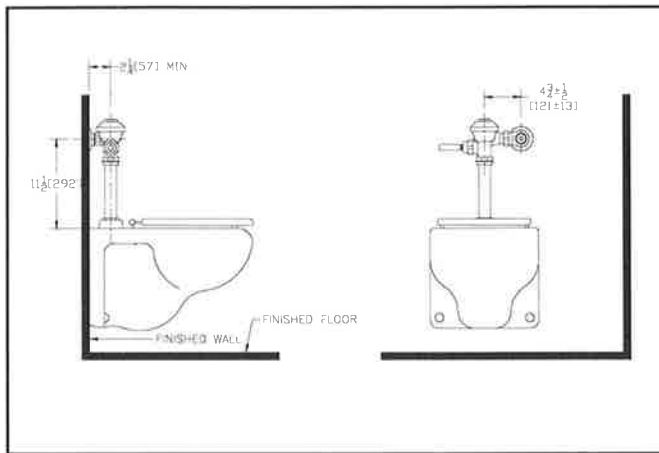
Z6003AV – 3/4" Urinal Valve with top spud connection.

## FLOWS

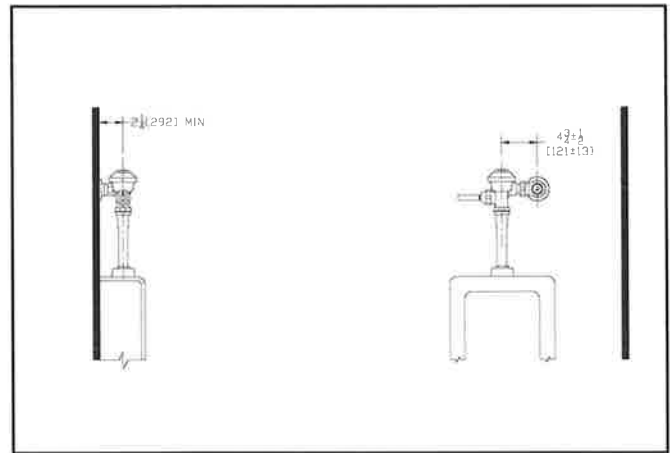
-FF	Full Flow 3.0 Gal. for Urinal, 4.5 Gal. for Water Closet
-HET	High Efficiency Toilet 1.28 Gal. for Water Closet
-WS1	Low Consumption 1.0 Gal. for Urinal, 1.6 Gal. for Water Closet
-ULF	Ultra Low Flow 0.125 Gal. for Urinal

## OPTIONS

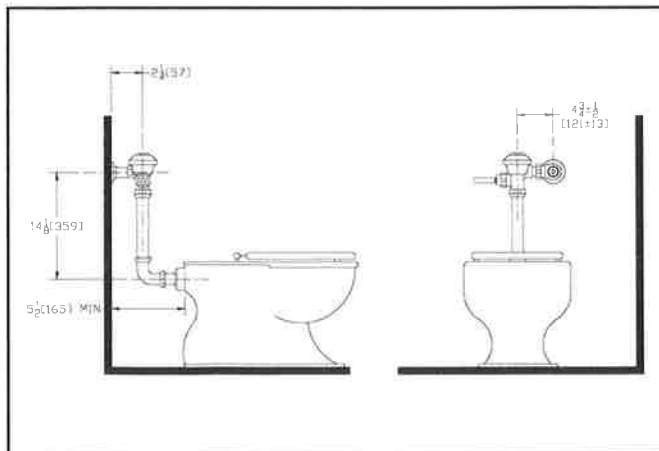
—-BG	BioCare Handle
—-H	Handle on Front of Flush Valve
—-L	1" [25] Metal Push Button
—-L3	3" [76] Metal Push Button
—-YJ	Split Ring Pipe Support
—-YK	Solid Ring Pipe Support
—-YO	Bumper on Stop Angle
—-1	16" Rough-In
—-2	24" Rough-In
—	Other



Models: Z6000AV, Z6000AV-1, Z6000AV-2, Z6000AV-3,  
 -HET (High Efficiency) 1.28 Gal.  
 -WS1 (Water Saver) 1.6 Gal. Low Consumption



Models: Z6001AV (1-1/4" urinal flush valve)  
 Z6003AV (3/4" urinal flush valve)  
 -WS1 (Water Saver) 1.0 Gal. Low Consumption  
 -ULF (Ultra Low Flow) 0.125 Gal.



Models: Z6010AV, Z6010AV-1, Z6010AV-2,  
 -HET (High Efficiency) 1.28 Gal.  
 -WS1 (Water Saver) 1.6 Gal. Low Consumption

# Sweat Solder Adaptor Installation Instructions

## Important:

- All plumbing is to be installed according to state and local codes and regulations.
- Water supply lines need to allow proper water flow for each fixture.
- Flush all lines of any **debris** before making connections.
- Do not use pipe sealant or plumbing grease on any fitting other than the control stop inlet.

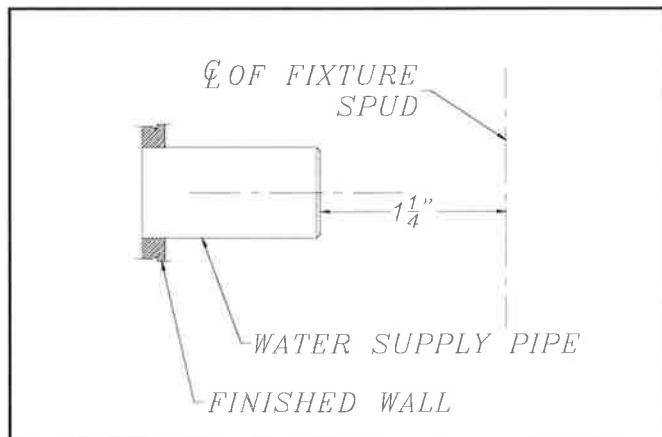
The Aquaflush valve is designed to operate under various water pressures with a recommended range between 10 and 100 psi (69 to 689 kPa). Each Zurn valve is tested for proper performance at the factory before being shipped. Consult the product pages of the catalog for available flow options.

Most low consumption fixtures (1.28 and 1.6 gallon) require a minimum of 25 psi running pressure through the valve to obtain proper evacuation. Please be sure to consult fixture manufacturer on minimum running water supply requirements for proper evacuation.

When installing your quality Zurn valve it is recommended that to protect the polished finish you do not use a toothed wrench. This will cause gouges and scratches on your valve.

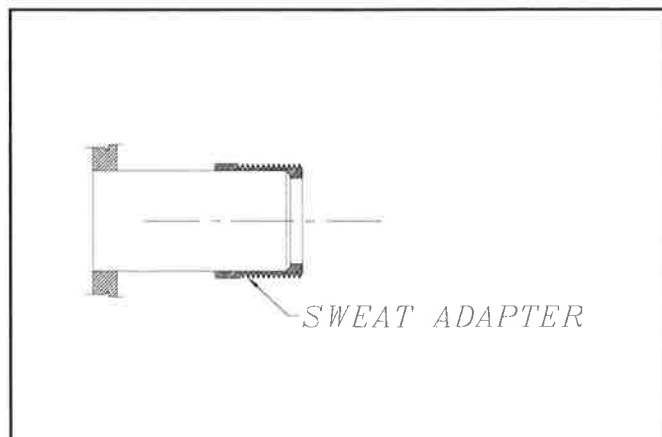
## STEP NO. 1

Measure distance from finished wall to center line of fixture spud; cut water supply pipe 1-1/4" shorter than this measurement. Chamfer O.D. and I.D.



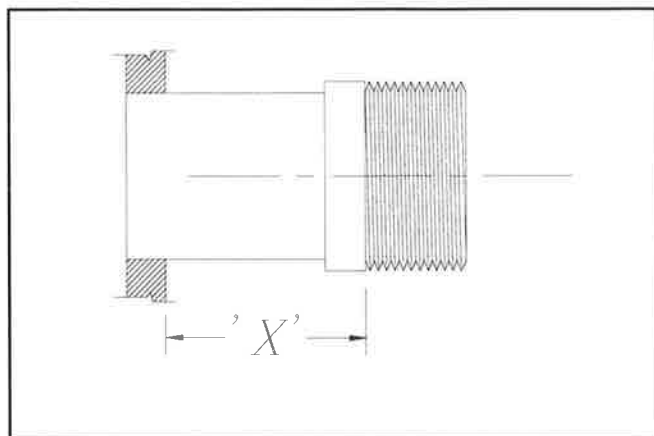
## STEP NO. 2

Slide threaded adapter onto supply pipe until shoulder stops on end of pipe. Then sweat-solder the adapter to water supply pipe.



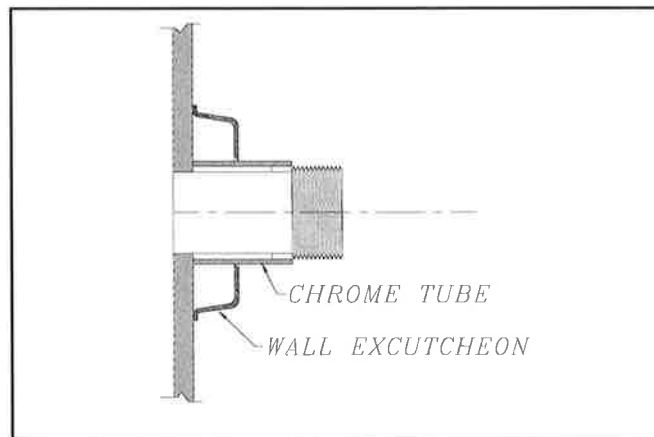
## STEP NO. 3

Measure from finished wall to first thread of adapter for length of chrome tube. Cut chrome tube this length 'x'.



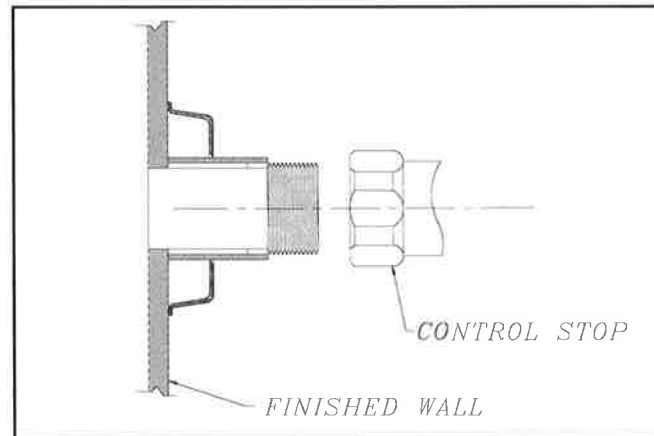
## STEP NO. 4

Slide wall escutcheon over chrome tube and slide both chrome tube and wall escutcheon over supply pipe pushing the wall escutcheon all the way to the wall.



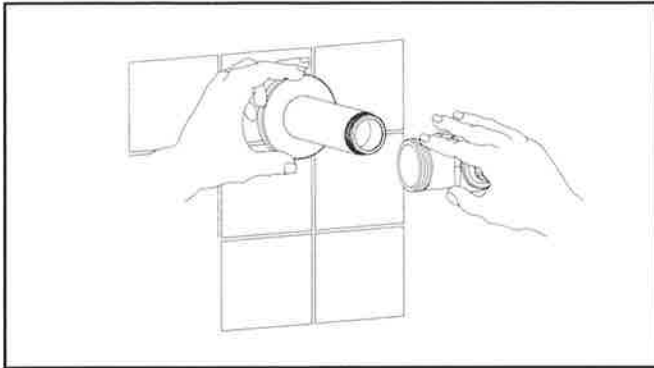
## STEP NO. 5

Screw control stop onto water supply water adaptor.

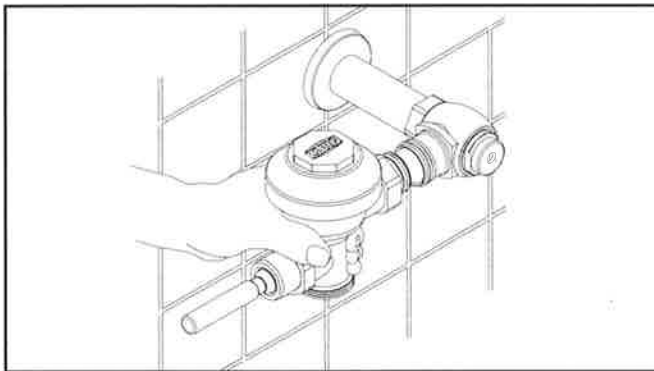


# AquaVantage® Installation Instructions

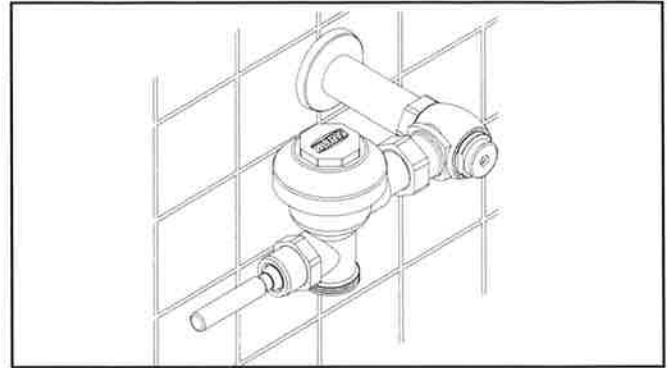
1. Install stop valve assembly using proper size supply escutcheon and sweat solder adapter kit if applicable (see 1). Thread sealing compounds should be used on male NPT threads only.



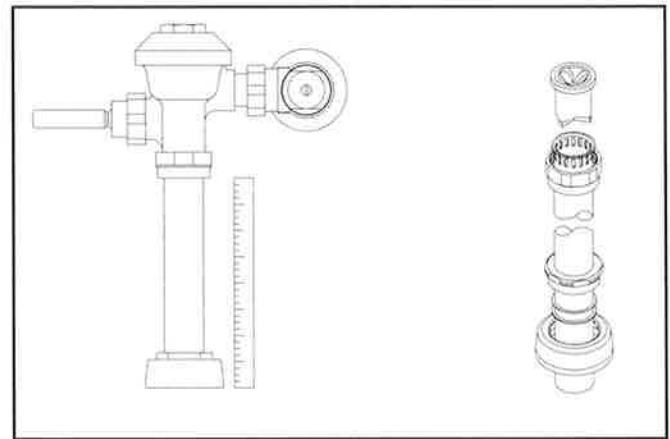
2. Prior to inserting the flush valve tailpiece into stop valve, be certain that the O-ring seal is located in O-ring seal groove at the end of the tailpiece and the locking nut and locking snap ring are located as shown below (see 2). Care should be taken not to damage the O-ring when inserting the tailpiece into the stop valve. If lubrication is needed, wetting the O-ring with water will be sufficient.



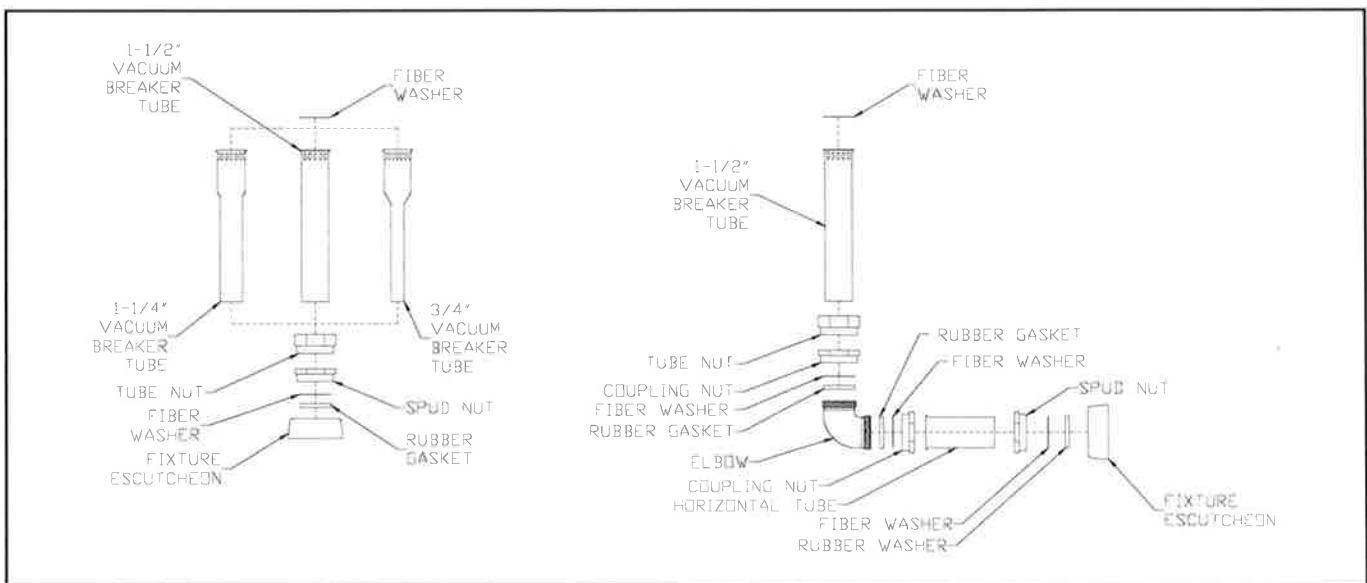
3. Insert the flush valve tailpiece into the stop valve and hand tighten the lock nut to the stop valve. Plumb the entire unit (see 3).



4. Determine the length of vacuum breaker tube required to join the flush valve and fixture spud. Cut the vacuum breaker tube, if required, to this length (see 4a). Assemble the vacuum breaker tube assembly and spud nut assembly to the flush valve and fixture spud (see 4b).

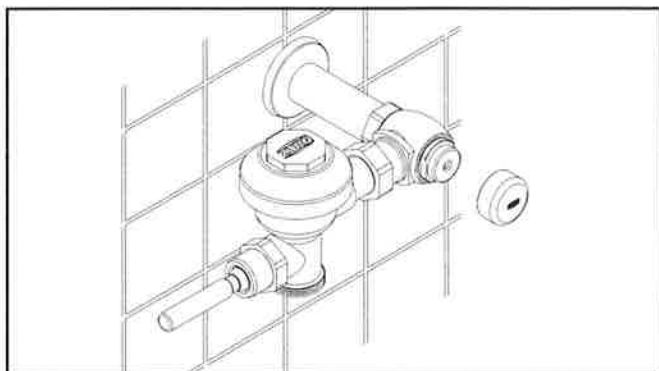
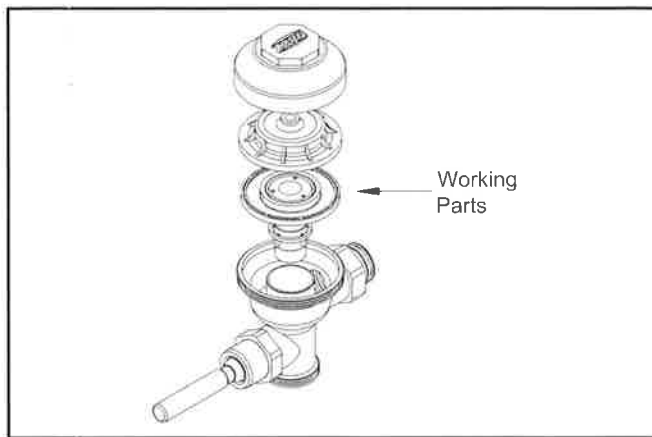


5. Hand tighten spud nut and vacuum breaker tube nut to fixture and flush valve. Adjust the valve assembly for plumb. Tighten fixture spud nut, vacuum breaker tube nut and lock nut with a wrench.



## AquaVantage® Installation Instructions

6. When all flush valves are connected to the fixtures and water pressure is available, it is recommended that the supply piping be flushed to remove dirt, pipe chips, etc. from system. Before the water is turned on, be sure all stop valves to the flush valves are closed off tight. The stop valves can be opened and closed by using the adjusting screw located at the center of the stop valve cap, behind the stop snap cap screw cover if already installed (see 6a). Stop valve adjustments can only be made by using the adjusting screw. **It is not necessary to remove the stop valve cap when making adjustments. If for any reason it becomes necessary to remove the stop valve cap, be certain the water is shut off at the main supply valve.**

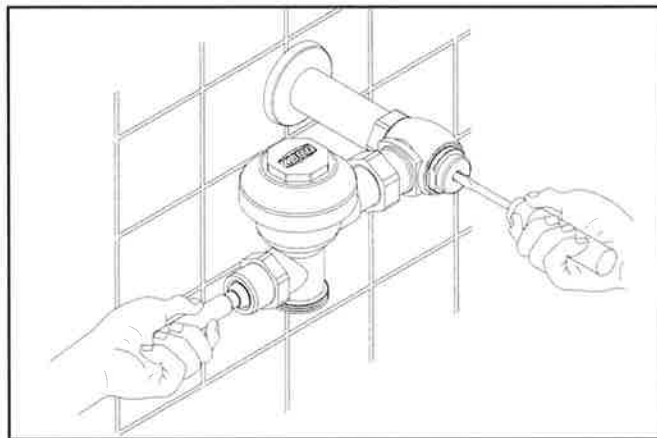


7. The Aquaflush flush valves are preset for fixture volume as marked on the valve cartons. The valve does not require regulation for variation in water pressure within its operating range. To set the flush valve for proper operation, gradually adjust the stop valve open, using the adjusting screw, while actuating the valve until the rate of water flow into the fixture is not excessive, yet is sufficient enough to adequately evacuate the waste. The final setting for urinals should be such that the fixture will not overflow when the valve is actuated in succession. The stop snap cap screw cover should be secured after final adjustments have been made.

Use the following procedure to flush out the supply piping:

- A. Remove the main valve body cover.
- B. Remove the working parts from the flush valve (shown in 6b).
- C. Replace the main valve body cover and plastic cover without reinstalling the working parts.
- D. Open the stop valve by using the stop adjusting screw, and flush out all debris from pipe and connections.
- E. Shut stop, open cover, replace the working parts, replace and tighten cover.

This procedure should also be followed when the system has been drained for some time, as occurs in athletic fields, recreation parks, etc.

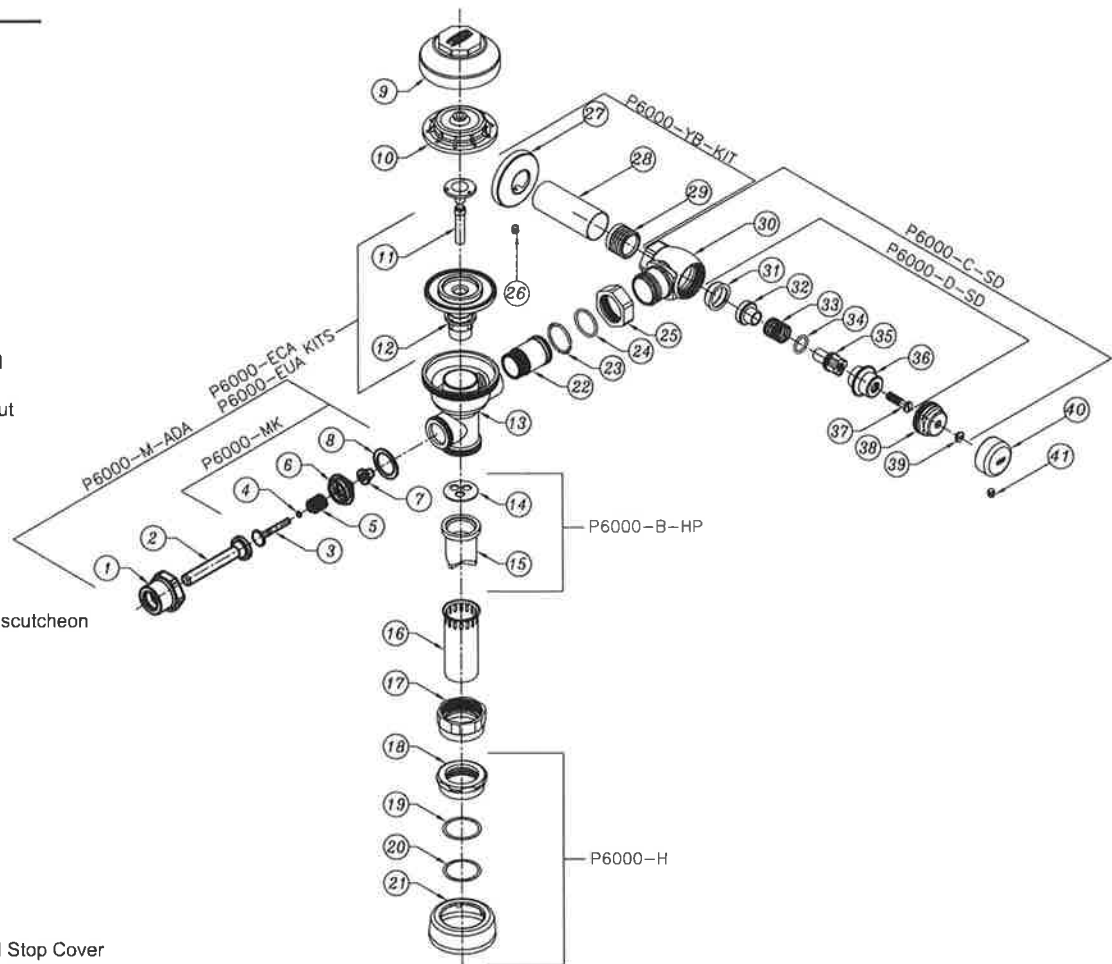




# AquaVantage® Repair Kits

## Part Identification

1. Handle Nut
2. Handle
3. Actuator Rod
4. Handle O-Ring
5. Handle Spring
6. Handle Seal Retainer
7. Handle Seal
8. Handle Gasket
9. Valve Body Cover
10. Plastic Wrap
11. Trip Mechanism
12. Diaphragm Assembly
13. Valve Body
14. Vacuum Breaker Insert
15. Vacuum Breaker Duckbill
16. Vacuum Breaker Tube
17. Vacuum Breaker Tube Nut
18. Spud Nut
19. Spud Friction Washer
20. Spud Sleeve
21. Spud Escutcheon
22. Tailpiece
23. Snap Ring
24. Tailpiece O-Ring
25. Locking Nut
26. Setscrew for Cast Wall Escutcheon
27. Cast Wall Escutcheon
28. Supply Cover Tube
29. Sweat Solder Adapter
30. Stop Body
31. Piston Seal
32. Piston Seal
33. Stop Spring
34. Guide O-Ring
35. Piston Guide
36. Guide Holder
37. Adjusting Screw
38. Stop Cap
39. Snap Cap Screw Cover
40. Vandal-Resistant Control Stop Cover
41. Setscrew for Control Stop Cover



Covers and Repair Kits	Product No.
Outside Cover - CP - Item 9	P6000-LL
Inside Cover - Item 10	P6000-L
HET Water Closet Kit - 1.28 gal. flush (PL Only)	P6000-ECA-HET
ULF Urinal Kit - 0.125 gal. flush (PL Only)	P6000-EUA-ULF
Low Consumption Closet Kit - 1.6 gal. flush	P6000-ECA-WS1
Water Saving Closet Kit - 3.5 gal. flush	P6000-ECA-WS
Full Flow Closet Kit - 4.5 gal. flush	P6000-ECA-FF
Low Consumption Urinal Kit - 1.0 gal. flush	P6000-EUA-WS1
Water Saving Urinal Kit - 1.5 gal. flush	P6000-EUA-WS
Full Flow Urinal Kit - 3.0 gal. flush	P6000-EUA-FF

Repair Parts - Inside Parts	Product No.
Urinal Relief Valve - Item 11	P6000-EU13
Closet Relief Valve - Item 11	P6000-EC13

AquaVantage Rebuild Kits	Product No.
Closet and Urinal Rebuild Kits Include Items 3-8, 11, 12, 24, 28-34	P6000-EC-WS-RK P6000-EC-WS1-RK P6000-EU-WS-RK P6000-EU-WS1-RK

Handle Assembly and Repair Kits	Product No.
ADA Handle Assembly (Side) Includes Items 1-8	P6000-M-ADA
Handle Repair Kit (Side) Includes Items 4-8	P6000-MK
Handle Seal Includes Item 8	P6000-M9
Handle Gasket Includes Item 9	P6000-M10
Repair Kit for Front Operation - Exposed Includes Items 4-9	P6000-MHK
Handle Assembly (Front) Includes Items 2-9	P6000-MH

Control Stop Repair Kit and Parts	Product No.
Control Stop Repair Kit for 1" and 34"	P6000-D-SD
Includes Items 31-37	
Seal Seat for 1" and 34", Includes Item 31	P6000-D42
VP Control Stop Repair Kit for 1" and 34", Includes Items 30-39	P6000-C-SD
Sweat Solder Connection with Cast Wall Flange, Includes Items 26-29	P6000-YB

Adjustable Tailpieces	Product No.
Adjustable Tailpiece for Standard Flush Valve Includes Items 22-25	P6000-J1
Tailpiece Coupling Assembly Includes Items 23-25	P6000-K
Tailpiece Locking Ring Includes Item 23	P6000-C30
Tailpiece O-Ring Includes Item 24	P6000-C31
Coupling Nut Includes Item 25	P6000-C32

Flush Connections and Spud Coupling Kits	Product No.
Flush Tube Assembly for Flush Valves Includes Items 14-16. Specify diameter and length.	P6000-A-HP
Vacuum Breaker Repair Kit Includes Items 14-15	P6000-B-HP
Spud Coupling Assembly Includes Items 18-21. Specify size.	P6000-H

# AquaVantage® Trouble Shooting Guide

Problem	Cause*	Corrective Action*
Valve will not operate.	1.) Stop valve is closed. 2.) Supply valve is closed.	1.) Open stop valve. 2.) Open supply valve.
Insufficient volume of water to adequately siphon fixture.	"1.) Stop valve is not open enough. 2.) Urinal trip mechanism installed in wrong kit, urinal for closet. 3.) Insufficient volume or pressure at supply.	1.) Open stop valve for desired volume of water. 2.) Replace urinal part with proper closet valve part. 3.) If gauges are not available to measure supply pressure or volume of water at the valve, completely remove the working parts and open the stop valve to allow water to pass through the empty valve. If the supply is adequate to siphon the fixture, the guide ring (#16) may be removed from the guide assembly to provide additional flow (see page 5). Should this prove unsatisfactory, steps should be taken to increase the pressure and/or supply.
Flush valve shuts off too quickly.	1.) Damaged or punctured diaphragm. 2.) Enlarged by-pass orifice. "	1.) Install new P6000-EUR or P6000-ECR replacement kit to remedy the problem. (#12 thru #17) 2.) Install new P6000-EUR or P6000-ECR replacement kit to remedy the problem. (#12 thru #17) "
Valve is short flushing.	1.) Diaphragm kit is not matched to the fixture, 2.) Urinal trip mechanism (black #12) is in the closet flush valve.	"1.) Install the proper P6000-EUR or P6000-ECR replacement kit to remedy the problem. (#12 thru #17) 2.) Install closet trip mechanism (white #12).
Valve is flushing too long or not shutting off.	1.) Trip mechanism not seating properly due to foreign material between trip mechanism and retainer disc. 2.) By-pass orifice is plugged or partially plugged. 3.) Line pressure is not adequate to force trip mechanism to seal. 4.) Cracked cover. (#11)	1.) Disassemble parts and rinse thoroughly. 2.) Examine by-pass orifice and clean if necessary being certain not to enlarge orifice opening. 3.) Pressure is inadequate or has dropped below minimum operating range. Steps should be taken to increase the line pressure. 4.) Replace cover with new one.
Water splashes out of fixture.	1.) Supply volume is more than is necessary. 2.) Lime accumulation on vortex or spreader holes of fixture.	1.) Adjust downward on control stop. 2.) Remove the lime build up.
Flush is not considered quiet.	1.) Control stop may not be adjusted for quiet operation. 2.) Fixture may be contributing to noise.  3.) Piping system may be source of noise.	1.) Adjust the control stop for quiet operation keeping in mind the fixture evacuation requirements. 2.) Check noise created by fixture by placing a cover over the bowl opening to separate valve noise from bowl noise. If it is determined the fixture is too noisy consult with fixture manufacturer. 3.) High pressure in the system can sometimes be controlled by the stop valve. Other sources of noise may be the absence of air chambers and shock arrestors, loose pipes, improper size pipes, etc. In these cases the building engineer should be consulted.
Handle assembly leaking.	1.) Handle assembly is not tight.	1.) Tighten handle assembly.
Water drips from chrome cap.	1.) P6000-L inside plastic cap is cracked.	1.) Replace P6000-L plastic cap.

## Care of Chrome Plated Surfaces

The suggested cleaning of chrome plated surfaces is simply to clean them with mild soap and water, then dry. Commercial cleaning compounds are never recommended.

## Seasonal Use

Valves used in installations subject to shut down because of cold and freezing conditions should be maintained in the following manner. After the main supply has been shut off and the water drained from the system, remove the stop valve cap and stop valve internals to allow the water to drain from the flush valve itself.

\*See previous page for numerical references.



**ZURN INDUSTRIES, LLC** COMMERCIAL BRASS OPERATION, 5900 ELWIN BUCHANAN DRIVE, SANFORD, NC, U.S.A. 27330  
PHONE: 1-800-997-3876 FAX: 919/775-3541 [www.zurn.com](http://www.zurn.com)  
**ZURN INDUSTRIES LIMITED** 3544 NASHUA DRIVE, MISSISSAUGA, ONTARIO L4V 1L2 PHONE: 905/405-8272 FAX: 905/405-1292



## Manual Handle Flush Valve Troubleshooting Guide

Problem	Cause	Corrective Action
Valve will not operate.	1.) Stop valve is closed. 2.) Supply valve is closed.	1.) Open stop valve. 2.) Open supply valve.
Insufficient volume of water to adequately siphon fixture.	1.) Stop valve is not open enough. 2.) Improper diaphragm kit installed. 3.) Insufficient volume or pressure at supply.	1.) Open stop valve for desired volume of water. 2.) Replace with proper gallons-per-flush diaphragm kit. 3.) Measure water pressure. If gauges are not available to measure supply pressure or volume of water at the valve, remove the trip component and reassemble the valve. Then, open the stop valve to allow water to pass through the empty valve. Should this prove unsatisfactory, steps should be taken to increase the pressure and/or supply.
Flush valve shuts off too quickly.	1.) Damaged or punctured diaphragm. 2.) Enlarged by-pass orifice. 3.) Improper diaphragm kit installed.	1.) Replace diaphragm kit. 2.) Replace diaphragm kit. 3.) Replace with proper gallons-per-flush diaphragm kit.
Valve is flushing too long or not shutting off.	1.) Trip mechanism not seating properly due to foreign material between trip mechanism and retainer disc. 2.) By-pass orifice is plugged or partially plugged. 3.) Line pressure is not adequate to force trip mechanism to seal. 4.) Cracked cover. 5.) Debris may be trapped on underside of diaphragm.	1.) Disassemble parts and rinse thoroughly. 2.) Examine by-pass orifice and clean if necessary being certain not to enlarge orifice opening. 3.) Pressure is inadequate or has dropped below minimum operating range. Steps should be taken to increase the line pressure. 4.) Replace cover with new one. 5.) Clean debris from diaphragm kit and be sure no damage has been done to diaphragm.
Water splashes out of fixture.	1.) Supply volume is more than is necessary. 2.) Lime buildup on vortex or spreader holes of fixture.	1.) Turn stop valve clockwise to reduce supply to desired volume. 2.) Remove the lime build up.
Flush is not considered quiet.	1.) Control stop may not be adjusted for quiet operation. 2.) Fixture may be contributing to noise. 3.) Piping system may be source of noise.	1.) Adjust the control stop for quiet operation keeping in mind the fixture evacuation requirements. 2.) Check noise created by fixture by placing a cover over the bowl opening to separate valve noise from bowl noise. If it is determined the fixture is too noisy consult with fixture manufacturer. 3.) High pressure in the system can sometimes be controlled by the stop valve. Other sources of noise may be the absence of air chambers and shock arrestors, loose pipes, improper size pipes, etc. In these cases the building engineer should be consulted.
Chattering noise in flush valve.	1.) The inside cover has been distorted by freezing or abuse.	1.) Replace both inside plastic cover and outside brass cover.
Handle assembly leaking.	1.) Handle assembly is not tight.	1.) Tighten handle assembly.

### Care of Chrome Plated Surfaces

The suggested cleaning of chrome plated surfaces is simply to clean them with mild soap and water, then dry. Commercial cleaning compounds are never recommended.

### Seasonal Use

Valves used in installations subject to shut down because of cold and freezing conditions should be maintained in the following manner. After the main supply has been shut off and the water drained from the system, remove the stop valve cap and stop valve internals to allow the water to drain from the flush valve itself.

### Replacement Parts

Use Zurn replacement parts. Use of any other parts may result in a decline in performance and water savings.

Rev. A | Date: 11/8/2022 | C.N. No. 144847 | Prod./Dwg. No. FV827

[zurn.com/patents](http://zurn.com/patents)

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**ZURN.COM**

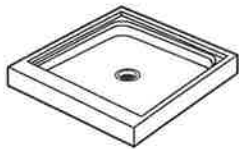
by **ZURN ELKAY** Water Solutions

**P-4**

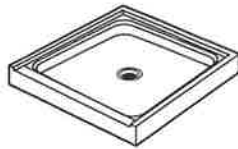
# Installation Instructions – Terrazzo Precast Shower Floors & Mop Basins



**DO NOT STACK OR STORE TERRAZZO FLAT**



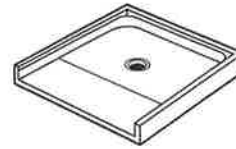
**MONTEREY**



**SIERRA**



**GIBALTAR**



**ADATN, ADAWN, WTR  
WHEELCHAIR ACCESS**



**MOP SERVICE BASIN**

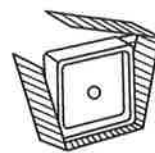
1. REMOVE CRATE AT INSTALLATION POINT. DO NOT ROCK TERRAZZO ON EDGES IN ORDER TO PREVENT DAMAGES TO CORNERS.
2. CHECK ALL SIDES OF PRODUCT FOR TRANSPORTATION DAMAGES.
- A: WIPE FACE OF THE TERRAZZO WITH A WATERED CLOTH.
- B: AFTER WATER EVAPORATES, CHECK FOR CRACKS OR DAMAGE.

**NOTE:** FIAT PRODUCTS IS NOT RESPONSIBLE FOR SHOWER INSTALLATIONS ADHERING TO A.D.A. GUIDELINES. CHECK LOCAL AUTHORITY FOR CODE AND INSTALLATION REQUIREMENTS.

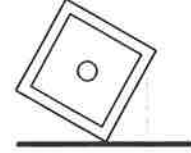
## LEVEL PRODUCT CAREFULLY

- 2A. ESTABLISH PROPER CLEARANCE BETWEEN UNIT AND WALL. PLACE A 1/2" LAYER OF MORTAR WHERE THE SHOWER FLOOR IS TO BE INSTALLED. THIS PROCEDURE IS REQUIRED BY FIAT TO PROVIDE SUPPORT OF THE UNIT IN CASE THE SUB FLOOR IS UNEVEN. LAYER OF GROUT SHOULD BE AT LEAST 1/4" THICK AND COVER ENTIRE AREA UNDER THE UNIT.
- 2B. ADAT AND ADAW SHOWERS ARE FOR A.D.A. OR PHYSICALLY CHALLENGED USE. THE SHOWER ENTRY SHOULD BE NO MORE THAN 1/4" HIGHER THAN THE FINISHED FLOOR OF THE ROOM. THE ADAT SHOWER SHOULD BE INSTALLED INTO A RECESSED PIT 2 INCHES DEEP TO MEET CODE REQUIREMENTS.
- 2C. IT IS RECOMMENDED THAT A FLOOR DRAIN AT OR NEAR THE ENTRANCE TO ALL ADAT, ADAW AND WTR SHOWER FLOORS BE INCLUDED.

## DO NOT LIFT SHOWER BY FLANGE



REMOVE CRATE WITH CARE



DO NOT STAND ON END



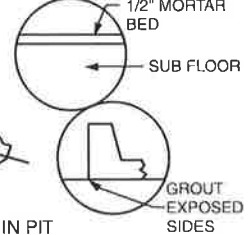
RECOMMENDED  
1/4" SPACE  
BY FIAT



DOTTED AREA  
IS FOR  
SHOWER FLOOR



ADAT BASE INSTALLED IN PIT  
For the Physically Challenged



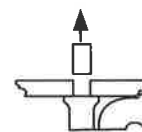
**FAILURE TO INSTALL TERRAZZO ON A 1/2" MORTAR BED WILL VOID WARRANTY.**

## WARNING

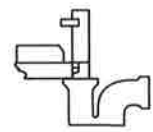
3. DO NOT DROP UNIT OVER EXPOSED PIPE. IT IS ADVISABLE TO REMOVE DRAIN PIPE AND SET UNIT IN PLACE. INSERT PIPE THROUGH DRAIN IN FLOOR BACK INTO "P" TRAP.
- TIGHTEN METAL CONNECTIONS WITH AN INTERNAL PIPE WRENCH.  
IF USING PLASTIC WASTE PIPE, FIT AND SOLVENT WELD.



DO NOT DROP  
ON PIPE



REMOVE PIPE  
FROM TRAP



REINSERT PIPE & TIGHTEN  
WITH AN INTERNAL WRENCH

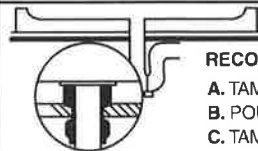
## 4A. METHOD OF DRAIN CONNECTION: PLASTIC OR METAL WASTE PIPE

WHEN USING PLASTIC WASTE PIPE, IT IS NECESSARY TO USE THE QDC QUICK DRAIN CONNECTOR.

INSTALL PIPE THROUGH RECEPTOR.

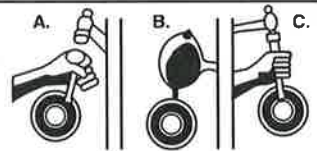
LUBRICATE QDC CONNECTOR WITH SOAP, STRETCH QDC CONNECTOR OVER PIPE WITH LETTERS FACING UP.

TAMP CONNECTOR WITH A HAMMER AND PIECE OF WOOD. WORK AROUND CONNECTOR WITH A SERIES OF BLOWS UNTIL IT BOTTOMS. TOP OF PIPE SHOULD BE EVEN WITH TOP OF CONNECTOR.



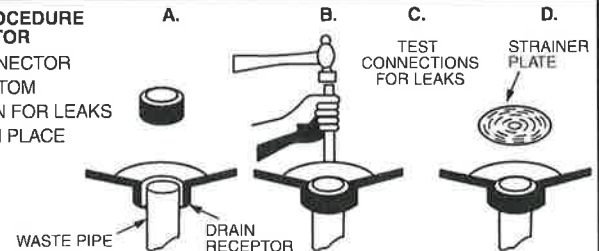
### RECOMMENDED PROCEDURE

- A. TAMP OAKUM TO 5/8" DEPTH
- B. POUR MOLTEN LEAD
- C. TAMP LEAD CAREFULLY



### RECOMMENDED PROCEDURE QDC CONNECTOR

- A. INSTALL QDC CONNECTOR
- B. TAMP QDC TO BOTTOM
- C. TEST CONNECTION FOR LEAKS
- D. SNAP STRAINER IN PLACE



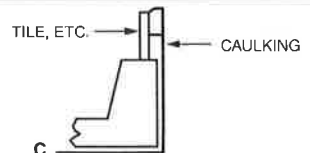
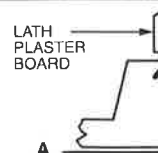
## 4B. METHOD OF DRAIN CONNECTION: METAL WASTE PIPE

USE OAKAM AND MOLTEN LEAD.

THIS LEAD CAULKED JOINT PERMITS LIMITED MOVEMENTS SUCH AS NORMAL STRUCTURAL SETTLEMENT WITHOUT LEAKAGE.

## WARNING: MODELS WITH TILING FLANGE OPTIONS

- 5A. DO NOT LET ROUGH WALL MATERIAL OVERLAP FLANGE.
- 5B. DO NOT ATTACH FLANGE TO BUILDING.
- 5C. LET FINISHED WALL (TILE, ETC) OVERLAP AND REST ON SHOULDER.



## **Sealers - New Installations**

Immediately following installation of a new floor or thorough cleaning of an older floor, the floor must be sealed with a penetrating sealer. Such sealers are available at paint or tile stores and **must** state that they are approved for use on Terrazzo products. Sealers are not permanent and can be reapplied (after a thorough cleaning) approximately once a year, or as recommended by the manufacturer of the sealer.

## **RECOMMENDED CLEANING & MAINTENANCE PROCEDURES FOR TERRAZZO PRECAST SHOWER FLOORS AND MOP SERVICE BASINS**

### **Regular Cleaning**

To maintain the original terrazzo surface appearance, clean regularly with a liquid detergent such as Joy, Liquid Ajax, or Spic n Span (for the latter, prepare a solution containing 1/2 cup of Spic n Span in a gallon of water). Scrub with a stiff bristled, non-metallic scrub brush and then rinse thoroughly.

**NOTE:** Do not use any acid (ie, muratic) or cleaning agents that contain acid.

### **Special or Unusual Conditions**

- |   |  |
|---|--|
| <b>A.</b> Scum on Surface caused by soap, makeup, etc.: | Use a cleaning powder, such as Ajax, plus lots of elbow grease.  |
| <b>B.</b> Surface cleaning:                             | Heel marks, plaster, etc. may require abrasive removal. This can be done with a wet emery cloth. If emery cloth is ineffective, use an 80 to 100 grit aluminum oxide coated paper. Abrasive cloth or paper will result in a very faint grinding away of the floor surface. |
| <b>C.</b> Penetrated stains:                            | Stains such as caused by oil, putty, etc., may be removed by scouring with a cleanser and then soaking floor overnight, if need be, with a commercial bleach such as Linco, etc.   |

## **FIAT PRODUCTS, LLC. LIMITED ONE YEAR WARRANTY FOR PERSONAL RESIDENTIAL AND COMMERCIAL USE OF FIAT® PRODUCTS**

### **WARRANTY COVERAGE**

FIAT Products warrants products against defects in material and workmanship under both normal residential and commercial use for as long as it is owned by the original purchaser for a period of one (1) year from the date of first purchase.

This warranty is provided for the exclusive benefit of the initial consumer purchaser or owner. This warranty is non-transferable to subsequent purchasers or owners. The sole exception to the non-transferability of this warranty is that if this product is purchased by a plumber, contractor or other service provider, this warranty extends to the first residential or commercial property owner on whose behalf the product was purchased for installation. This warranty applies only to FIAT® Products installed in the United States of America or Canada.

If a defect arises and a valid claim is received, FIAT Products, at its option, will either (1) repair the product, (2) replace the product or any part therein with a FIAT product of equal or similar type and size, or (3) refund to the consumer the wholesale price of the product. If FIAT Products elects to refund the wholesale price to the consumer, FIAT Products shall have no further obligation to its wholesale customer, or any contractor with respect to such product. Goods proven to be defective will be replaced after proper inspection, but no claims for damages incurred or for work done thereon will be allowed. Replacements when supplied will be shipped at no cost to the consumer.

### **EXCLUSIONS AND LIMITATIONS**

1. This warranty only applies to products purchased through an authorized FIAT® Products dealer or re-seller.
2. This warranty does not apply to defects or damage caused by non-genuine FIAT parts, installation error, product abuse, product misuse, improper maintenance, improper care or cleaning, improper repair or installation, and/or movement or transfer of the product from its original installation location (whether performed by you, a plumber, a contractor or a service company). Because improper care and cleaning can cause significant damage to the product, it is strongly recommended that you follow the Care and Cleaning Instructions (as well as the other instructions).
3. FIAT Products is not responsible for labor charges and/or damage incurred during installation, repair, or replacement.
4. FIAT Products does not warrant that this product and/or its installation complies with local code requirements. FIAT Products recommends that you consult with a plumbing contractor about local code requirements.

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER ORAL OR WRITTEN, STATUTORY, EXPRESS, OR IMPLIED. FIAT PRODUCTS HEREBY EXCLUDES SPECIAL, INCIDENTAL AND CONSEQUENTIAL DAMAGES FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY APPLICABLE TO THIS PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state (or province, as applicable).

### **OBTAINING WARRANTY SERVICE**

If you feel you have a warranty claim, contact FIAT Products, either through an authorized FIAT Products dealer or re-seller, or by writing:

#### **In the United States and Canada:**

FIAT Products, LLC  
4515 E. 139th St.  
Grandview, MO 64030

Please be sure to provide all pertinent information regarding your claim, including a complete description of the problem, the product, model number, color, finish, purchase date, and from whom the product was purchased.

For other information, call (833) 549-2887 (in the United States and Canada) or visit [www.fiatproducts.com](http://www.fiatproducts.com).



#### Limited One Year Warranty

T&S warrants to the original purchaser (other than for purposes of resale) that such product is free from defects in material and workmanship for a period of one (1) year from the date of purchase. During this one-year warranty period, if the product is found to be defective, T&S shall, at its options, repair and/or replace it. To obtain warranty service, products must be returned to...

*T&S Brass and Bronze Works, Inc.  
Attn: Warranty Repair Department  
2 Saddleback Cove  
Travelers Rest, SC 29690*

Shipping, freight, insurance, and other transportation charges of the product to T&S and the return of repaired or replaced product to the purchaser are the responsibility of the purchaser. Repair and/or replacement shall be made within a reasonable time after receipt by T&S of the returned product. This warranty does not cover items which have received secondary finishing or have been altered or modified after purchase, or for defects caused by physical abuse to or misuse of the product, or shipment of the products.

Any express warranty not provided herein, and any remedy for Breach of Contract which might arise, is hereby excluded and disclaimed. Any implied warranties of merchantability or fitness for a particular purpose are limited to one year in duration. Under no circumstances shall T&S be liable for loss of use or any special consequential costs, expenses or damages.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Specific rights under this warranty and other rights vary from state to state.

P/N: 098-009518-45 Rev.2  
Date: 05-15-06  
Drawn: TEH  
Checked: DHL 07-13-06  
Approved: JHB 07-13-06

# Installation and Maintenance Instructions



## Surgical Sink and Service Sink Faucets with Built-In Stops B-0665-BST Series

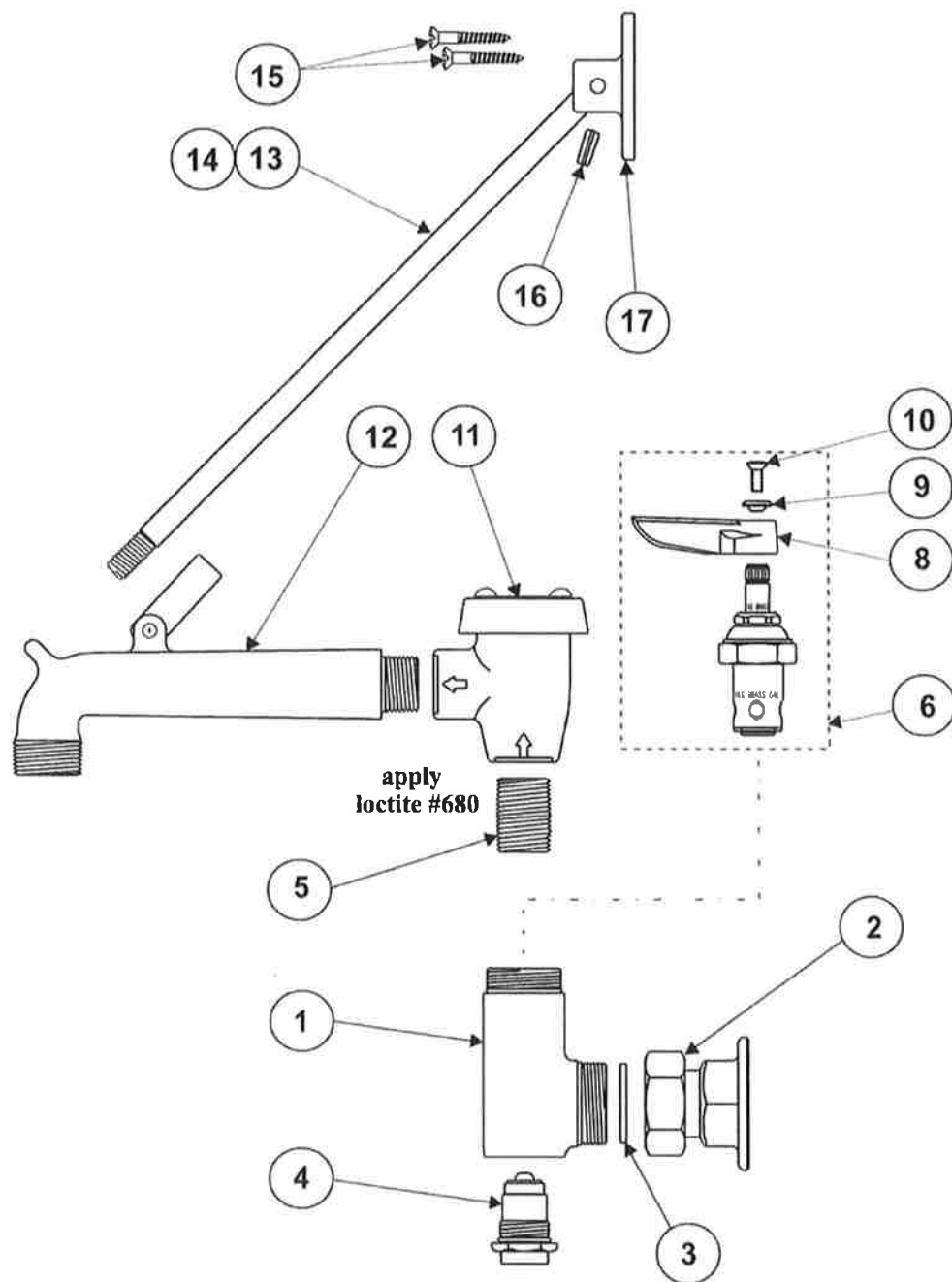
**Deutsch: Installations- und  
Wartungsanleitungen**

**Español: la Instalación y las  
Instrucciones de  
Mantenimiento**

**Français: les Instructions  
d'Installation et  
d'Entretien**



# Exploded View




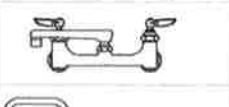
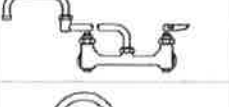



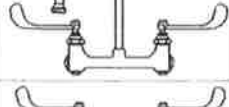
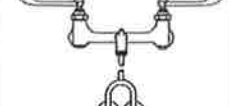
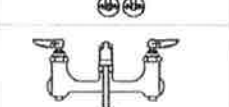
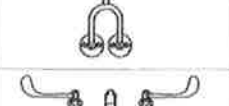
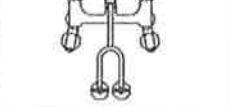
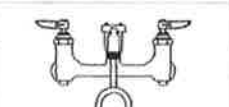
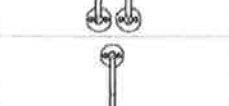
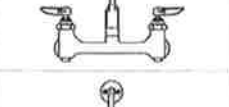
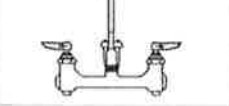



\* Some items are listed for instructional purposes and may not be sold as separate parts.

# Part Number Guide

## ***Service Sink Faucet Assemblies***

1	Asm, Base Faucet	B-0665-BSTP
	Body, Faucet	*
2	Asm, Flange Coupling	002893-40
3	Washer, Coupling Flange	001019-45
4	Asm, BST Spindle & Insert	163A
5	Nipple, Close 1/2 HWL	002534-25
6	Asm, Eterna w/ Spring Checks & Handle (Cold)	002711-40
	Asm, Eterna w/ Spring Checks & Handle (Hot)	002712-40
8	Handle, Lever (Blank)	001638-45
9	Index, Button (Red / Hot)	001661-45
	Index, Button (Blue / Cold)	001660-45
10	Screw, Handle	000922-45
11	Asm, Vacuum Breaker, 1/2"	B-0969
12	Spout	*
13	Asm, Upper Nozzle Support	009546-40
14	Rod, Support	005060-40
15	Screw, Wall Mount	000915-45
16	Pin, Coiled 3/16" x 1/2" S.S.	004713-25
17	Flange	003007-40

## Models with Built-In Stops (-BST)

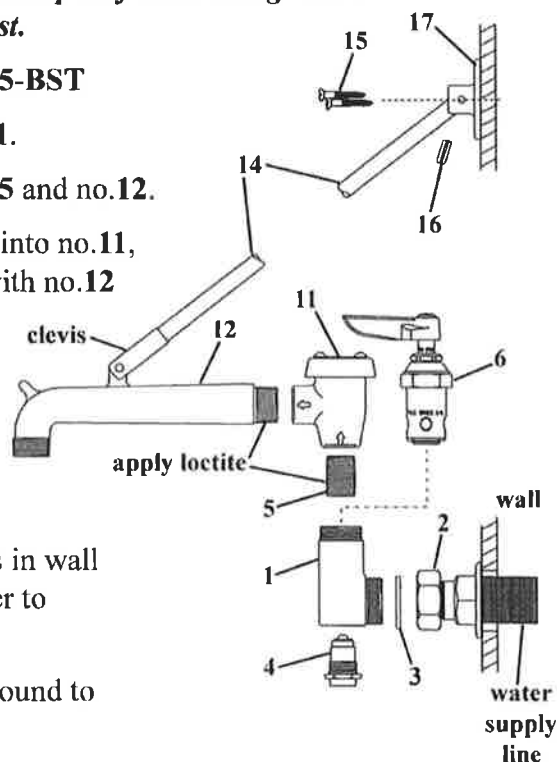
	<b>B-0230-BST</b> Sink mixing faucet with 18" swing nozzle; lever handles
	<b>B-0231-BST</b> Sink mixing faucet with 12" swing nozzle; lever handles
	<b>B-0232-BST</b> Sink mixing faucet with 16" swing nozzle; lever handles
	<b>B-0234-BST</b> Sink mixing faucet with 6" cast spout; lever handles
	<b>B-0265-BST</b> Combo sink faucet w/ 18" double-joint swing nozzle
	<b>B-0266-BST</b> Combo sink faucet w/ 15" double-joint swing nozzle
	<b>B-0267-BST</b> Combo sink faucet w/ 12" double-joint swing nozzle
	<b>B-0330-BST</b> Combo sink faucet w/ rigid gooseneck; lever handles
	<b>B-0331-BST</b> Combo sink faucet w/ swivel gooseneck; lever handles
	<b>B-0350-BST</b> Surgical sink fct w/rigid gooseneck; 6" WH; rosespray
	<b>B-0351-BST</b> Surgical sink fct w/rigid gooseneck; 6" WH; stream reg.
	<b>B-0352 &amp; -04</b> Surgical sink fct w/rigid GN; 6" & 4" WH; rosespray
	<b>B-0353 &amp; -04</b> Surgical sink fct w/rigid GN; 6" & 4" WH; stream reg.
	<b>B-0363</b> Service sink fct w/VB nozzle; 6" WH; bottom brace
	<b>B-0650-BSTP</b> Service sink fct w/pail hook nzl; btm brace; polished
	<b>B-0650-BSTR</b> Service sink fct w/pail hook nzl; btm brace; rough
	<b>B-0652</b> Service sink fct; 6" wrist-action handles; bottom brace
	<b>B-0655-BSTP</b> Service sink fct w/VB nozzle; bottom brace; polished
	<b>B-0655-BSTR</b> Service sink fct w/VB nozzle; bottom brace; rough
	<b>B-0657-BST</b> Service sink fct w/VB nozzle; 6" WH; bottom brace
	<b>B-0660-BSTP</b> Service sink fct w/pail hook nozzle; top brace; polished
	<b>B-0660-BSTR</b> Service sink fct w/pail hook nozzle; top brace; rough
	<b>B-0665-BSTP</b> Service sink fct w/VB & pail hook; top brace; polished
	<b>B-0665-BSTR</b> Service sink fct w/VB & pail hook; top brace; rough
	<b>B-0674-BSTP</b> Service sink fct w/VB & pail hook nozzle; polished
	<b>B-0674-BSTR</b> Service sink fct w/VB & pail hook nozzle; rough

# General Instructions

**Note:** This is a general instructional example of units using -BST. Nozzles should be installed on unit first.

## Nozzle Installation: ex. model B-0665-BST

1. Remove no.6 from both sides of no.1.
2. Apply Loctite #680 to threads of no.5 and no.12.
3. Insert no.12 into no.11. Thread no.5 into no.11, then rotate no.11 into no.1 until tight with no.12 facing front of sink.
4. Replace no.6 into no.1 following nozzle installation.



## Faucet Installation:

5. Shut off water supply and drain lines. Drill (2) two 7/8" [2.2 cm] holes in wall or backsplash of sink, 8" [20 cm] center to center, where you are installing no.1.
6. Apply teflon tape or pipe joint compound to threads of water supply lines.
7. Remove no.2 from no.1 and attach no.2 to water supply lines flush against wall. Tighten by hand. **Trim supply lines if necessary.**
8. Attach no.1 to no.2, adjusting center to center fit by turning no.2 if needed. **Make sure no.3 remains in place.** Tighten no.2 firmly with a wrench.
9. Turn on water supply and check for leaks.

## Upper Nozzle Support Installation:

10. Attach no.14 to no.12 by screwing no.14 into *clevis* on no.12.
11. Position no.17 against wall. Mark holes and secure no.17 to wall using no.15.

## Adjusting Built-in Stops:

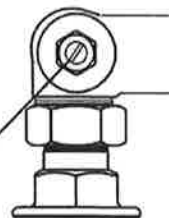
Insert a screwdriver to adjust no.4 at the base of no.1 on each side. **Water should be turned on for this procedure.**

Close Stop  
turn clockwise



Open Stop  
turn counter-clockwise

no.4 adjusting screw



Bottom view of faucet body and Built-in Stop

**P-5**

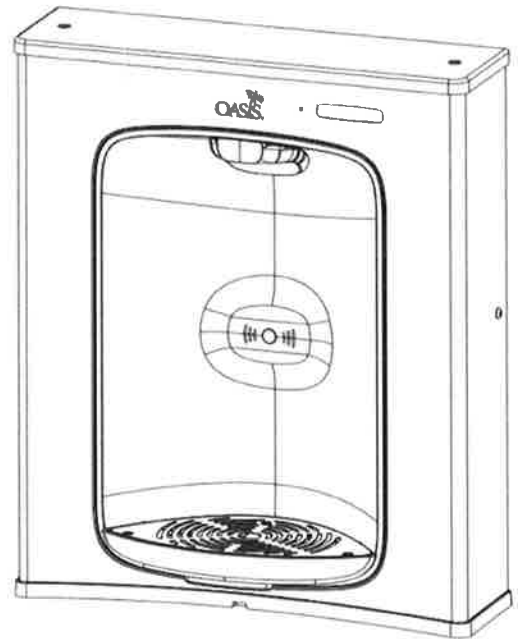


## **VERSAFILLER®**

### **Drinking Fountain/VersaFiller Combo Installation Instructions**

#### **Models:**

- **PWEBF**
- **PWFEBF with VersaFilter III**



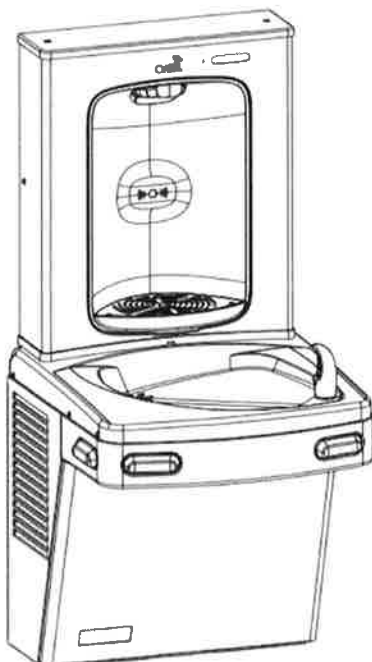
The Hands-Free VersaFiller is an extension of the Aqua Pointe® product line that mounts directly above Versacooler® I and II products.

If installed onto a refrigerated cooler, chilled water can be dispensed through the VersaFiller. Otherwise, room temperature water will be dispensed.

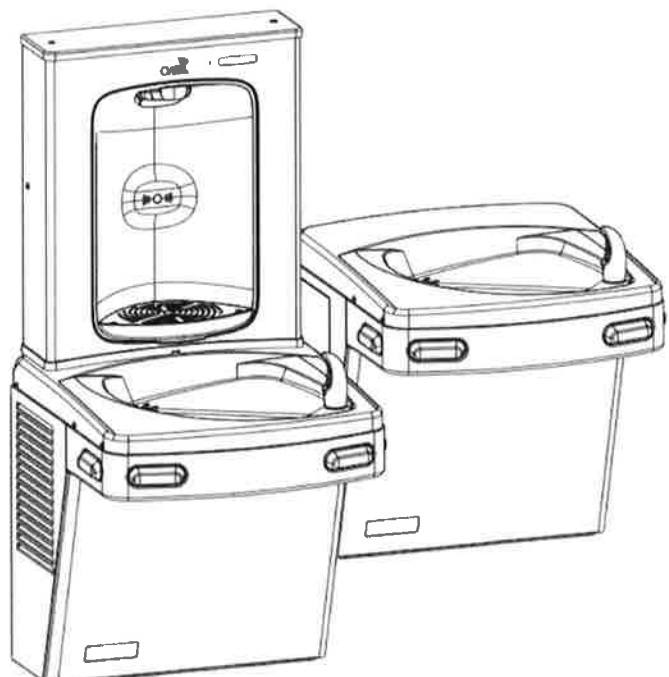
The VersaFiller is shipped partially assembled.

On the combo units, the cooler is plumbed and ready to attach to the VersaFiller.

**When completed, the finished assembly will look like this:**

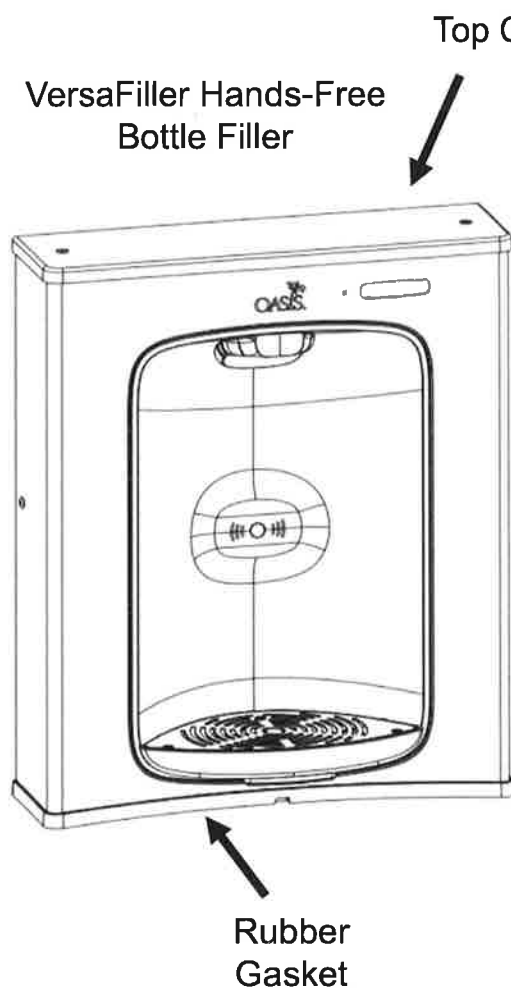


OR

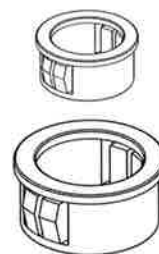


## Section 1: Getting Started

### What's Included:



38" of 1/4" OD plastic tubing with 38" of sponge tubing insulation



Snap bushings 7/8" and 1 1/2"



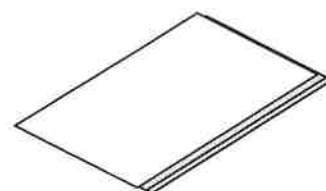
Quick connect tee fitting



Quick connect elbow fitting



VersaFilter III  
(Model PWFEFB only)



Installation instructions

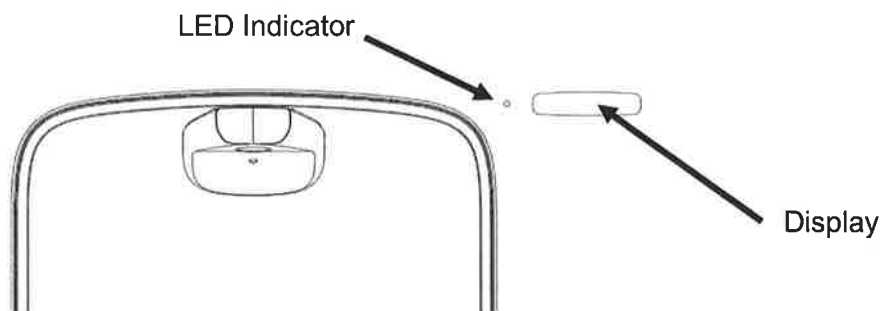
### Tools required:

- 3/8" pilot drill and either a step drill bit up to 7/8" diameter that will drill through SS top or 7/8" diameter punch die (retrofit version only)
- Electric drill; wrench for punch die
- Small tubing cutter for copper tube
- 1/4" nut driver
- #2 Phillips screwdriver
- #15 torx bit driver

## Section 2A: IMPORTANT REQUIREMENT

**CAUTION: ENSURE BOTTLE FILLER IS PROPERLY GROUNDED. IT IS REQUIRED TO ATTACH THE LONG GREEN GROUND WIRE TO THE FRAME ASSEMBLY. REFER TO THE STEPS DESCRIBED ON STEPS 3-5 ON PAGE 20.**

## Section 2B: LED Indicator Key

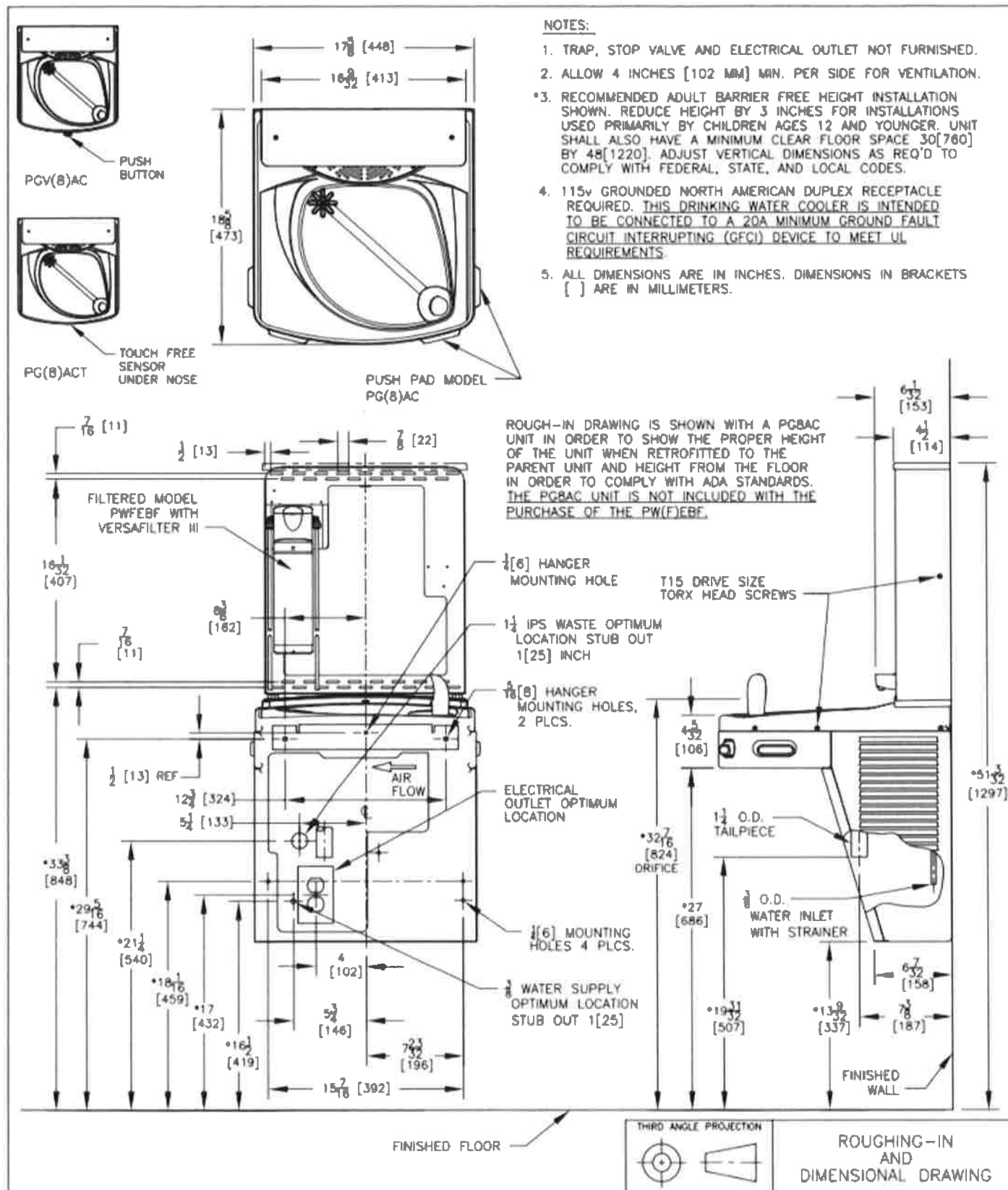


LED Color	Display	Condition	Action
Green	"BOTTLES SAVED"	Standby mode – filter life <80% used.	No action needed.
Yellow	"BOTTLES SAVED"	Standby mode – filter life >80% used but <100%.	Order new filter.
Red	"BOTTLES SAVED"	Standby mode – filter life =100% used.	Replace the filter.



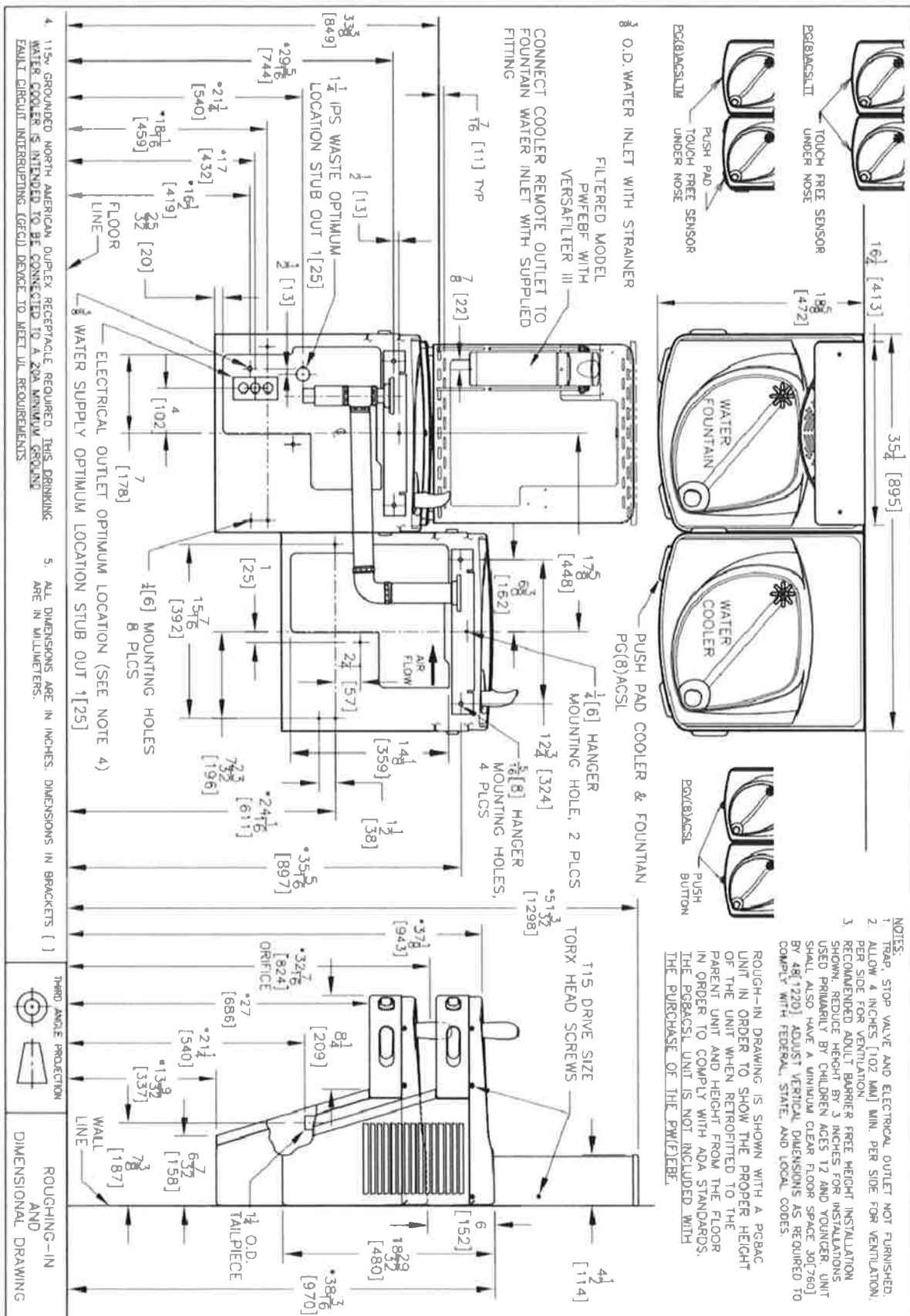
## Section 3: Rough In Drawing

### Oasis PWEBF & PWFEBF: Versacooler® II Models PGAC, PG8AC, PGVAC, PGV8AC, PGACT, PG8ACT with Hands-Free VersaFiller



## Section 3: Rough In Drawing

### Oasis PWEBF & PWFEBF: Versacooler® II Split Level Models with Hands-Free VersaFiller



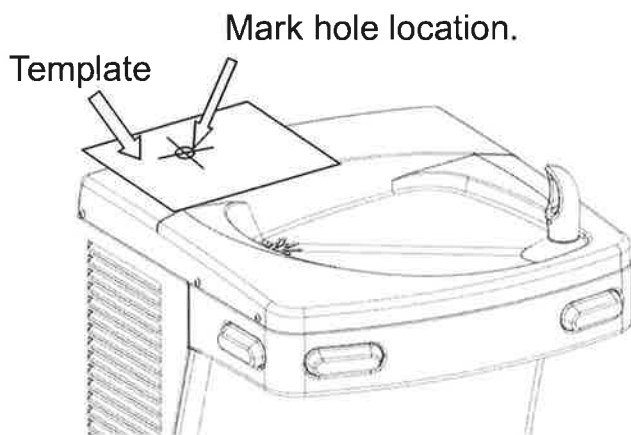
\* On split level models, the VersaFiller must be mounted on the low unit in order to meet ADA guidelines

## Section 4A: Installation

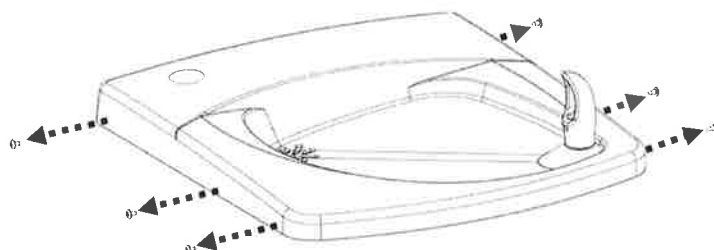
**Note: Proceed to Sect 3B Step 5 “Final steps for both product families” if the cooler is purchased “VersaFiller ready”.**

### **A: Drilling hole in the top for water line connection.**

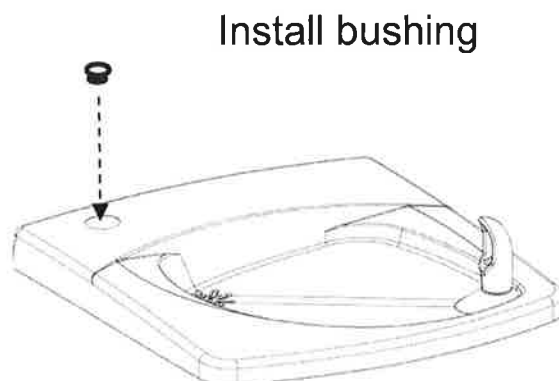
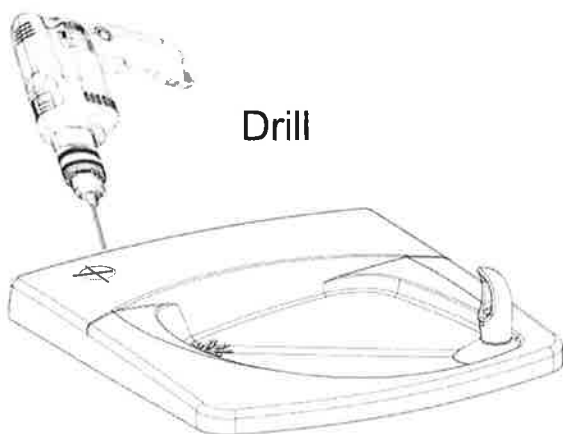
1. Disconnect power by UNPLUGGING unit. It might be necessary to remove the front panel to get access to the power.
2. Turn OFF water supply to the unit. It might be necessary to remove the front panel to access the water stop valve.
3. Place hole template onto cooler top so it is aligned with the left side of unit and wall. SEE NEXT PAGE FOR TEMPLATE
4. Mark hole location
5. Remove top from unit.

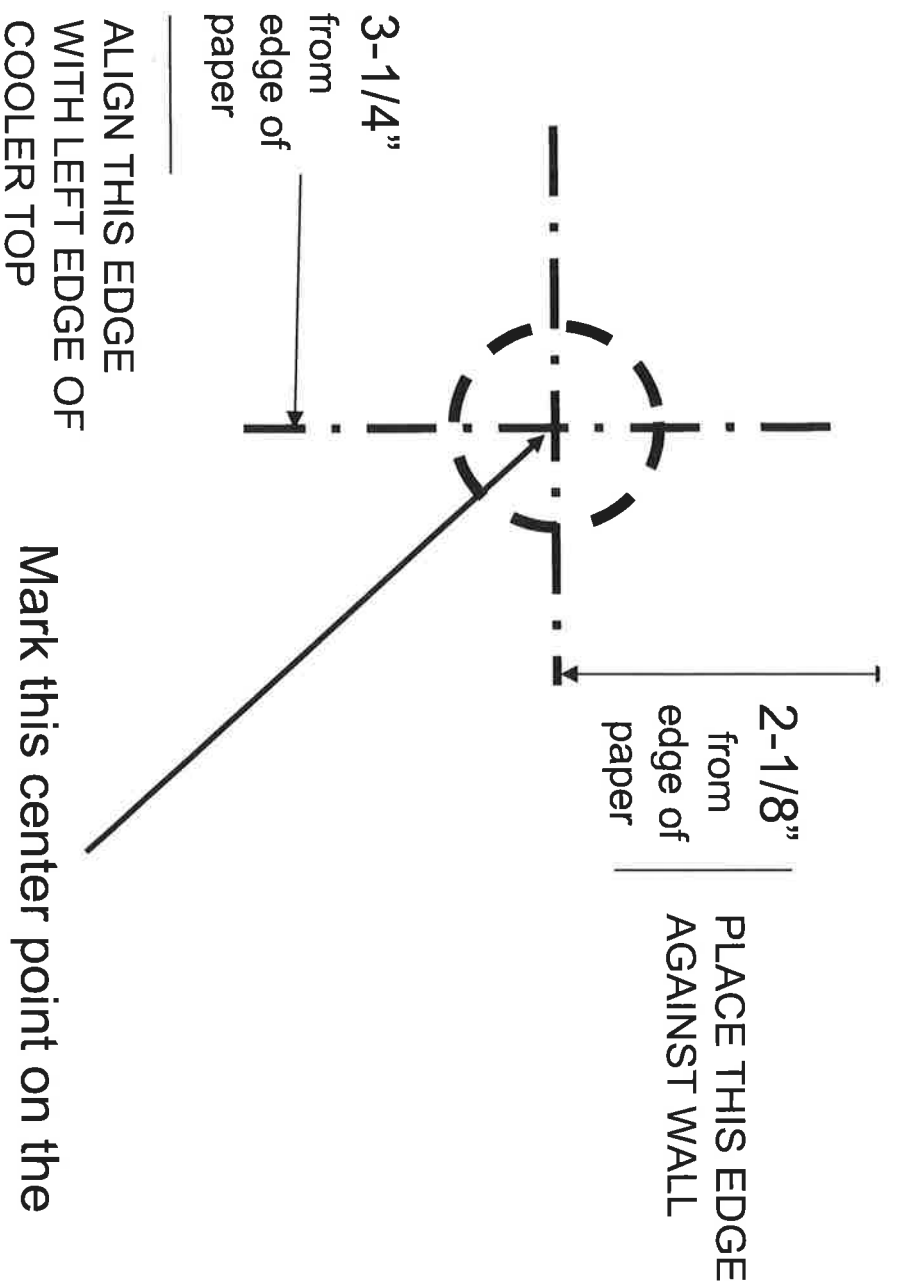


Remove top from cooler by removing six, #15 torx head screws on sides of top.



6. Using a step drill bit or 7/8" punch die, make a 7/8" hole through top. You may want to drill a pilot hole to get these started.
7. Install snap bushing into hole to protect tubing from being cut.



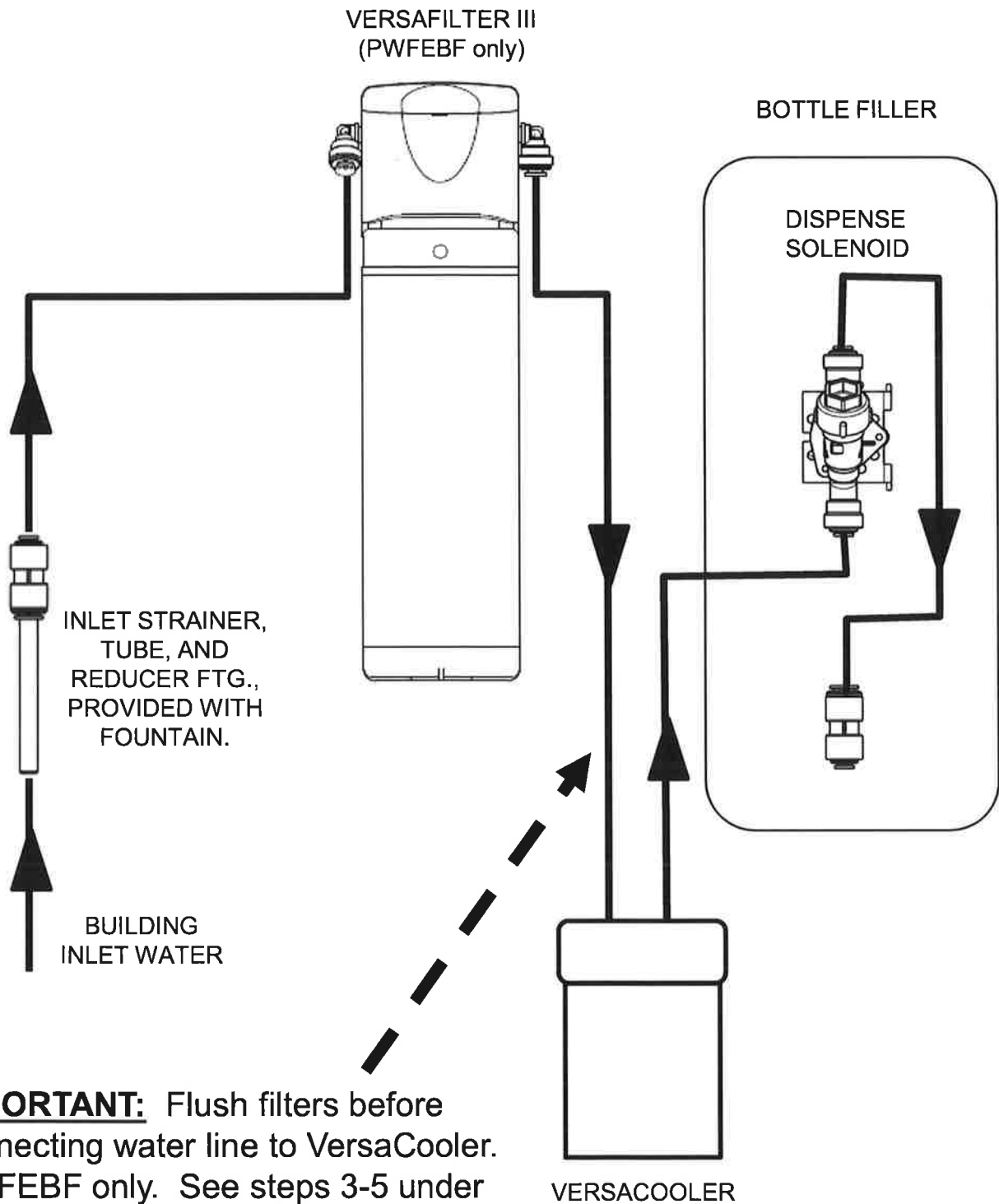


Mark this center point on the top. Remove the top from the cooler. Then create a 7/8" diameter hole through the top at the marked center point (step drill bit or punch die).

USE THIS TEMPLATE TO MARK THE HOLE LOCATION ON COOLER TOP

## Section 4A: Installation

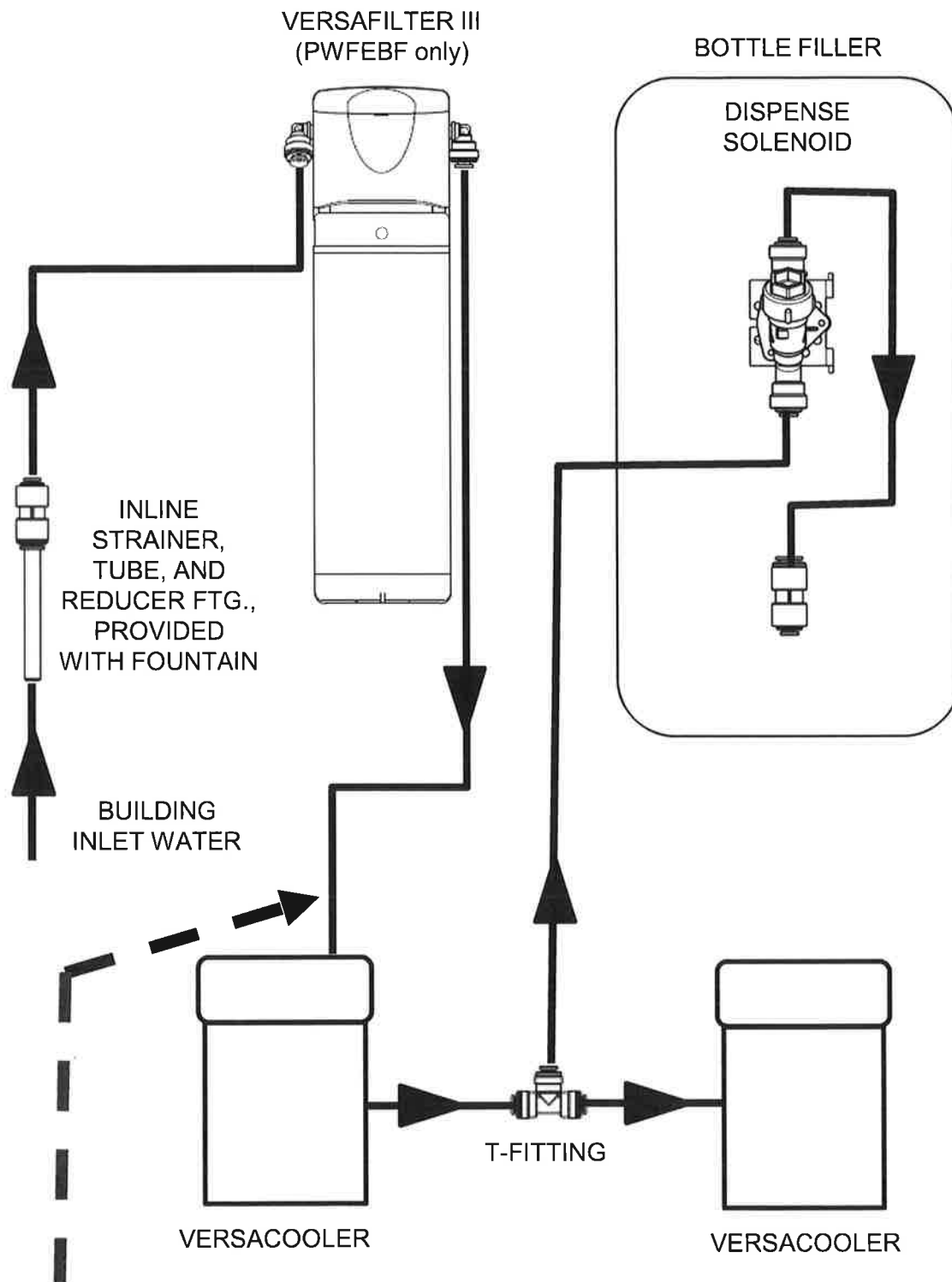
### Versacooler to Bottle Filler Plumbing Diagram



**IMPORTANT:** Flush filters before connecting water line to VersaCooler. PWFEFB only. See steps 3-5 under Section 4D on page 17.

## Section 4A: Installation

### Two Versacoolers to Bottle Filler Plumbing Diagram



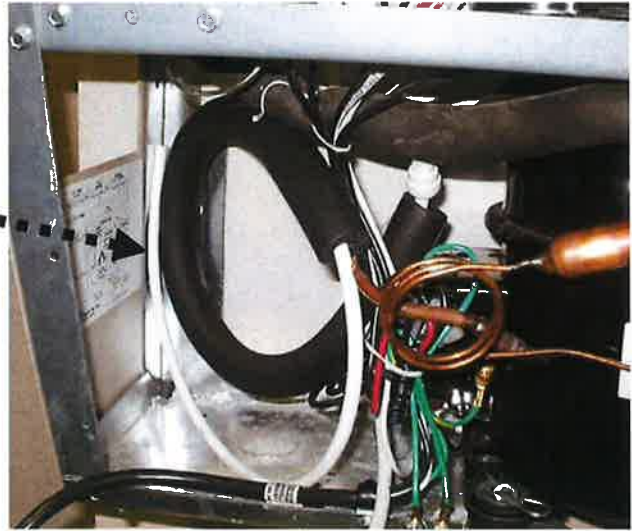
**IMPORTANT:** Flush filters before connecting water line to VersaCooler. PWFEFB only.  
See steps 3-5 under Section 4D on page 17.

### B: Connecting the water line

**Note: If you are retrofitting the Versafiller to an existing cooler, follow the instructions starting on page 11.**

For the single “Versafiller ready” cooler, the tube to connect to the Versafiller is found inside the access panel (the compressor compartment) or found inside the Bottle Filler. This tube supplies cold water from the cooling tank to the Versafiller.

1/4" OD tube to connect  
to Versafiller

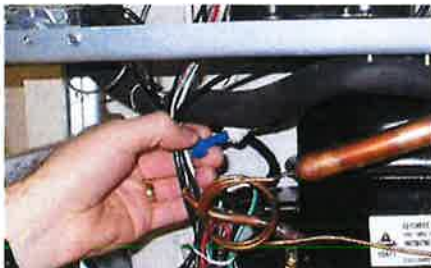


For split level “Versafiller ready” coolers, the tube to plumb in the Versafiller is packaged in the dummy unit or found inside the Bottle Filler.

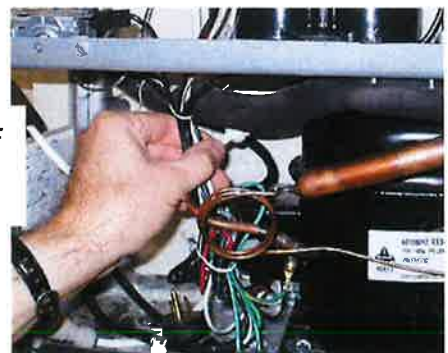
Remove tube from bag.



First, remove plug from  
fitting on tank drain



Next, insert end of  
tube into fitting.





The tee and tube to the Versafiller are packaged with the PWEBF unit. One branch of the tee will supply the valve on the dummy unit, the other branch of the tee will connect to the Versafiller.

If a filter is being installed, cut a piece of tubing about 3" long to insert (optional) flow switch right after filter and before tee. This allows Versafiller counter to accurately calculate amount of water passing through filter.

Tube to connect valve  
on dummy unit



Tube to connect  
Versafiller



Tube to connect chilled  
water to dummy unit  
and Versafiller

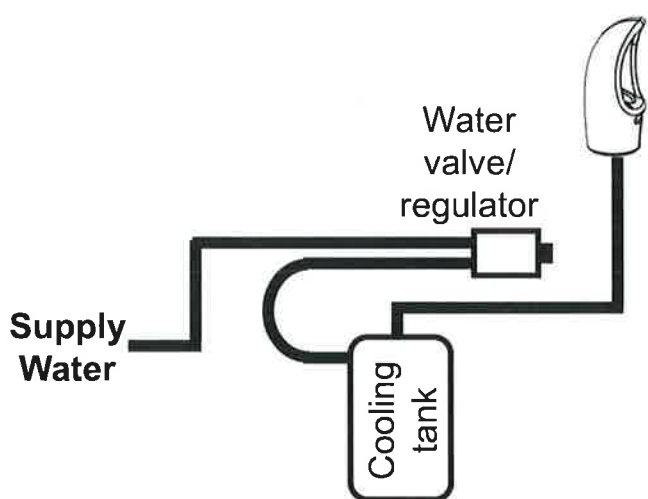


Go to Step 5 "Final steps for both product families:"

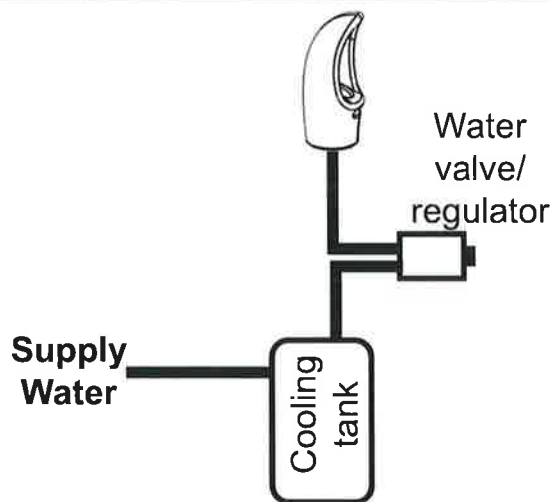


To retrofit the Versafiller to an existing unit, follow the instructions below:

If the cooling tank is non-pressurized, then go to the “Pressurizing the cooling tank” addendum section. Otherwise, proceed to step 1 below. Non-pressurized units are single units made since December of 2009. Refer to the schematic below to identify the system that you have.



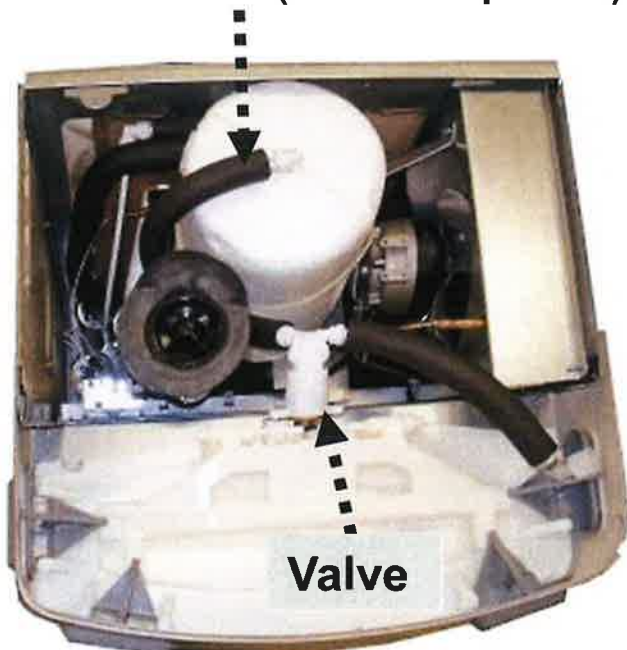
**NON-PRESSURIZED COOLING TANK**



**PRESSURIZED COOLING TANK**

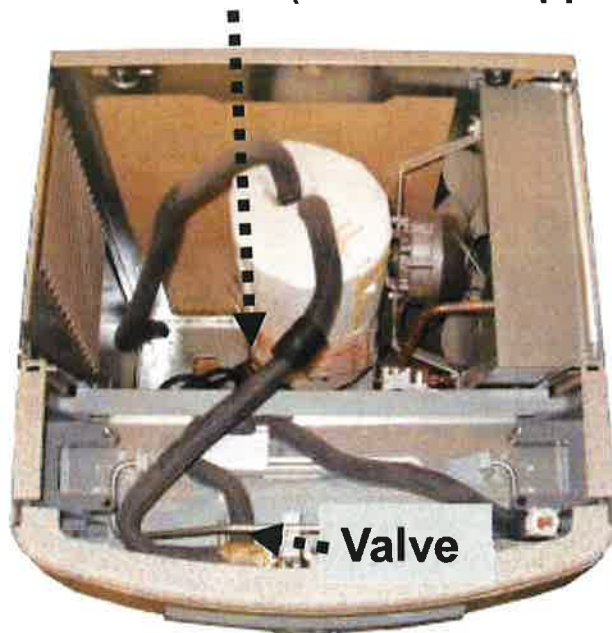
1. With the cooler top removed, find the tube going from the cooling tank outlet to the valve. The TEE fitting (supplied) will need to connect between the cooling tank and valve.

**Outlet Tube (insulated plastic)**



**D8AC family**

**Outlet Tube (insulated copper)**



**D8AM family**

## Section 4B: Installation: For the P8AC Version: Versacooler II

2. Disconnect tubing from the elbow on the valve.



3. Using the 38" piece of tubing provided, cut 6" and install it on the end of the TEE. Install the remaining tubing onto the branch of the TEE. Connect the other end of the TEE to the tank outlet tubing (tube that was disconnected from the elbow).



32" tubing

6" tubing

TEE

4. Route the TEE and tubing under the waste drain and connect the 6" length to the water valve elbow.



Water  
valve  
elbow

Go to Step 5 "Final steps for both product families:"

## Section 4B: Installation: For the P8AM Version: Versacooler I

Remove tar tape

2. Remove tar tape from the insulation on the outlet tube.



3. Pull back insulation and cut the copper tube with a tubing cutter. Cut where there is at least 1 inch of *straight* tubing on each side of the cut.



4. Install TEE fitting by connecting the copper tubing to each end. Then install the 32" piece of plastic tubing to the TEE branch.



32" plastic tubing (supplied)

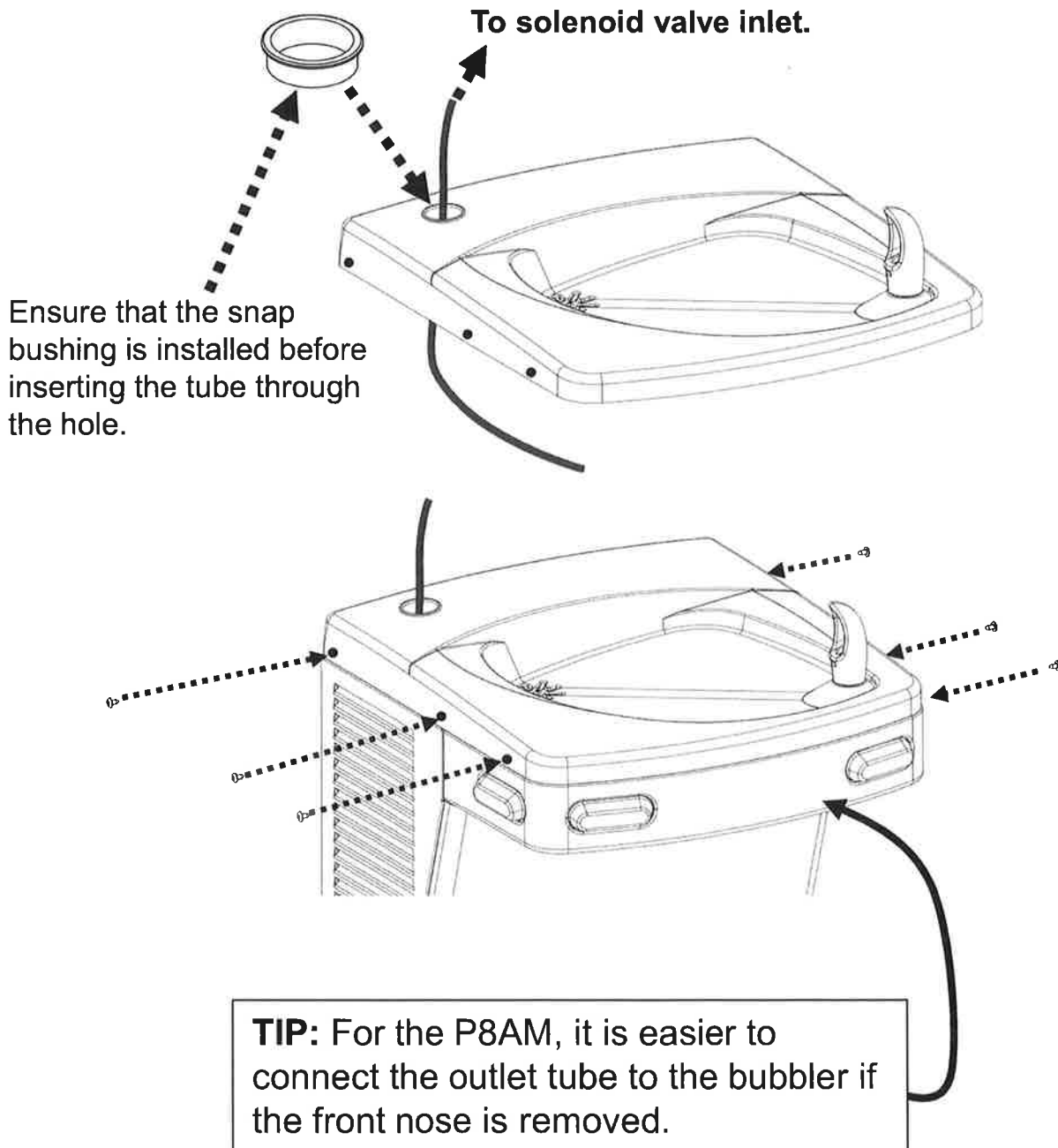


## Section 4B: Installation: **Final steps for both product families:**

5. Feed black and blue tubing up through bushing in top.

- For single unit, also feed white tube attached to tee through bushing.
- For split level, connect tee and white tube packed with bottle filler per schematic below.

Attach top to cooler. If flow switch was installed, cord from flow switch must also pass through this bushing.

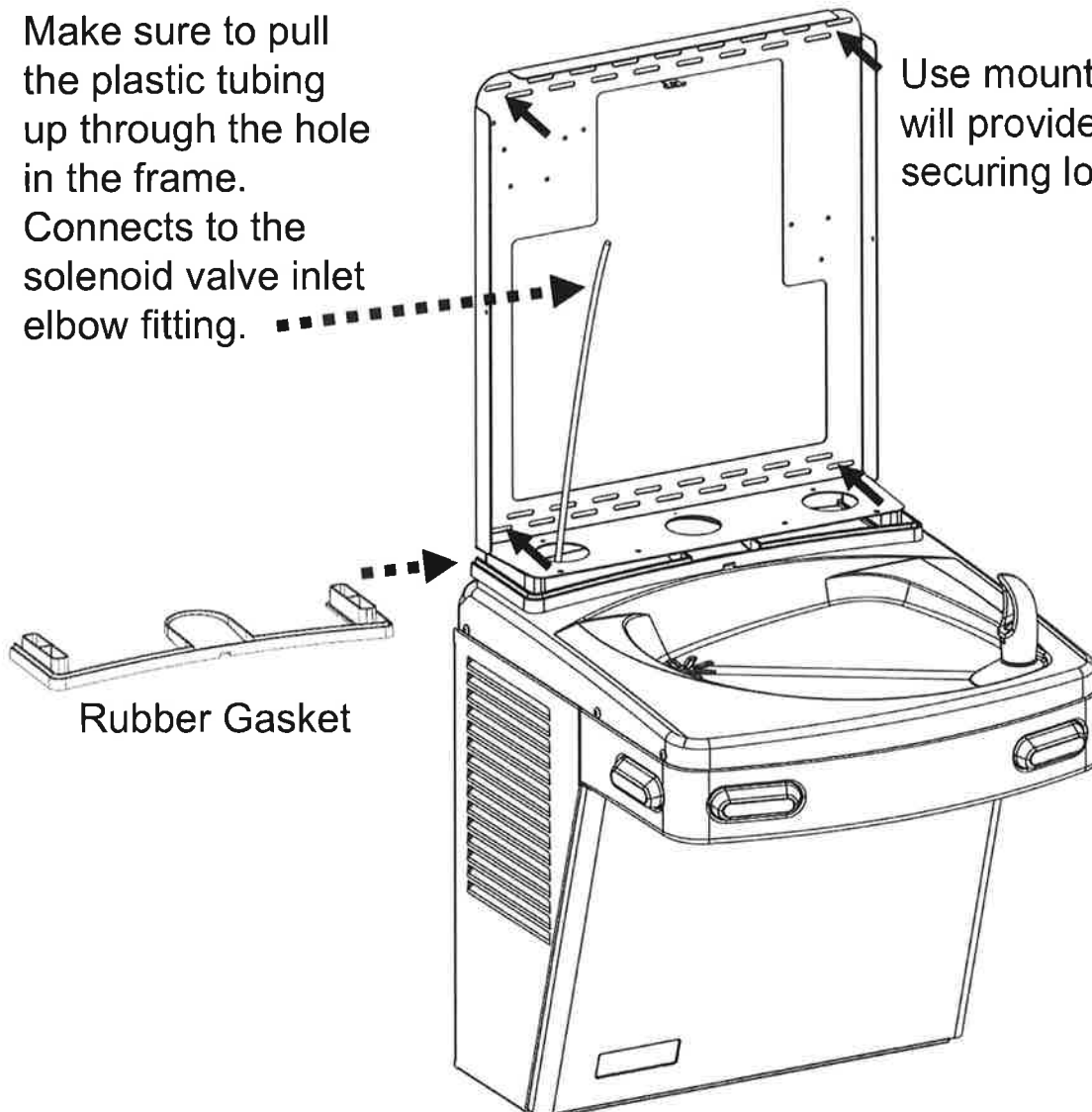


### C: Mounting the frame to the wall

1. Place rubber gasket on top of the cooler so it is centered left/right and against the wall.
2. Set the wall frame onto the gasket. Center it left/right and push it against the wall and mark hole locations for wall fasteners. The gasket will set the frame at the proper height.

Make sure to pull the plastic tubing up through the hole in the frame. Connects to the solenoid valve inlet elbow fitting.

Use mounting slots that will provide the proper securing location.



Rubber Gasket

3. Secure frame to the wall with fasteners (not provided). Pull plastic tubing up through the hole in the frame.

### D: Installing and Flushing Filter Cartridge (PWFEBF only)

1. Insert filter cartridge, rotate  $\frac{1}{4}$  turn until locked.
2. Route water supply plastic tube attached to filter head inlet (left side) through hole in frame and top. Connect to fountain water supply.
3. Route filter outlet tube attached filter head outlet (right side) to fountain drain in top. Flush filter cartridge before connecting to fountain cooling tank inlet fitting.
4. Turn ON the water supply and flush the filter for one-minute or until the water runs clear.
5. Connect the filter outlet tube to cooling tank inlet.

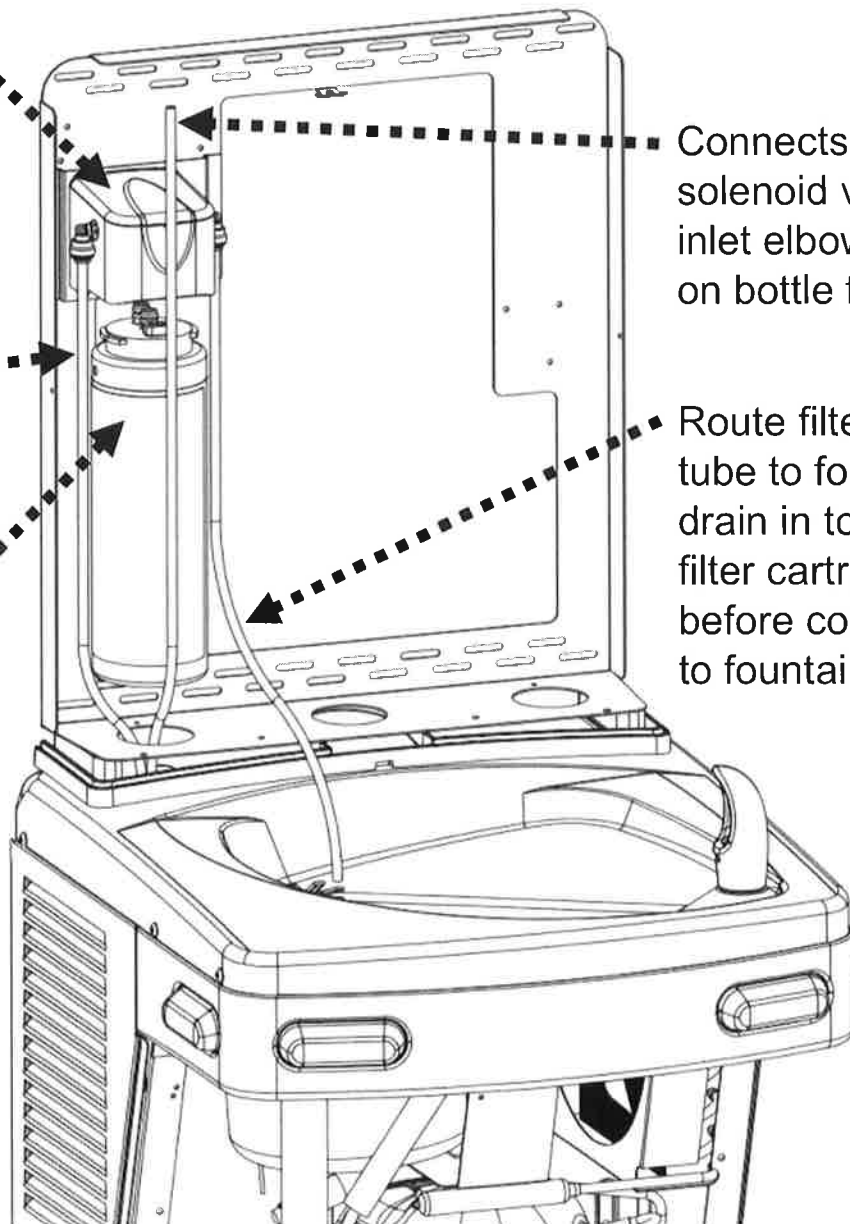
VersaFilter III  
Head Assembly

Route water supply  
plastic tube through  
hole in frame and  
hole in top. Connect  
to fountain water  
supply.

VersaFilter III  
Filter Cartridge

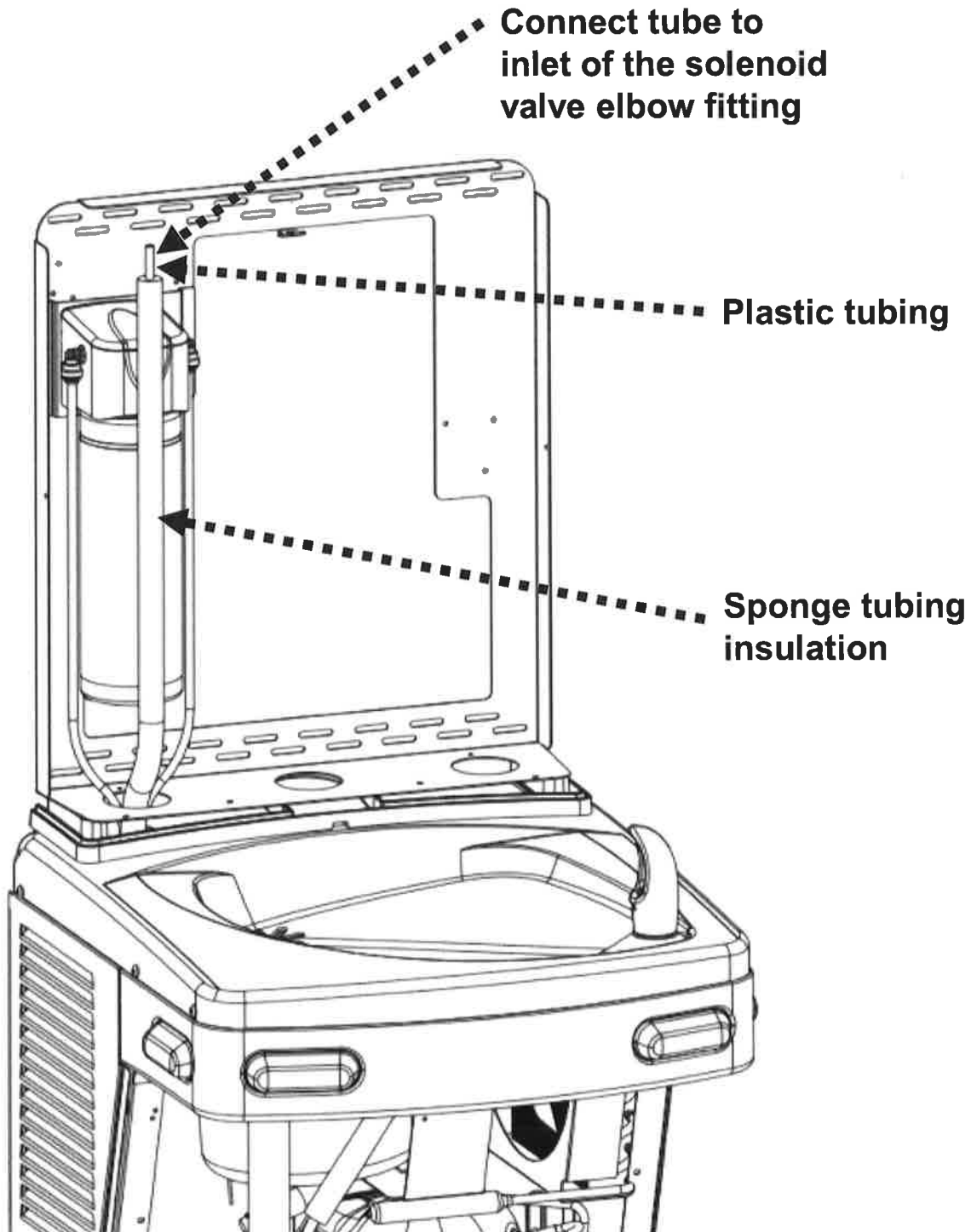
Connects to the  
solenoid valve  
inlet elbow fitting  
on bottle filler.

Route filter outlet  
tube to fountain  
drain in top. Flush  
filter cartridge  
before connecting  
to fountain inlet.



## Section 4E: Installation

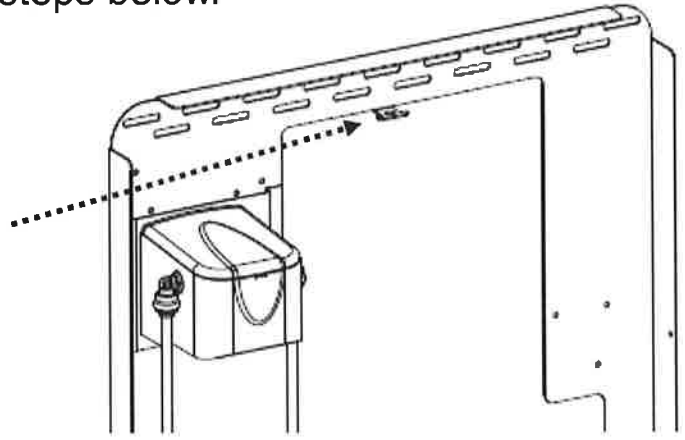
1. Slide sponge tubing insulation over water line. Connect the tubing to the INLET of the solenoid valve elbow fitting on the back of the Hands-free VersaFiller assembly.



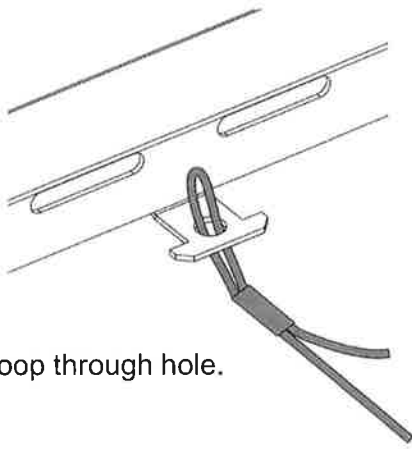
### E: Attaching the Tether

2. Install bottle filler tether with the steps below.

**Attach the tether line assembled to the bottle filler dispense bracket to the cleat on the mounting frame.**

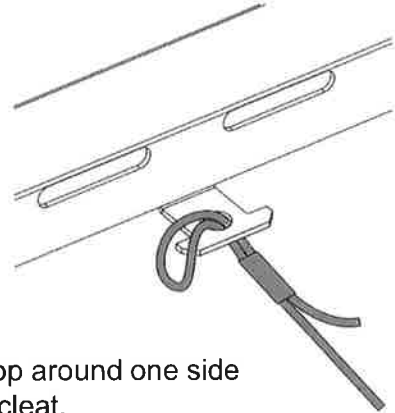


**1.**



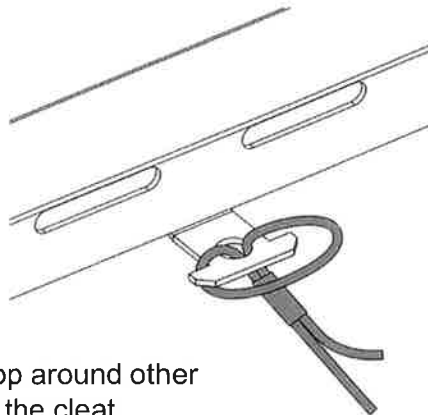
Push loop through hole.

**2.**



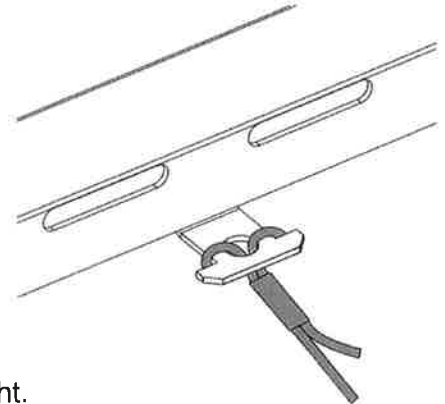
Put loop around one side of the cleat.

**3.**



Pull loop around other side of the cleat.

**4.**

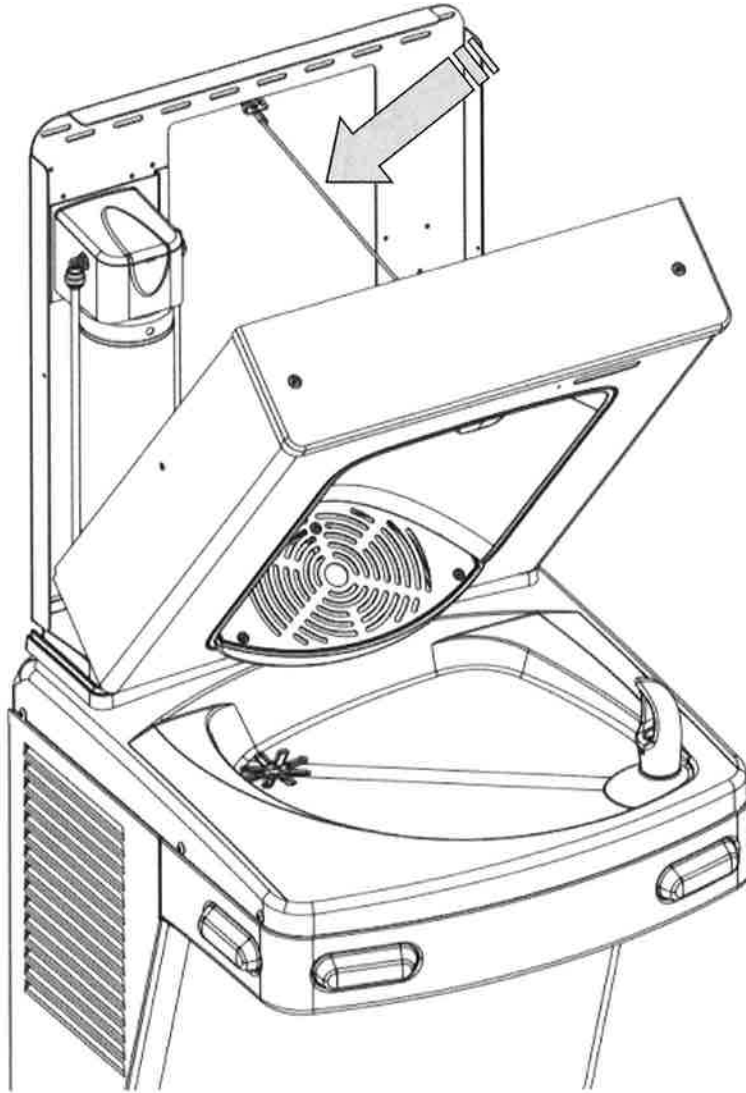


Pull tight.



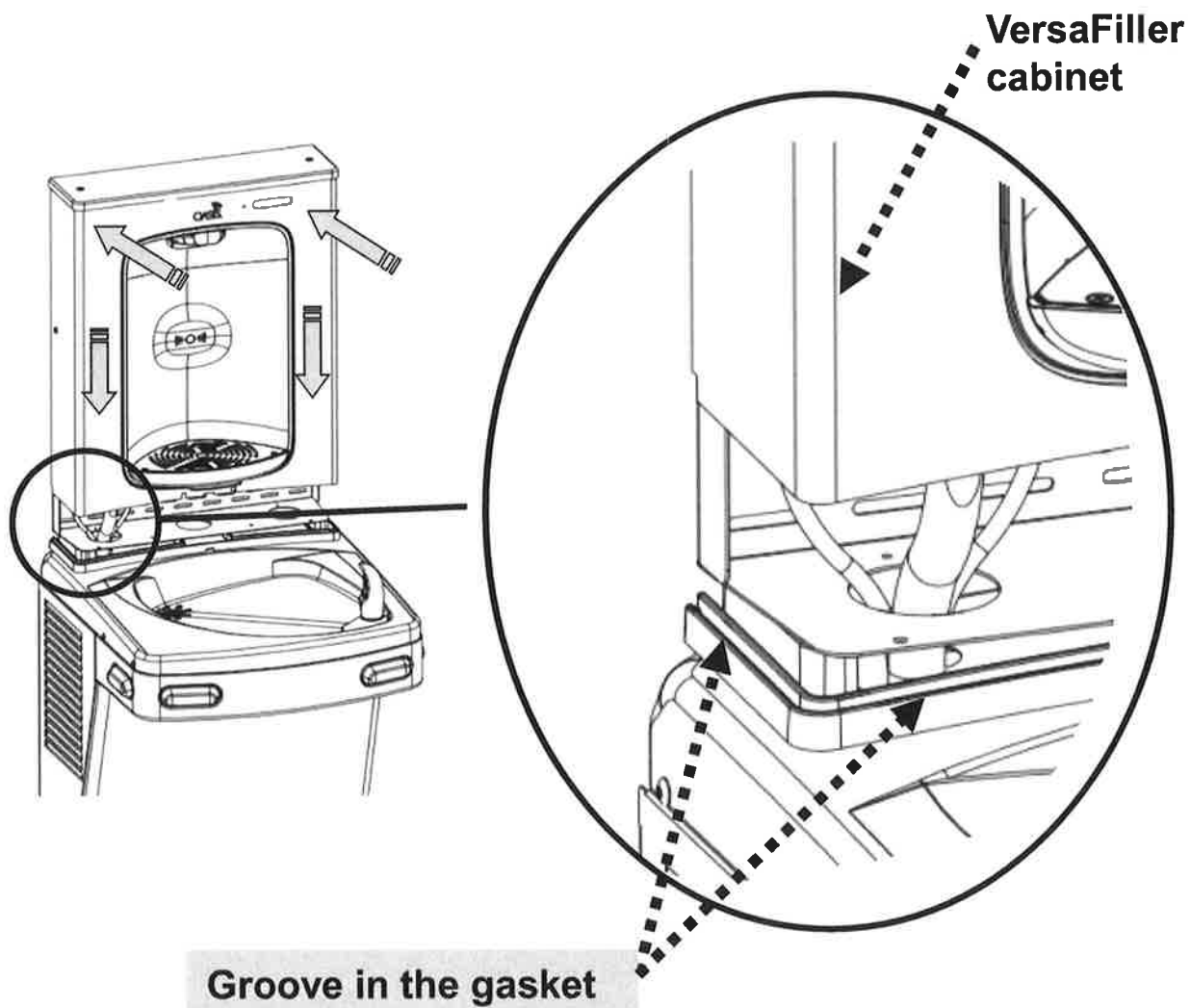
## Section 4E: Installation

The tether keeps the bottle filler secured to the frame when changing the filter. Make sure the tether is installed properly to avoid accidental damage to the unit.



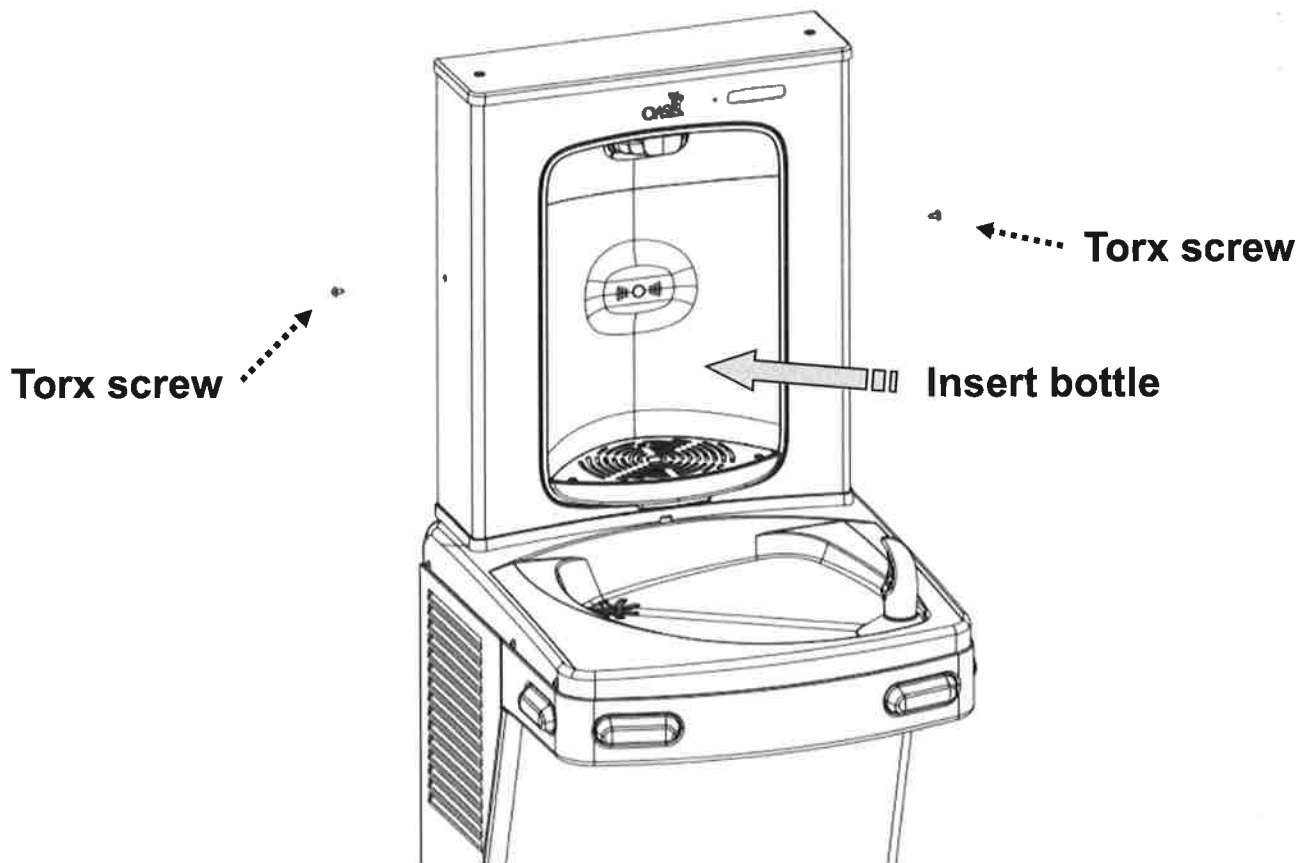
3. Before the Bottle Filler cabinet is set into place, feed the terminals on the power supply power cord and the long green ground wire through the bushing on the cooler top.
4. Connect male terminals on the bottle filler power supply to female terminals on power cord. Make sure that the power cord is firmly connected to the power supply.
5. Attach the long green ground wire to cooler power cord ground located on cooler frame or to electrical box ground.

6. MAKE SURE the cabinet fits into the *groove* in the rubber gasket on both sides and front of the wrapper.



See next page to secure Bottle Filler assembly to frame with torx screws.

## Section 4E: Installation



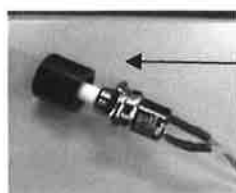
7. Attach Bottle Filler assembly to the frame using two (2) torx screws. If you are going to change the electronics default settings, remove the Top Cap and two (2) torx screws.
8. Plug bottle filler cord into the electrical outlet. The program should be set up specific for that installation. See the program guide on next page. Access programing Pushbutton through top of Bottle Filler.
9. Turn ON water supply and check for leaks. Place a container in the alcove to release any trapped air from the system. Plug in the power cord and replace the front panel.
10. If everything works correctly, place the Top Cap back on the Bottle Filler and the two (2) torx screws to fasten it in place. Otherwise, calibrate the sensor per the instructions on the next page.

**INSTALLATION COMPLETE**

## Section 5: Set-up guide for bottle filler electronics

### Factory default program settings are:

- a. Units - Gallons
- b. Unfiltered unit
- c. Flow Rate = 1.0 GPMD
- d. Filter Capacity = 4750 gallons [18000 liters] for VersaFilter III
- e. Bottle Count = 0.5L (1 Bottle)
- f. 20 second maximum dispense time

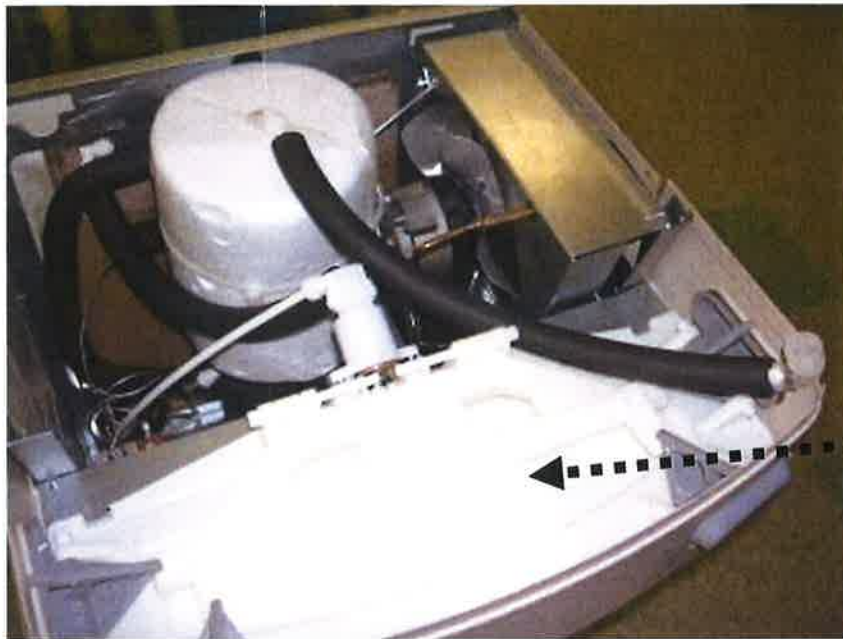


Pushbutton

### To change the program settings, follow these steps:

<i><b>Display</b></i>	<i><b>Action</b></i>
000000000 BOTTLES REUSED (Home Screen)	Depress button for 3 seconds to enter into the following menu settings and make changes. Note: at anytime it will exit menu and save settings when idle for 10 seconds (no button press) and revert back to Home Screen.
LTR/GAL GAL[LTR]	Depress button 3 seconds to change from Gallons to Liters, or momentary press to advance to next menu.
UNFILT/FILT? UNFILTERED UNIT [FILTERED UNIT]	Depress button 3 seconds to change from Unfiltered to Filtered unit, or momentary press to advance to next menu.
SELECT RATE 1.0 GPMD UNIT [3.8 LPM UNIT]	To change flow rate, momentarily depress button to change whole gallon digit. Hold button 3 seconds to advance to TENTHS of gallon digit. Depress momentarily to change the digit. Hold button 3 seconds to advance to the next menu.
RESET 00000000 GALLON COUNT? [LTR COUNT?]	Depress button for 3 seconds to reset water usage count, or momentary press to advance to next menu.
FILT CAPAC OF 4750 GAL [18000 LTR]	Depress button for 3 seconds to change filter capacity to 1250 GAL [5000 LTR] for VersaFilter I. Depress button for 3 seconds to change filter capacity to 3000 GAL [11000 LTR] for VersaFilter II. Depress button for 3 seconds to change filter capacity to 4750 GAL [18000 LTR] for VersaFilter III. or momentary press to advance to next menu.
3 sec rule ? 3 sec [0.5L]	Depress button for 3 seconds to switch from 3 sec rule to 0.5L bottle, or momentary press to advance to next menu. (The 3 Sec rule increases the bottle count based on a 3 second dispense.)
RESET 00000000 BOT COUNT?	Depress button for 3 seconds to reset BOTTLES REUSED count to zero (Home Screen), or momentary press to advance to next menu.
Bot Filler Set time: 20 s	Depress button for 3 seconds to change maximum dispense time to 10, 20 or 30 seconds, or momentary press to advance to next menu.

## Addendum Section: Pressurizing Cooling Tank



**The water should already be turned OFF and the power disconnected.**

Unit as it appears with top removed

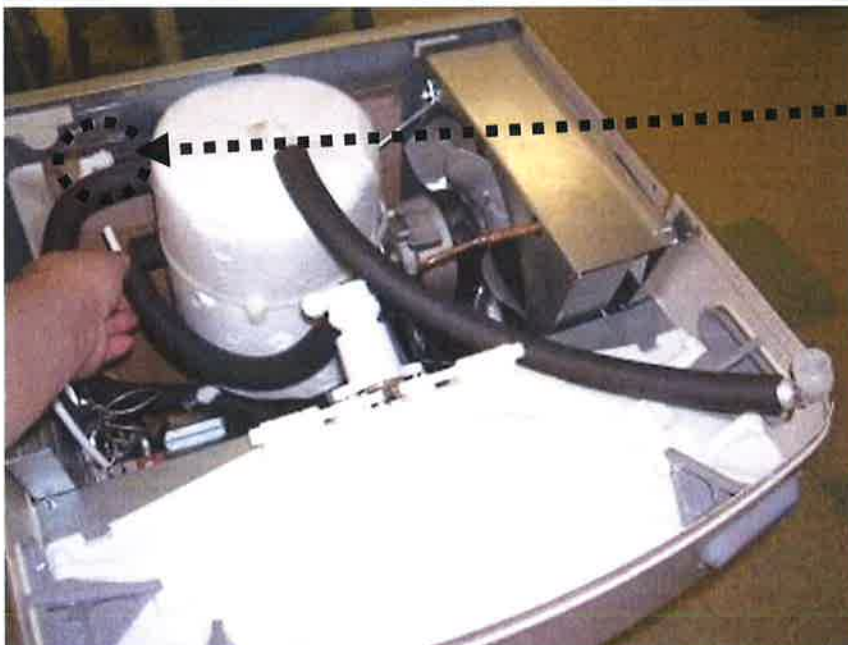
### STEP 1

Unplug un-insulated water line from water valve inlet (quick-connect elbow located left side of water valve facing the front of the cooler). Set tubing aside (careful to not contaminate water contact end).



### STEP 2

Unplug tubing from quick-connect elbow leading to cooling tank inlet.







### **STEP 3**

Plug un-insulated tubing that was removed in step 1 into quick-connect elbow leading to the cooling tank from step 2.



### **STEP 4**

Unplug tubing that is connected to the water valve outlet (quick-connect elbow located on the right side of valve facing the cooler).



### **STEP 5**

Connect tubing from step 4 to quick-connect elbow on the left side of the valve.



### **Step 6**

Unplug quick-connect tubing from the cooling tank outlet. Do not set it down.



### **Step 7**

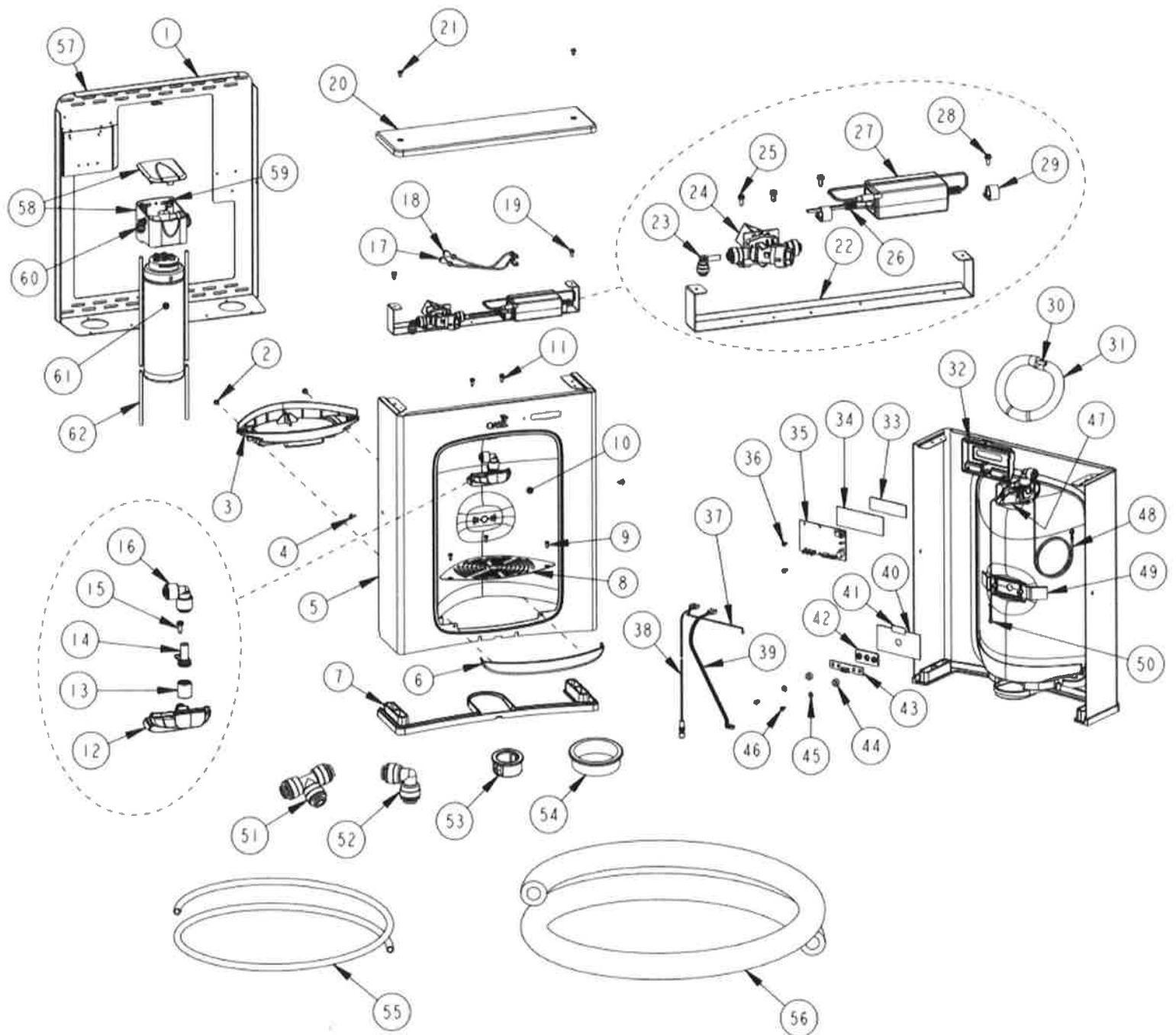
Using tubing removed in step 6, plug into quick-connect elbow on the right side of the valve. (be sure to route the tubing under existing tubing installed in step 4 as shown)



### **Step 8**

Using tubing that is connected to the quick-connect elbow left side of valve (done in step 4), and plug the other end into the quick-connect fitting at the top of the cooling tank.

## Section 6: Parts Breakdown





## Section 6: Parts Breakdown

ITEM	QTY	P/N	Description
1	1	036687-003	FRAME
2	2	026642-006	SCREW, HEX HD TAPPING #8 X 1/2"
3	1	042371-001	DRIPTRAY, RETRO
4	2	031875-003	SCREW, TRUSS HD TAPPING TORX
5	1	036691-012	WRAPPER, PWEBF STN LOGO
6	1	042370-001	COVER, FRONT
7	1	036689-001	GASKET, PWSBF
8	1	042374-001	GRILLE, DRIPTRAY
9	3	026675-003	SCREW, FLAT HD TAPPING #8 X 3/8"
10	1	041405-001-SP	VHB ALCOVE ASSEMBLY
11	2	026642-003	SCREW, HEX HD TAPPING #8 X 3/8"
12	1	042369-001	SPOUT
13	1	038032-001	FLOW NOZZLE ASSEMBLY
14	1	038029-001	ADAPTER, FLOW NOZZLE
15	1	026642-006	SCREW, HEX HD TAPPING #8 X 1/2"
16	1	029962-103	FITTING, REDUCING ELBOW
17	1	017340-512	LEAD WIRE ASSY 10FR
18	1	021929-129	LEAD WIRE ASSY 10FR
19	2	026642-004	SCREW, HEX HD TAPPING #8 X 3/8"
20	1	036686-001	CAP, PWSBF
21	2	031875-003	SCREW, TRUSS HD TAPPING TORX
22	1	042576-001	BRACKET, PWEBF ELECTRONICS
23	1	029994-103	FITTING, ELBOW PLUG IN
24	1	038030-002	SOLENOID VALVE 12VDC
25	2	026642-004	SCREW, HEX HD TAPPING #8 X 3/8"
26	1	038168-001	CORD ASSEMBLY, DC POWER SUPPLY
27	1	038036-003	POWER SUPPLY, 100-240VAC/12VDC
28	2	026642-004	SCREW, HEX HD TAPPING #8 X 3/8"

ITEM	QTY	P/N	Description
29	2	032839-004	P-CLIP, 5/8"
30	1	030152-034-SP	TUBE, PE WHITE 17"
31	1	017681-004-SP	INSULATION, SPONGE TUBE 16"
32	1	041405-002-SP	VHB PCB BRACKET ASSEMBLY
33	1	042575-001	LENS, LCD
34	1	038915-103	MYLAR A POLYESTER FILM 1.50" X 4.25"
35	1	042064-002	PCB, MAIN
36	1	026630-004	SCREW, PAN HD TAPPING #6 X 3/8"
37	1	042068-001	LED ASSEMBLY
38	1	042067-001	BUTTON ASSEMBLY
39	1	042066-001	5-PIN WIRE, IR SENSOR
40	1	038915-102	MYLAR A POLYESTER FILM 2.0" X 4.0"
41	1	038916-101	MYLAR POLYESTER TAPE, 1.25" LG
42	1	038027-001	LENS, IR BOTTLE FILLER
43	1	042065-001	PCB, IR SENSOR
44	2	028706-046	SPACER - NON METAL
45	2	016377-004	WASHER, METAL
46	2	026630-004	SCREW, PAN HD TAPPING #6 X 3/8"
47	1	021339-102	LEAD WIRE ASSY 6GG
48	1	021339-214	LEAD WIRE ASSY 42GG
49	1	041405-003-SP	VHB IR BRACKET ASSEMBLY
50	1	032459P008	LANYARD, BOTTLE FILLER
51	1	029199-103	FITTING, UNION TEE WHITE
52	1	028481-101	FITTING, UNION ELBOW WHITE
53	1	027189-008	SNAP BUSHING, 7/8
54	1	027189-001	SNAP BUSHING, 1-1/2
55	1	030152-034-SP	TUBE, PE WHITE 38"
56	1	017681-013-SP	INSULATION, SPONGE TUBE 38"

### PWFEBF Only

57	1	041410-002	FRAME ASSEMBLY, FILTER
58	1	041146-001	FILTER HEAD ASSEMBLY, SINGLE STAGE
59	2	026642-004	SCREW, HEX HD TAPPING #8 X 3/8"
60	2	029994-103	FITTING, ELBOW PLUG IN
61	1	041145-001	FILTER CARTRIDGE, VERSAFILTER III
62	2	030152-034-SP	TUBE, PE WHITE 38"

### Accessories:

**Vandal resistant screw kit:** P/N 036704-001, includes torx bits and replacement screws.

**Gasket Adapter Elkay/Halsey Taylor** P/N 041114-001

P/N 030099-680, Rev. A, Date: 12/2022

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OASIS INTERNATIONAL  
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614-861-1350  
www.oasiscoolers.com



## OASIS® VERSACOOLER®II MODELS

PG8ACSL, PG8ACSLTM, PG8ACSLTT, PGV8ACSL, PGF8ACSL, PGF8ACSLTM, PGF8ACSLTT, PGVF8ACSL  
SUNROC MODELS ADA8ACB, ADAV8ACB, ADAACB, ADAF8ACB, ADAVF8AC, ADAFACB

### INSTRUCTIONS

#### A. INSPECTION

Inspect the water cooler, water fountain and cartons for evidence of rough handling and concealed damage. Damage claims should be filed with the carrier.

#### B. TO PUT WATER COOLER AND FOUNTAIN INTO SERVICE

1. **NOTE:** The following states require a licensed plumber to install cooler; AG, GA, MA, MI, OK, RI, SC, SD, TX, VT and WI.  
CA, KS, MN, NM and OR allow for a state-registered installer or contractor as well. State and local plumbing codes may prohibit use of saddle tapping valves for water line connection in some applications. All connections must conform to applicable plumbing codes.
2. The PG8ACSL is composed of a water cooler and a water fountain. The water cooler contains the refrigeration system and is always mounted on the right side. This unit can be configured with the water cooler high or low. Refer to proper roughing in drawing for location of plumbing and electrical service. Filter units have additional instructions on a label inside fountain side access panel. Read these before installing unit. This drinking water cooler is designed to be operated at a water supply line pressure of up to 100 psi (690 kPa). A pressure regulator must be installed in front of the unit's water inlet if the water pressure (including any possible pressure spikes) could exceed 100 psi (690 kPa).
3. **FLUSH BUILDING WATER SUPPLY BEFORE INSTALLING UNIT.**
4. Install wall hangers as shown on the desired roughing in drawing. Wall hangers are shipped fastened to the backs of each unit.
5. **To configure this cooler for right side high or right side low installation, refer to details on page 3. Bottom screws of the appropriate side panel may be temporarily removed to install patch plate. Assemble drains, matching the position of the gaskets to the contour of the cooler tops. When used with a bottle filler, the unit must be configured as a right side high installation.**
6. For refrigerated units, mount the water cooler on the right hanger.
7. For non-refrigerated units:
  - a. TM Models employing touch free sensor and mechanical push button – fountain with the touch free sensor must be mounted on left side.
  - b. TT Models employing touch free sensor on both units – fountain supplied with power cord attached must be mounted on right side.
8. **On TT models, prior to mounting water fountain on left hanger route the loose 2 pin connector of power cord from the right-side unit through the open panels and connect into power supply adapter on the shelf inside the left side water fountain. Refer to details on page 4.**
9. Mount water fountain on left side hanger while routing "Water In" tube through access hole to stop valve as required. Remove cap from "Drain/Remote Cold Water" connection and insert "Water In" tube.
10. **All provided waste drain parts for field installation are packed in the water fountain. Assemble drain per appropriate roughing in drawing. The short leg of the crossover piece will be on the water cooler side. When unit has an internal waste trap, it should be wrapped with insulating tape to prevent sweating. Use of 1-3/4" knockout for a waste line is not recommended because of potential conflict with ADA\* toe space requirements. Check with your local building code inspector for approval.**
11. Install a shut off valve in water supply line. An in-line strainer is furnished in "Water Supply" tube. Connect "Water Supply" tube to shut off valve. This connection should not be a solder joint or flare connection to allow access to the strainer service. To ease removal of the strainer, a sheet metal screw may be lightly threaded into the open end.
12. Rotate fan blade by hand to see that it is free of obstructions.
13. Check available power supply against water cooler data plate to ensure correct electrical service. This drinking water cooler is intended to be connected to a 20A minimum ground fault circuit interrupting (GFCI) device to meet UL

requirements. Plug power supply cord into wall outlet. The rear most 1-3/8 diameter knockout in frame bottom is for an externally located electrical supply. Make sure knockout hole edge is smooth and free of any burrs. Use of Heyco bushing #2184 in knocked out hole is recommended to prevent damage to service cord and to close up excess opening around cord. Route cord so it does not interfere with ADA\* space requirements.

14. To fill cold water tank on water cooler, open water supply line shut-off and push any one of front push pads to allow water to flow to bubbler. On TM and TT models, actuate solenoid by holding one hand approximately 1" from infrared sensor (under front edge of shelf). Run water until stream is free of bubbles. After approximately 20 seconds run time, solenoid valve will automatically shut off. To reactivate, move hand away for an instant and then again place it in front of sensor.

15. To Adjust Bubbler stream:

All models are equipped with a cartridge regulator. The standard push pad and electric eye models have a slot at back of underside of shelf. Insert a screwdriver in this slot to adjust regulator. Turn adjustment clockwise to increase stream height. To access PGV8ACSL and PGVF8ACSL adjustment, remove the Bezel and Button from front of cooler.

14. On electric eye equipped models (TM and TT models), place and then hold hand approximately 1" from sensor (under front edge of shelf) to actuate solenoid valve. After approximately 20 seconds run time, solenoid valve will automatically shut off. To reactivate, move hand away for an instant and then again place it in front of sensor. Every time the power reboots, the bottle sensor automatically recalibrates itself. IT IS IMPORTANT TO HAVE NO OBJECT PRESENT NEAR THE SENSOR EVERYTIME THE UNIT REBOOTS SO THAT SENSOR CALIBRATION IS DONE CORRECTLY.

### C. MAINTENANCE

The only maintenance operation required is the removal of dirt and lint from the condenser of the water cooler. Inspection should be made at 3-month intervals. Disconnect the power supply cord, then clean the condenser with a small stiff non-wire brush when required. Observance of this procedure will ensure adequate air circulation through the condenser, so operation is efficient and economical.

### D. OVERLOAD PROTECTION (water cooler)

The compressor motor, where used, is equipped with an automatic reset protector which will disconnect the motor from the line in case of an overload.

### E. LUBRICATION (water cooler)

This unit is equipped with a hermetically sealed compressor and requires no additional lubrication. The fan motor on this unit seldom needs oiling, but if required, a few drops of SAE 10 oil should be used.

### F. TO DISCONTINUE USE OF WATER COOLER AND WATER FOUNTAIN

1. Close water shut off valve.
2. Provide container to catch water to be drained.
3. On push button model, disconnect power supply cord then disconnect water supply line at shut off valve. Route water supply line to container and actuate push button. If this drains too slowly for you, prepare 3/8" ID tube or 3/8" OD tube with quick-connect fitting and remove screw plug in tank drain. Slide tube over drain and route to container. Replace screw plug when draining is complete. Do not over-tighten. O-ring only needs to be snug to seal.
4. On TM and TT models, disconnect water supply line at shut off valve. Place water supply line in container and actuate solenoid as explained in Step B12. If this drains too slowly for you, disconnect power supply cord and prepare 3/8" ID tube or 3/8" OD tube with quick-connect fitting. Remove screw plug in tank drain. Slide tube over drain and route to container. Replace screw plug when draining is complete. Do not over-tighten. O-ring only needs to be snug to seal.
5. ALWAYS DRAIN ALL WATER WHEN FREEZING TEMPERATURES ARE ANTICIPATED AND BEFORE SHIPPING THE WATER COOLER.

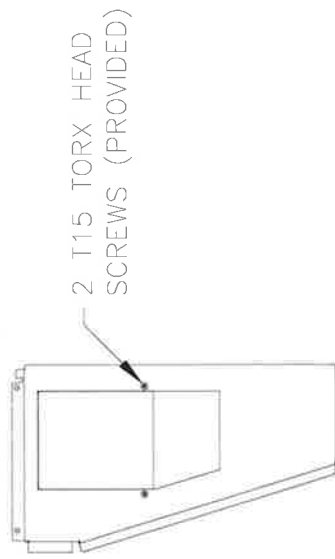
\*American With Disabilities Act

### WARNING

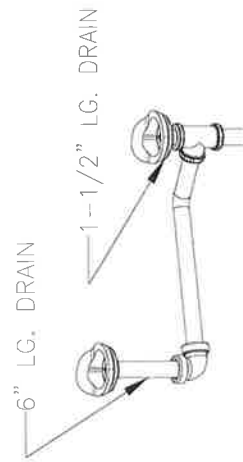
The warranty and the Underwriters' Laboratory listing for this machine are automatically voided if this machine is altered, modified, or combined with any other machine or device. Alteration or modification of this machine may cause serious flooding and/or hazardous electrical shock or fire.

**EXCEPT AS SET FORTH HEREIN, THE MANUFACTURER MAKES NO OTHER WARRANTY, GUARANTEE OR AGREEMENT EXPRESSED, IMPLIED OR STATUTORY, INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

WATER FOUNTAIN  
RIGHT SIDE PANEL



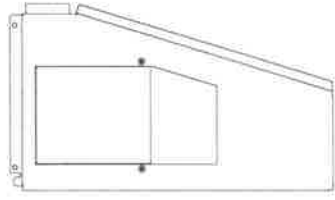
PATCH PLATE LOCATION  
FOR COOLER CONFIGURED  
FOR RIGHT SIDE LOW



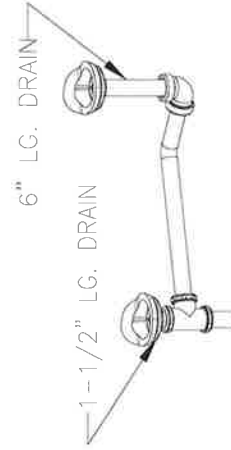
DRAIN CONFIGURATION  
RIGHT SIDE LOW

MOUNT DRAINS WITH PROVIDED  
1-1/4" LONG SCREWS

WATER COOLER  
LEFT SIDE PANEL



PATCH PLATE LOCATION  
FOR COOLER CONFIGURED  
FOR RIGHT SIDE HIGH



DRAIN CONFIGURATION  
RIGHT SIDE HIGH

MOUNT DRAINS WITH PROVIDED  
1-1/4" LONG SCREWS

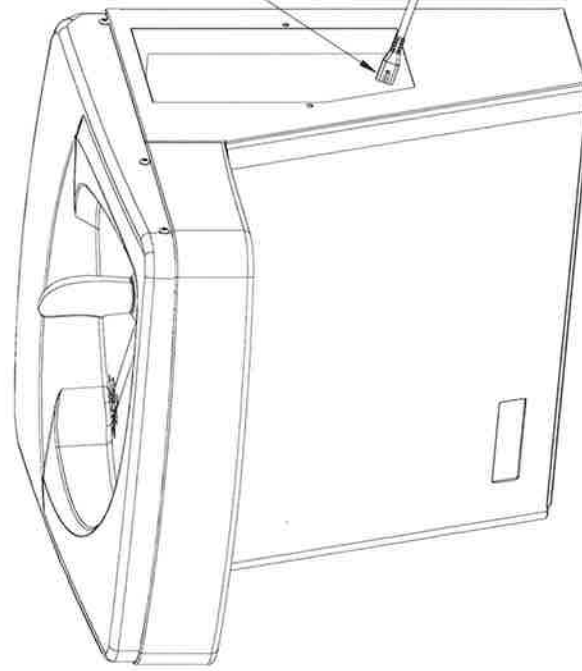
## TT MODEL—LEFT SIDE WATER FOUNTAIN

NOTE: PERFORM THIS STEP PRIOR TO MOUNTING LEFT SIDE FOUNTAIN

PRIOR TO MOUNTING WATER FOUNTAIN ON LEFT HANGER ROUTE THE LOOSE 2 PIN CONNECTOR OF POWER CORD FROM THE RIGHT-SIDE UNIT THROUGH THE OPEN PANELS AND CONNECT INTO POWER SUPPLY ADAPTER ON THE SHELF INSIDE THE LEFT SIDE WATER FOUNTAIN.

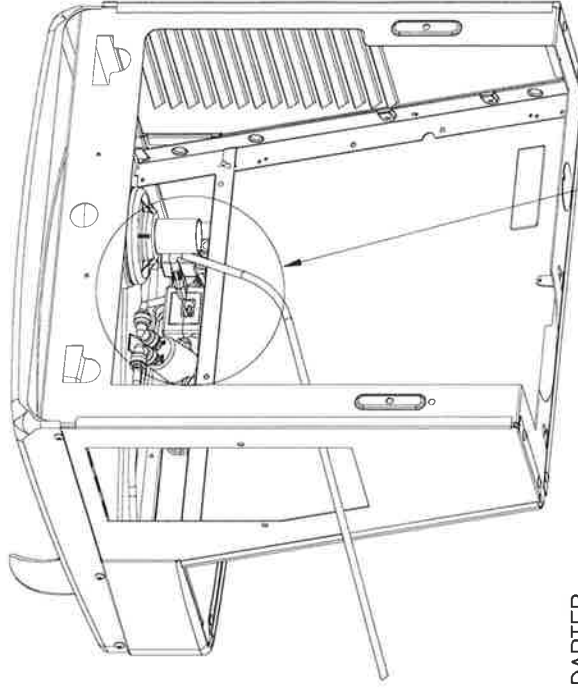
MAKE SURE POWER CORD IS COMPLETELY SEATED.

### FRONT VIEW



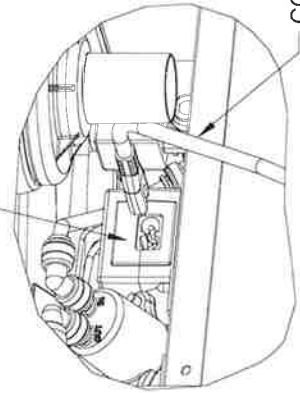
ROUTE 2 PIN  
CONNECTOR OF  
POWER CORD THROUGH  
RIGHT SIDE PANEL

### BACK VIEW



SEE DETAIL A

POWER SUPPLY ADAPTER  
BEHIND WASTE TAILPIECE

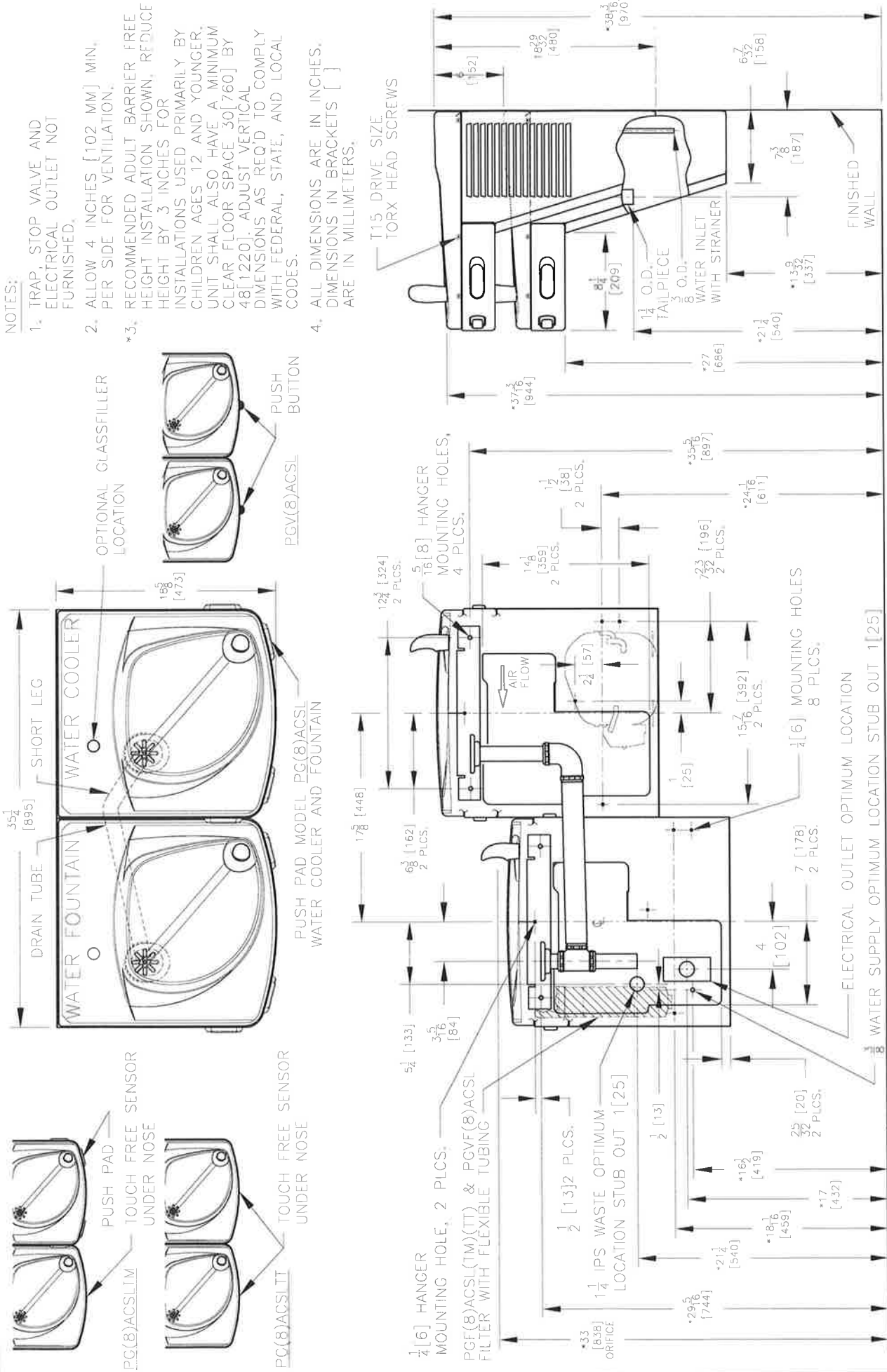


DETAIL A

CONNECT 2 PIN CONNECTOR TO  
POWER SUPPLY ADAPTER

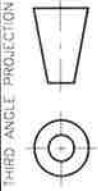
# OASIS® VERSACOOLER® II MODELS

PG8ACSL, PG8ACSLTM, PG8ACSLTT, PGV8ACSL, PGF8ACSL, PGF8ACSLTM, PGF8ACSLTT, PGVF8ACSL  
 SUNROC MODELS ADA8ACB, ADAV8ACB, ADAACB, ADAF8ACB, ADAVF8AC, ADAFACB



RIGHT SIDE HIGH  
 CONFIGURATION

ROUGHING-IN  
 AND  
 DIMENSIONAL DRAWING



THIRD ANGLE PROJECTION

FINISHED FLOOR

ELECTRICAL OUTLET OPTIMUM LOCATION

WATER SUPPLY OPTIMUM LOCATION STUB OUT 1[25]

1 1/4 IPS WASTE OPTIMUM LOCATION STUB OUT 1[25]

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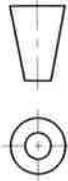
PGV(8)ACSL

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PG8ACSL, PG8ACSLTM, PG8ACSLTT, PGV8ACSL, PGF8ACSL, PGF8ACSLTM, PGF8ACSLTT, PGVF8ACSL  
SUNROC MODELS ADA8ACB, ADAV8ACB, ADAACB, ADAF8ACB, ADAVF8AC, ADAFACB



FINISHED  
FLOOR

ROUGHING-IN  
AND  
DIMENSIONAL DRAWING



OASIS INTERNATIONAL

222 East Campus View Blvd. • Columbus, OH 43235 U.S.A.

1-800-950-3226

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

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030099-633, Rev. A, Date 7/2021



## SET-UP GUIDE FOR OASIS® HANDS-FREE BOTTLE FILLER ELECTRONICS

**Factory default program settings are:**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>a. Units - Gallons</li> <li>b. Unfiltered unit</li> <li>c. Flow Rate = 1.0 GPMD</li> <li>d. Filter Capacity = 4750 gallons [18000 liters] for VersaFilter III</li> </ul> | <ul style="list-style-type: none"> <li>e. Bottle Count = 0.5L (1 Bottle)</li> <li>f. 20 second maximum dispense time</li> </ul> |
|---|---|

**For Hands-free VersaFiller models**, top cap will need to be set aside until programming is complete. Remove top cap by unscrewing two (2) T15 torx screws if needed. Remove wire tie bundling pushbutton inside bottle filler and feed it through hole in cooler top. You can then adjust program using pushbutton through access panel of cooler.

**For Hands-free Aqua Pointe models**, remove lower front panel (if applicable) or lift out lower edge of upper panel to reach remote push button.



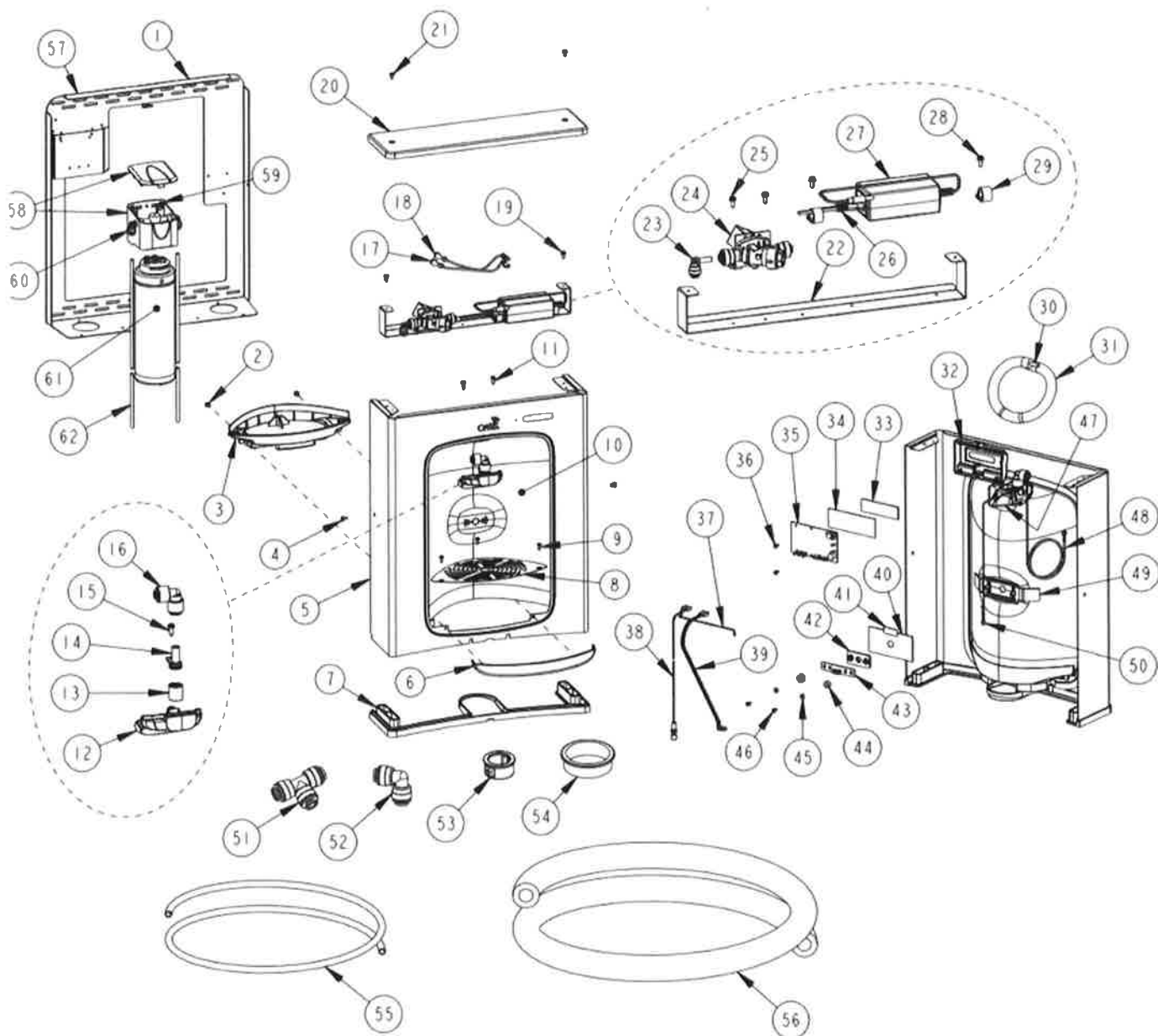
Pushbutton

**To change the program settings, follow these steps:**

<u>Display</u>	<u>Action</u>
000000000 BOTTLES REUSED (Home Screen)	Depress button for 3 seconds to enter into the following menu settings and make changes. Note: at anytime it will exit menu and save settings when idle for 10 seconds (no button press) and revert back to Home Screen.
LTR/GAL GAL[LTR]	Depress button 3 seconds to change from Gallons to Liters, or momentary press to advance to next menu.
UNFILT/FILT? UNFILTERED UNIT [FILTERED UNIT]	Depress button 3 seconds to change from Unfiltered to Filtered unit, or momentary press to advance to next menu.
SELECT RATE 1.0 GPMD UNIT [3.8 LPM UNIT]	To change flow rate, momentarily depress button to change whole gallon digit. Hold button 3 seconds to advance to TENTHS of gallon digit. Depress momentarily to change the digit. Hold button 3 seconds to advance to the next menu.
RESET 00000000 GALLON COUNT? [LTR COUNT?]	Depress button for 3 seconds to reset water usage count, or momentary press to advance to next menu.
FILT CAPAC OF 4750 GAL [18000 LTR]	Depress button for 3 seconds to change filter capacity to 1250 GAL [5000 LTR] for VersaFilter I. Depress button for 3 seconds to change filter capacity to 3000 GAL [11000 LTR] for VersaFilter II. Depress button for 3 seconds to change filter capacity to 4750 GAL [18000 LTR] for VersaFilter III. or momentary press to advance to next menu.
3 sec rule ? 3 sec [0.5L]	Depress button for 3 seconds to switch from 3 sec rule to 0.5L bottle, or momentary press to advance to next menu. (The 3 sec rule increases the bottle count by 1 if the water is dispensed for 3 sec or more.)
RESET 00000000 BOT COUNT?	Depress button for 3 seconds to reset BOTTLES REUSED count to zero (Home Screen), or momentary press to advance to next menu.
Bot Filler Set time: 20 s	Depress button for 3 seconds to change maximum dispense time to 10, 20 or 30 seconds, or momentary press to advance to next menu.

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## Section 6: Parts Breakdown



## Section 6: Parts Breakdown

ITEM	QTY	P/N	Description
1	1	036687-003	FRAME
2	2	026642-006	SCREW, HEX HD TAPPING #8 X 1/2"
3	1	042371-001	DRIPTRAY, RETRO
4	2	031875-003	SCREW, TRUSS HD TAPPING TORX
5	1	036691-012	WRAPPER, PWFBF STN LOGO
6	1	042370-001	COVER, FRONT
7	1	036689-001	GASKET, PWSBF
8	1	042374-001	GRILLE, DRIPTRAY
9	3	026675-003	SCREW, FLAT HD TAPPING #8 X 3/8"
10	1	041405-001-SP	VHB ALCOVE ASSEMBLY
11	2	026642-003	SCREW, HEX HD TAPPING #8 X 3/8"
12	1	042369-001	SPOUT
13	1	038032-001	FLOW NOZZLE ASSEMBLY
14	1	038029-001	ADAPTER, FLOW NOZZLE
15	1	026642-006	SCREW, HEX HD TAPPING #8 X 1/2"
16	1	029962-103	FITTING, REDUCING ELBOW
17	1	017340-512	LEAD WIRE ASSY 10FR
18	1	021929-129	LEAD WIRE ASSY 10FR
19	2	026642-004	SCREW, HEX HD TAPPING #8 X 3/8"
20	1	036686-001	CAP, PWSBF
21	2	031875-003	SCREW, TRUSS HD TAPPING TORX
22	1	042576-001	BRACKET, PWFBF ELECTRONICS
23	1	029994-103	FITTING, ELBOW PLUG IN
24	1	038030-002	SOLENOID VALVE 12VDC
25	2	026642-004	SCREW, HEX HD TAPPING #8 X 3/8"
26	1	038168-001	CORD ASSEMBLY, DC POWER SUPPLY
27	1	038036-003	POWER SUPPLY, 100-240VAC/12VDC
28	2	026642-004	SCREW, HEX HD TAPPING #8 X 3/8"

ITEM	QTY	P/N	Description
29	2	032839-004	P-CLIP, 5/8"
30	1	030152-034-SP	TUBE, PE WHITE 17"
31	1	017681-004-SP	INSULATION, SPONGE TUBE 16"
32	1	041405-002-SP	VHB PCB BRACKET ASSEMBLY
33	1	042575-001	LENS, LCD
34	1	038915-103	MYLAR A POLYESTER FILM 1.50" X 4.25"
35	1	042064-002	PCB, MAIN
36	1	026630-004	SCREW, PAN HD TAPPING #6 X 3/8"
37	1	042068-001	LED ASSEMBLY
38	1	042067-001	BUTTON ASSEMBLY
39	1	042066-001	5-PIN WIRE, IR SENSOR
40	1	038915-102	MYLAR A POLYESTER FILM 2.0" X 4.0"
41	1	038916-101	MYLAR POLYESTER TAPE, 1.25" LG
42	1	038027-001	LENS, IR BOTTLE FILLER
43	1	042065-001	PCB, IR SENSOR
44	2	028706-046	SPACER - NON METAL
45	2	016377-004	WASHER, METAL
46	2	026630-004	SCREW, PAN HD TAPPING #6 X 3/8"
47	1	021339-102	LEAD WIRE ASSY 6GG
48	1	021339-214	LEAD WIRE ASSY 42GG
49	1	041405-003-SP	VHB IR BRACKET ASSEMBLY
50	1	032459P008	LANYARD, BOTTLE FILLER
51	1	029199-103	FITTING, UNION TEE WHITE
52	1	028481-101	FITTING, UNION ELBOW WHITE
53	1	027189-008	SNAP BUSHING, 7/8
54	1	027189-001	SNAP BUSHING, 1-1/2
55	1	030152-034-SP	TUBE, PE WHITE 38"
56	1	017681-013-SP	INSULATION, SPONGE TUBE 38"

### PWFEBF Only

57	1	041410-002	FRAME ASSEMBLY, FILTER
58	1	041146-001	FILTER HEAD ASSEMBLY, SINGLE STAGE
59	2	026642-004	SCREW, HEX HD TAPPING #8 X 3/8"
60	2	029994-103	FITTING, ELBOW PLUG IN
61	1	041145-001	FILTER CARTRIDGE, VERSAFILTER III
62	2	030152-034-SP	TUBE, PE WHITE 38"

### Accessories:

**Vandal resistant screw kit:** P/N 036704-001, includes torx bits and replacement screws.

**Gasket Adapter Elkay/Halsey Taylor** P/N 041114-001

P/N 030099-680, Rev. A, Date: 11/2022

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## Illustrated Parts Breakdown

**Models: P8AC, PG8AC  
P8ACSL, PG8ACSL**



### SPECIFICATIONS:

#### **Models: P8AC, PG8AC**

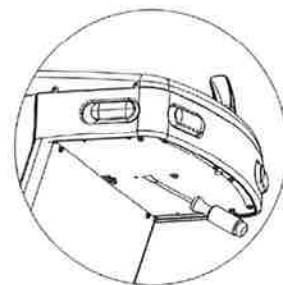
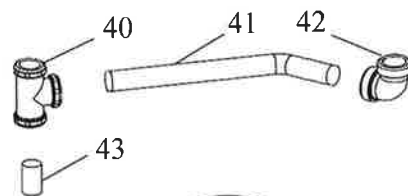
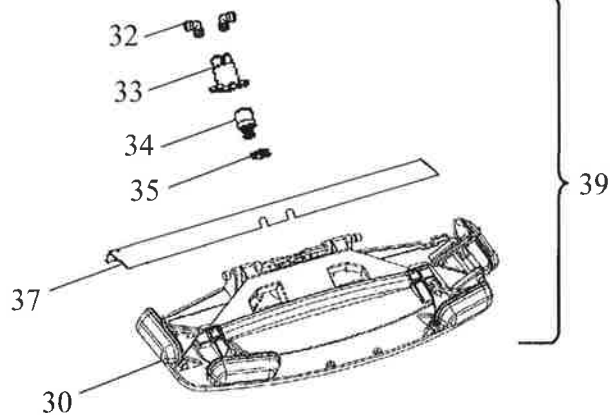
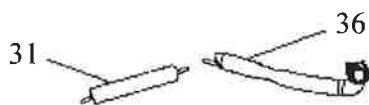
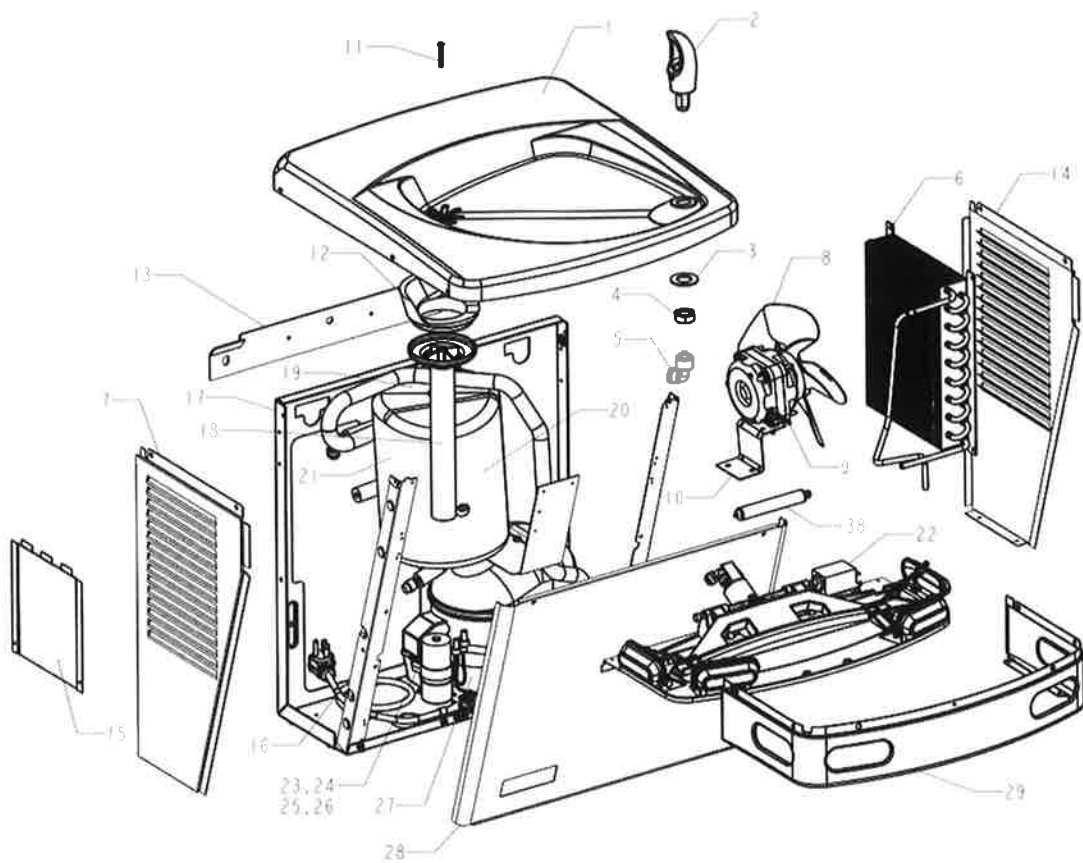
Voltage	115VAC±10%/1 PH/60 Hertz
Size	17 5/8" W, 18 5/8" D, 18 29/32" H
Shipping Weight (Approx)	59 lbs.
Cold Water Capacity*	8 GPH
Compressor	1/4 hp
Refrigerant	134a
Compressor (Full Load) - Huayi	4.4 amps
Refrigerant Charge - Huayi	3.95 OZ
Compressor (Full Load) - Danfoss	4.8 amps
Refrigerant Charge - Danfoss	4.75 OZ

#### **Models: P8ACSL, PG8ACSL**

Voltage	115VAC±10%/1 PH/60 Hertz
Size	35 1/4" W, 18 5/8" D, 24 29/32" H
Shipping Weight (Approx)	84 lbs.
Cold Water Capacity*	8 GPH
Compressor	1/4 hp
Refrigerant	134a
Compressor (Full Load) - Huayi	4.4 amps
Refrigerant Charge - Huayi	3.95 OZ
Compressor (Full Load) - Danfoss	4.8 amps
Refrigerant Charge - Danfoss	4.75 OZ

\*Room Temperature 90°F; Supply Water Temperature 80°F; Drinking Water Temperature 50°F.

Specifications subject to change without notice.

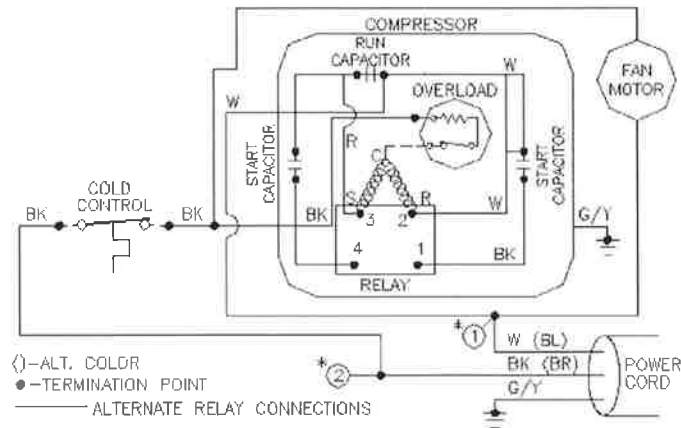


To adjust stream height, insert a 1/8" Flat blade screwdriver into the slotted hole as shown. The screwdriver will engage the stream height adjuster in the cartridge plunger. Turn clockwise to increase stream height, or counter clockwise to reduce stream height.

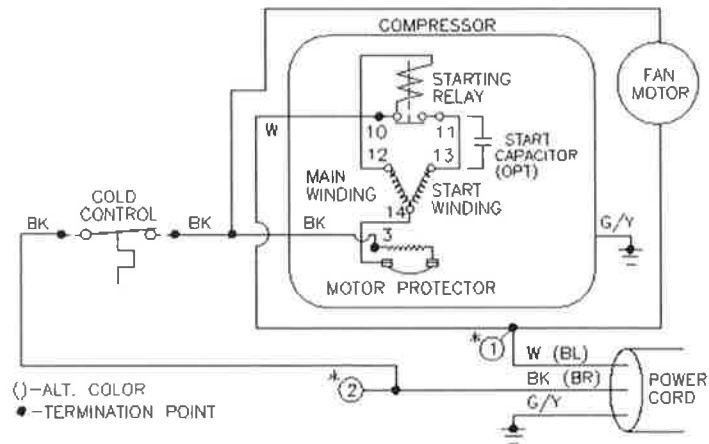
Parts List				
Item #	Description	PG8AC	PG8ACS	PGACS
1	Top, New Design - Requires 031756-003 Waste Drain Gasket	038934-101	038934-101	038934-101
2	Bubbler, Antimicrobial	035607-111	035607-111	035607-111
3	Washer, Undertop	028706-030	028706-030	028706-030
4	Locknut	026824-019	026824-019	026824-019
5	Bubbler Nut W/JG	036026-001	036026-001	036026-001
6	Condenser	031766-201	031766-201	N/A
7	Side Panel, Left Sandstone	035080-009	035080-309	035080-009
	Side Panel, Left Greystone	035080-001	035080-301	035080-001
	Side Panel, Left Stainless Steel	035080-010	035080-310	035080-010
8	Blade, Fan - (H3XX & D3X1 series)	024033	024033	N/A
	Blade, Fan - (D3X3 & D3X4 Series) Included with 038813-001 Fan Motor	038773-002	038773-002	N/A
9	Motor, Fan - (H3XX & D3X1 series)	027354-036	027354-036	N/A
	Motor, Fan - (D3X3 & D3X4 Series) Includes 038773-002 Fan Blade	038813-001	038813-001	N/A
10	Bracket, Fan Motor	036478-001	036478-001	N/A
11	Drain Screw	036049-002	036049-002	036049-002
12	Waste Gasket - (H3XX & D3X1 series)	031756-002	031756-002	031756-002
	Waste Gasket - (D3X3 & D3X4 Series) for new top design 038934-101	031756-003	031756-003	031756-003
13	Hanger Bracket	031363-002	031363-002	031363-002
14	Side Panel, Right Sandstone	035081-009	035081-009	035081-309
	Side Panel, Right Greystone	035081-001	035081-001	035081-301
	Side Panel, Right Stainless Steel	035081-010	035081-010	035081-310
15	Patch Plate, Sandstone	N/A	036142-009	036142-009
	Patch Plate, Greystone	N/A	036142-001	036142-001
	Patch Plate, Stainless Steel	N/A	036142-010	036142-010
16	Service Cord	036820-001	036820-001	N/A
17	Frame	035089-001	035089-001	035089-001
18	Waste Assy	036011-001	036011-002	036009-002
19	Insulation Right Cooling Tank	035088-001	035088-001	N/A
20	Insulation Left Cooling Tank	035088-002	035088-002	N/A
21	Cooling Tank, Insulated - Huayi	033469-055-SP	033469-055-SP	N/A
	Cooling Tank, Insulated - (D300, D3X1 & D3X3 Series)	033469-001	033469-001	N/A
	Cooling Tank, Insulated - (D3X4 Series)	033469-060	033469-060	N/A
22	Cold Control	027040-039	027040-039	N/A
23	Relay - Huayi	036056-003	036056-003	N/A
	Relay/Overload Combo - Danfoss	032836-007	032836-007	N/A
24	Overload - Huayi	036055-003	036055-003	N/A
25	Start Capacitor - 60 MFD - Huayi	027956-008	027956-008	N/A
	Start Capacitor - Danfoss	027956-004	027956-004	N/A
26	Run Capacitor - 25 MFD - Huayi	027956-009	027956-009	N/A
27	Compressor Assy. - Huayi	036115-001	036115-001	N/A
	Compressor Assy. - Danfoss	033425-006	033425-006	N/A
28	Front Panel, Sandstone	035079-009	035079-009	035079-009
	Front Panel, Greystone	035079-001	035079-001	035079-001
	Front Panel, Stainless Steel	035079-010	035079-010	035079-010
29	Front Nosepiece, Sandstone	035077-009	035077-009	035077-009
	Front Nosepiece, Greystone	035077-001	035077-001	035077-001
	Front Nosepiece, Stainless Steel	035077-010	035077-010	035077-010
30	Activation Assy.	035412-005-SP	035412-005-SP	035412-005-SP
31	Waterline, Tank to Valve	035504-011-SP	035504-011-SP	N/A
	Waterline, Inlet to Valve or Tank	035504-010-SP	035504-010-SP	035504-010-SP
32	Union Elbow Fitting JG	028481-101	028481-101	028481-101
33	Cartridge Holder	035990-001	035990-001	035990-001
34	Cartridge	029967-005	029967-005	029967-005
	Cartridge	029967-002	029967-002	029967-002
35	Retaining Nut, Cartridge	A020957	A020957	A020957
36	Waterline, Valve to Bubbler	035504-013-SP	035504-013-SP	035504-013-SP
37	Shelf	035078-002	035078-002	035078-002
38	Drier	034343-003	034343-003	N/A
39	Activation Shelf	035092-110	035092-110	035092-110
40	Waste Tee	N/A	N/A	A020968
41	Waste Arm Assy.	N/A	N/A	026980-004
42	Waste Elbow	N/A	N/A	A020967
43	Waste Extension Tube	N/A	N/A	036010-016
Parts Not Shown				
	Strainer, In-Line	033264-003	033264-003	033264-003
	Supply Tube Extension	N/A	N/A	032312-001
	Screw, T15	031875-003	031875-003	031875-003
	Insert, Nameplate OASIS	020850	020850	020850

## Wiring Diagram: P8AC, PG8AC P8ACSL, PG8ACSL

### - H3 Series



### - D3 Series



## OASIS International

222 East Campus View Blvd. - Columbus, OH 43235 U.S.A.

614/861-1350 - Fax: 614/322-4557

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

**OWNER'S COPY**

**5 YEAR  
WATER COOLER LIMITED WARRANTY**

**FIRST YEAR:**

The Manufacturer promises the original purchaser (user) to repair, give credit for, or, at the Manufacturer's option, to replace any part of this water cooler which proves to be inoperative due to a defect in material or workmanship under normal use, for a period of one year from the date of original installation or for a period of eighteen (18) months after date of shipment from the factory, whichever occurs first. During the one year warranty, the Manufacturer will either replace, credit, or repair the water cooler through its approved service center, and provide labor and parts necessary to correct such inoperative condition at no charge, if it has been installed and operated in accordance with the written instructions furnished with the water cooler.

The cost of labor required to disconnect and reconnect plumbing and electrical connections will be the responsibility of the user (owner).

**SECOND THROUGH FIFTH YEAR:**

The Manufacturer promises within the second through fifth year to repair, give credit for (Pro-rated Value Based on the Remaining Warranty Period), or at its option, to replace any part of the sealed refrigeration system (compressor, condenser, evaporator, and interconnecting refrigerant lines) which prove to be inoperative due to a defect in material or workmanship. The Manufacturer will provide the labor at no charge through its approved service center, to install such parts of the sealed refrigeration system.

The cost of labor to diagnose a sealed refrigeration system failure or the cost of labor required to disconnect and reconnect plumbing and electrical connections, will be the responsibility of the user (owner).

**GENERAL PROVISIONS AND EXCLUSIONS:**

This warranty applies only within the Continental Limits of the United States of America and Canada.

This warranty does not apply and no agreement, either expressed or implied, shall be applicable if the affixed serial number is removed, defaced or obliterated.

This warranty does not apply if service of the sealed refrigeration system or parts furnished as original equipment by the Manufacturer are not obtained from an approved service center or the factory.

This warranty does not apply to any water components that become inoperative due to timing conditions.

This warranty does not apply to any water cooler or components that become inoperative because of a failure to satisfy standards or regulations adopted by any government or agency thereof subsequent to the date of shipment from the factory.

This warranty does not cover performance, failure or damages of any part resulting from external causes such as alterations, abuse, misuse, misapplication, corrosion or acts of God.

This warranty does not apply to non-refrigerated water fountains, cuspidors, dispensers and accessories, nor the following models: VP13FSN; ER2-RR; TPK; ER2; R1P. These products and models have individual warranties.

**WARNING**

The warranty and the Underwriters' Laboratory listing for this machine are automatically voided if this machine is altered, modified, or combined with any other machine or device. Alteration or modification of this machine may cause serious flooding and/or hazardous electrical shock or fire.

Except as set forth herein, the Manufacturer makes no other warranty, guarantee or agreement expressed, implied or statutory, including any implied warranty of merchantability or fitness for a particular purpose.

The foregoing is in lieu of all other agreements expressed, implied or statutory and all other obligations or liabilities of the Manufacturer. The Manufacturer does not assume or authorize any person to assume any obligations of liability in connection with this product. In no event will the Manufacturer be liable for special or consequential damages or for any delay in the performance of this agreement due to causes beyond their control.



OASIS INTERNATIONAL

222 East Campus View Blvd. • Columbus, OH 43235 U.S.A.

1-800-950-3226

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

OASIS is a registered trademark of LVD Acquisition, LLC dba OASIS International

020036 Rev R

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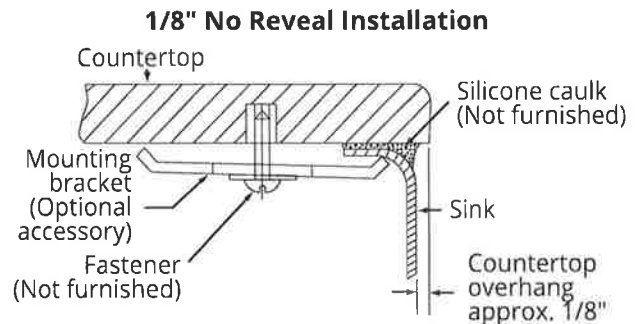
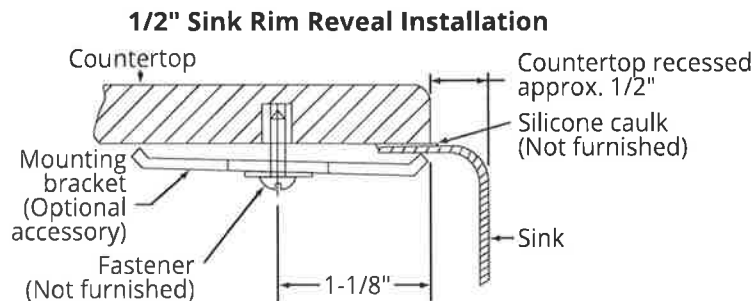


**P-6**

## Attention Installer:

- Elkay recommends that undermount sinks be installed by a professional, experienced installer.
- Enclosed in the sink carton is a cutout template that can be used to make the countertop cutout per the installation type of the sink model purchased (1/2" sink rim reveal or a 1/8" no reveal). For sink models that have a cutout template with both a reveal and no reveal option, please use caution in selecting the correct outline on the template for your desired installation type. Your installer may also retrieve the desired DXF file from our website, [www.elkay.com](http://www.elkay.com).
- Elkay undermount sinks should only be fastened to a solid surface countertop (i.e. granite / Corian®). Elkay recommends that the sink cutout and mounting holes be cut by the countertop fabricator prior to installation.
- Elkay is not responsible for the sink or countertop if damaged during installation.
- Metal edges may be sharp. Use caution when handling.
- Follow all local plumbing and building codes.
- Inspect sink for damage prior to beginning installation.

## Installation Profiles



## Required Tools (not included)



## Installation



**WARNING:** Always wear safety goggles and gloves when installing the sink to prevent personal injury.

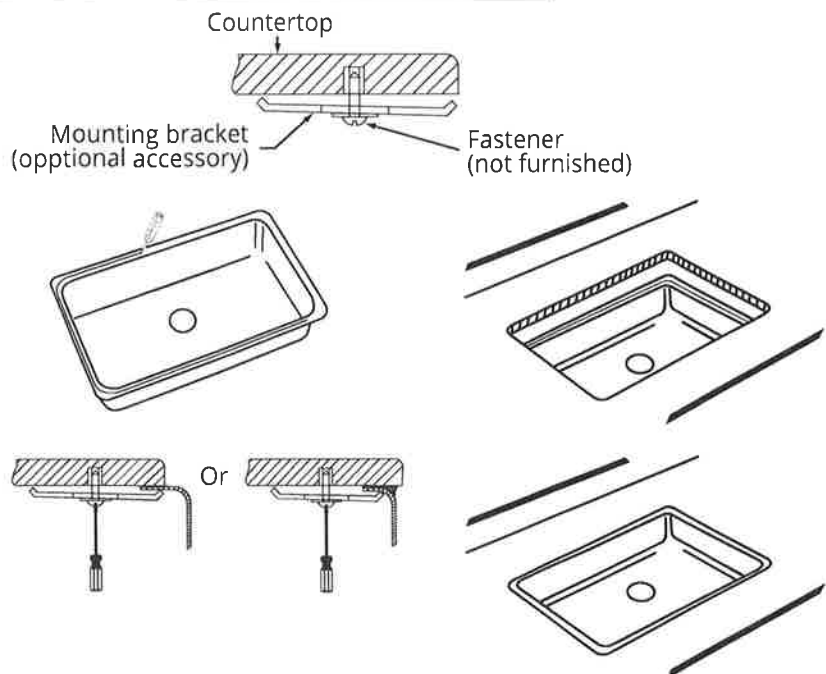
- 1 Fasten the mounting brackets (optional accessory - LKUCLIP8) loosely into the pre-drilled mounting holes in the countertop.
- 2 Apply silicone caulk (not included) evenly around the top of the sink flanges.

Position and align the sink under the countertop opening. Press the silicone and flange up onto the countertop.

- 3 From the underside, lightly tighten the fasteners with a screwdriver until the sink is snug against the countertop.

Check alignment of the sink to the countertop opening and then tighten the fasteners until the sink is tight against the countertop. Do not over tighten.

Wipe away any excess caulk with a rag.





## **Elkay Stainless Steel Sink Care and Cleaning**

With proper care and maintenance, your Elkay stainless steel sink will give you a lifetime of service. Below are the suggestions for the care and cleaning of your Elkay sink.

### **General Cleaning**

It is recommended to clean Elkay sinks daily to avoid build-up of soap or mineral deposits, as these tend to have an adverse effect on the appearance of the product. For daily cleaning use an ordinary mild detergent and soft cloth to rinse and dry the sink. Allowing water or cleaners to evaporate on metal will negatively impact the look of the sink. To avoid this, it is important to dry the sink after each use.

- To avoid unwanted build-up, it is recommended to dry your sink after each use.
- Soft abrasive cleaners may be used when necessary (Blue Scotch-Brite Pads). Strong abrasive cleaners will scratch and dull the surface (Green Scotch-Brite Pads).

### **Do's**

- It is recommended the use of an Elkay bottom grid or rinsing basket to protect your sink.
- Run cold water when pouring boiling water into sink.
- It is recommended that you clean your sink prior to first use.

### **Do Not's**

- Avoid storing open containers of household cleaners and chemicals containing chloride such as bleach, acid, and drain cleaners or toilet bowl cleaner beneath the sink. Vapor emission from the chlorides can cause corrosion and pitting to the exposed stainless steel and other metals including faucet water supply lines.
- Do not use dish mats as these can trap soap and dirt making sink maintenance more time-consuming and cultivate harmful bacteria.
- Do not leave standing water in your sink, especially if the water contains anything that could stain the sink (i.e. coffee or tea).

### **Stainless Steel**

Light scratches are normal for stainless steel sinks; over time they will blend into the uniform finish pattern.

- Steel soap pads, steel wool, or wire brushes should never be used; particles can adhere to a stainless steel sink surface and will eventually rust. If an abrasive pad must be used Elkay recommends Scotch-Brite Non-Scratch (blue Scotch-Brite pad).
- Do not use cleaners containing ammonia, bleach, or other harsh chemicals. Chemicals containing chlorides (bleach) are particularly damaging to stainless. If used, rinse the surface immediately to prevent corrosion.

### **Recommended Cleaning Products:**

- Bar Keeper's Friend Soft Cleanser
- Stainless steel cleaner & polish
- Or any mild detergent



## Elkay Stainless Steel Sink Care and Cleaning

*Success with cleaners are dependent on the quality of the water being used. Failure to follow care and cleaning will void your warranty. For additional information, please visit [elkay.com](http://elkay.com).*

### Home Remedies

- For major stains or grime on your sink, a mixture of a half a cup of white vinegar and a half cup of water will help. Dip a cloth into the solution and rub away the grime or stain. The solution should then be rinsed off and dried to prevent damage to your sink's finish.
- Another solution for major grime or stains, is a small amount of baking soda and water on a toothbrush. This should remove any nasty stains. Again the solution should then be rinsed off and dried to prevent damage to the finish of your sink.

DO NOT allow any part of your Elkay sink to soak in either of the above mixtures. It is also recommended to test the above mixtures on an unseen part of your faucet to see what affect it has to the finish of your sink.



## **Elkay Residential Stainless Sinks Limited Lifetime Warranty**

Elkay warrants to the original purchaser of an Elkay stainless steel sink that Elkay will, at its option, replace or repair, without charge, such product if it fails due to a manufacturing defect for a lifetime of normal residential use. Product replacement does not include transportation cost or labor installation cost. This warranty covers only stainless steel self-rimming drop-in sinks installed in a conventional countertop surface and stainless steel undermount sinks installed in a conventional solid surface countertop and applies to residential installations only. Elkay reserves the right to examine product in question and its installation prior to repair or replacement.

Elkay waste fittings and accessories are warranted for 1 year from the date of purchase.

### **Other Warranty Conditions on Sinks**

This warranty applies to sinks purchased after March 1 2001 as shown on the purchaser's dated receipt. For sinks purchased prior to March 1 2001, the applicable warranty at that time will be in effect. Our warranty does not cover product failure or damage caused by the use of optional accessories, abusive treatment, misuse, environmental factors, normal wear including dents and scratches, improper care and cleaning, use of aggressive and abrasive cleaners, damage due to handling or failure to follow the recommended procedures for installation, care and maintenance as detailed in the installation and care guide provided with every sink. This warranty is extended only to the original consumer purchaser of the product.

This warranty does not cover shipping costs, labor costs, or any other charges for such items as installation or replacement of the sink, diagnosis or replacement of any faucet or component part, or any other expense or loss.

**All incidental or consequential damages are specifically excluded. No additional warranties, express or implied are given, including but not limited to, any implied warranty of merchantability or fitness for a particular purpose.**

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### **To Obtain Service Under Warranty**

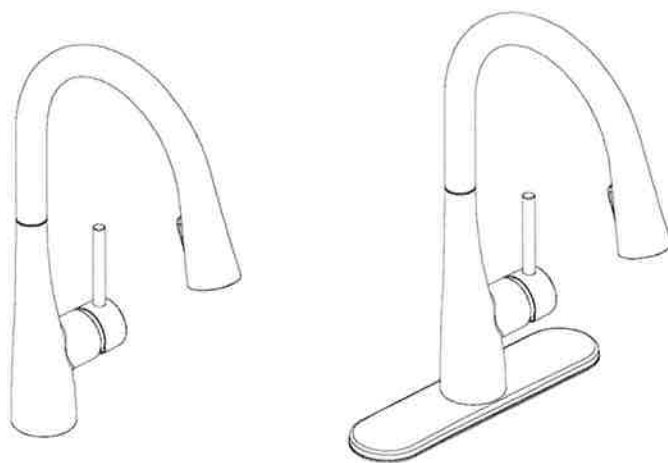
1. Write to: Elkay Manufacturing Company  
Attention: Consumer Care  
1333 Butterfield Road, Suite 200  
Downers Grove, Illinois 60515
2. Include a letter containing the following information:
  - a. Date of purchase and installation.
  - b. Proof of Purchase (copy of original dated invoice)
  - c. Description of nature of defect.
  - d. Model number or description of model and/or component part if possible.

**ELKAY®**

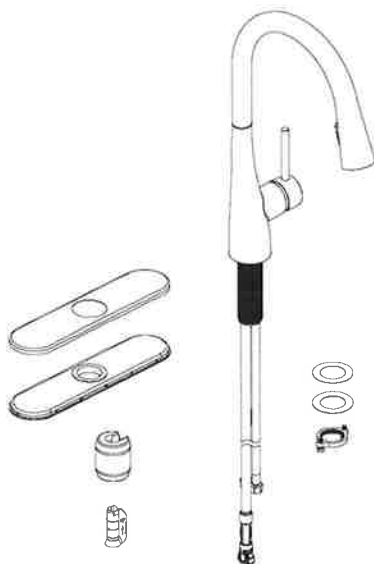
## **INSTALLATION / OWNER'S MANUAL**

Single Handle Kitchen Faucet

Model # LKGT4083



### **INCLUDES:**



### **RECOMMENDED TOOLS:**



Groove joint pliers



Wrench



Screwdriver



Sealant Tape



Plumber's Putty

**SAVE FOR CONSUMER**

**WARNING:** Please carefully read and properly follow the instructions for installation found in this manual.

## STEPS:

1



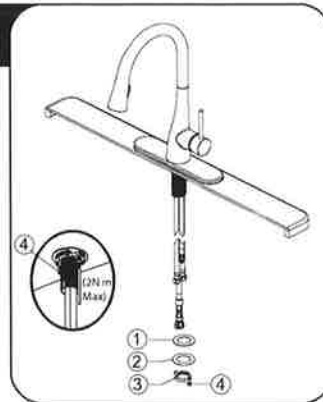
Optional Flange Installation:  
Before installation, place the faucet assembly through the mounting hole in sink.

2



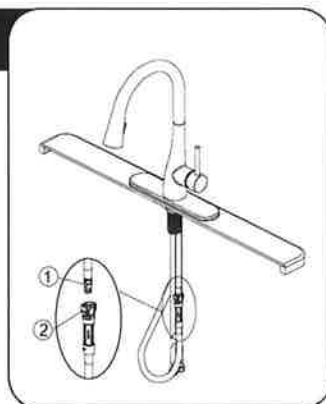
Optional Deck Plate Installation:  
Before installation, align the hole in the gasket (1) and deck plate (2) with the mounting hole in the sink. Place the faucet assembly through the deck plate (2) and mounting hole in the sink until the faucet assembly sets on top of deck plate (2).  
NOTE: If the sink is uneven, use silicone under the gasket (1).

3



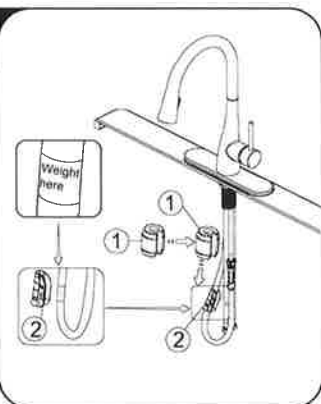
Secure the faucet assembly with the washers (1&2) and nut (3). Hand tighten the nut (3) onto the faucet assembly. Lock the nut (3) into position by tightening the screws (4) with a phillips screwdriver.

4



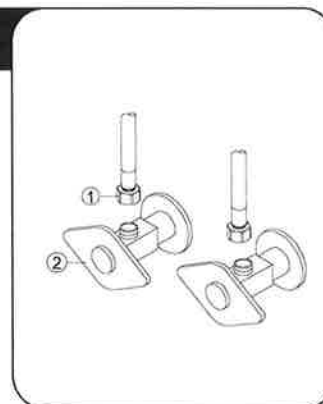
Align male fitting (1) and tabs (2) on quick connector. Push quick connector housing firmly upward and snap onto receiving male fitting. Pull down moderately to ensure connection has been made.

5



Install the weight clip (2) at the point of the hose marking "Weight here". Insert the weight (1) onto the clip (2) by sliding it down onto the clip (2).

6



Make connections to water lines. Thread the nut (1) on the supply line onto the outlet of the water supply valve (2) and tighten with a wrench. Do not overtighten.

7



Important: after installation is completed, turn on hot and cold water supplies. Check for leaks. Pull the hose assembly out of the spout and remove the spray head by unscrewing it from the hose counterclockwise. Be sure to hold the end of the hose down into the sink and turn the faucet on to the warm position where it mixes hot and cold water. Flush water lines for one minute. Check for leaks. Re-tighten any connections if necessary, but do not overtighten. Reinstall spray head by hand tightening it back onto the spray hose.

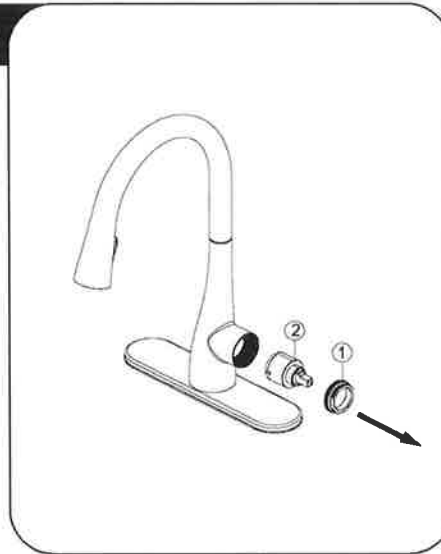
## CARTRIDGE REPLACEMENT

1



Shut off water supply. With valves in "closed" position, remove handle (1) from handle seat (3). Loosen the set screw (2) and unscrew the cap (4) from the cartridge nut (5).

2



Loosen cartridge nut (1) by turning it counter-clockwise and lift out the cartridge (2). Insert new cartridge. Reinstall the handle.

## CARE AND CLEANING INSTRUCTIONS

Congratulations on your purchase of an Elkay product. Although your product is extremely durable, attention should be given to the care, cleaning and maintenance of this product. Cleaning agents and abrasives may cause damage, which may result in oxidation and discoloration.

By following these simple guidelines for proper care and cleaning, it will give you years of enjoyment:

**TO CLEAN:** Simply wipe gently with a damp cloth and blot dry with a soft towel. A common rule of thumb is: when you dry off, dry off your product.

- Avoid build-up of soap, toothpaste or mineral deposits, as these tend to have an adverse effect on the appearance of the product.
- NEVER use cleaning products of any kind on this product - especially those containing ammonia, bleach or alcohol - or those with any form of abrasive.

### FOR CARE AND MAINTENANCE:

- The water in certain areas of the world can be very caustic - standing water around the product can cause damage. Be sure to remove standing water with a dry, soft cloth as soon as possible.
- For polished brass finishes, as often as once a week, you can apply a paste wax or special, non-abrasive, brass coating (DO NOT APPLY POLISH).
- Before applying a protective coating, gently brush the entire fixture using a soft tooth brush. This will remove any dirt or deposit build-up.
- These simple steps will add temporary protective coating to your faucet and extend the life of the finish.

Failure to follow care and cleaning will void your warranty. For additional information, please visit [elkayusa.com](http://elkayusa.com).



## WARRANTY

### ELKAY LIMITED LIFETIME WARRANTY

#### ELKAY LIMITED LIFETIME WARRANTY

Elkay warrants that all parts and finishes of the Elkay Residential brand faucets are free from defects in materials and workmanship for the life of the product, if purchased after 1996. This warranty covers the original consumer purchaser of the product only. If the product should leak or drip during normal use, Elkay will provide, free of charge, a replacement cartridge. For other defects in material or workmanship, Elkay will, at its option, supply replacement parts (or if no longer available a comparable product). Elkay reserves the right to examine product in question and its installation prior to replacement.

#### What is not covered:

1. Damage caused by accident, negligence, misuse, abuse, improper installation or operation or failure to follow care or installation instructions enclosed with your product.
2. Damage occurring during shipment of the product (claims must be presented to the carrier).
3. Normal wear and tear.
4. Labor charges, costs of removal and reinstallation, and any damages to other property.
5. All industrial, commercial and business use whose purchasers are hereby extended a limited lifetime on mechanical parts and 5 years on finish.

#### What you must do to obtain warranty service:

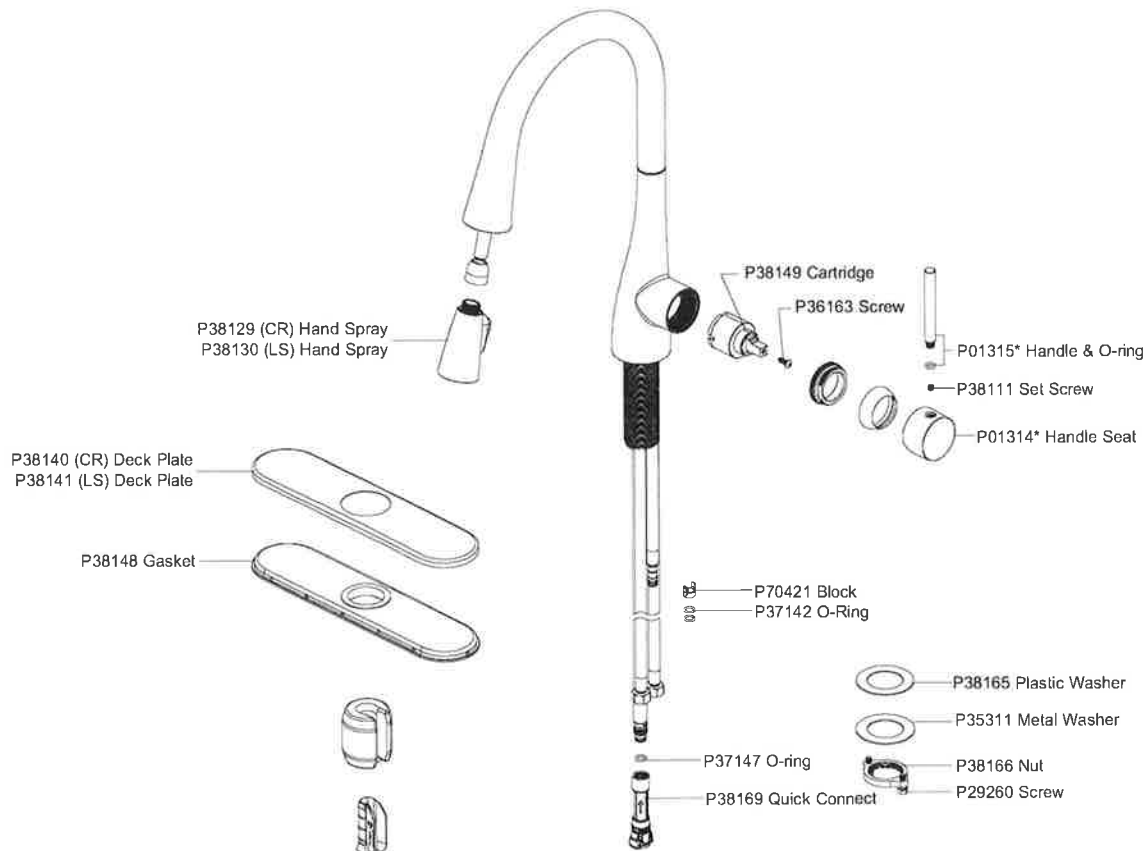
Either write to Elkay Manufacturing Company, attention Consumer Care, 1333 Butterfield Road, Suite 20 Downers Grove, Illinois 60515 or call 1-800-223-5529. Please provide date of purchase and installation, description of nature of the defect, and model number or description of model and/or component part.

THIS LIMITED WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED IMPLIED, ARISING BY LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY MAY NOT BE ALTERED, VARIED, OR EXTENDED, EXCEPT BY A WRITTEN INSTRUMENT EXECUTED BY ELKAY. THE REMEDY OF REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS LIMITED WARRANTY IS EXCLUSIVE. IN NO EVENT SHALL THE MANUFACTURER BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES TO ANY PERSON, WHETHER OR NOT OCCASIONED BY NEGLIGENCE OF ELKAY, INCLUDING WITHOUT LIMITATION DAMAGES FOR LOSS OF USE, COSTS PROPERTY DAMAGE OR OTHER MONETARY LOSS.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This warranty covers product installed in the United States and Canada.

## REPLACEMENT PARTS



# **ELKAY®**

## **Elkay Faucet Care and Cleaning**

With proper care and maintenance, your Elkay faucet will give you a lifetime of service. Below are the suggestions for the care and cleaning of your Elkay Faucet.

### **Faucet Cleaning**

- Clean faucets daily to avoid build-up of soap or mineral deposits, as these tend to have an adverse effect on the appearance of the product.
- For typical cleaning, wipe faucet well with a damp cloth and dry thoroughly with a soft towel. Drying helps avoid water spots.
- DO NOT use cleaning products containing ammonia, bleach, alcohol or other harsh chemicals and DO NOT use any form of abrasives (e.g. abrasive sponges or steel wool) which are damaging to metal surfaces.
- Faucet spray faces may become dirty over time. With Elkay's easy-clean rubber spray face, cleaning is as easy as rubbing with a finger to clean. This is recommended to do on a daily basis.

### **Chrome**

With chrome finished faucets common household cleaners (e.g. dish soap) can be used.\* However, cleaners should be rinsed off thoroughly and the faucet should be dried.

### **Oil Rubbed Bronze**

With oil rubbed bronze faucets Windex original can be used.\* However, cleaners should be rinsed off thoroughly and the faucet should be dried.

\*Though household cleaners CAN be used, simply using a damp towel and drying thoroughly is still recommended.

### **Care and Maintenance**

- These simple steps will extend the life of your faucet.
- The water in certain areas of the world can be very caustic - standing water around the product can cause damage. Be sure to remove standing water with a dry, soft cloth as soon as possible.
- For chrome and brushed finishes, as often as once a week, you can apply a paste wax or special, non-abrasive, brass coating (for polished brass)
- Before applying a protective coating (paste wax), gently brush the entire fixture using a soft tooth brush. This will remove any dirt or deposit build-up.
- DO NOT APPLY POLISH

### **Replacing Parts**

If your Elkay faucet is leaking it may be time to replace the faucet's cartridge. To learn more about this process, please reference this [article on replacing your cartridge](#). However, Elkay recommends that replacing a cartridge should be done by a professional.

Failure to follow care and cleaning will void your warranty. For additional information, please visit [Elkay.com](http://Elkay.com).



## Elkay Faucet Care and Cleaning

### Home Remedies for Cleaning

- For major stains or grime on your faucets, a mixture of a half a cup of white vinegar and a half cup of water will help. Dip a cloth into the solution and rub away the grime or stain. The solution should then be rinsed off and dried to prevent damage to the finish of your faucet.
- The above mixture is also recommended for spray faces with built up debris. Use a toothbrush with this mixture to try to dislodge any debris obstructing the water flow.
- Another solution for major grime or stains, is a small amount of baking soda and water on a toothbrush. This should remove any nasty stains. Again, the solution should then be rinsed off and dried to prevent damage to the finish of your faucet.
- DO NOT allow any part of your Elkay faucet to soak in either of the above mixtures. It is also recommended to test the above mixtures on an unseen part of your faucet to see what affect it has to the finish of your faucet.



## **Elkay Residential Faucets Limited Lifetime Warranty**

Elkay warrants that all parts and finishes of its Elkay Residential brand faucets are free from defects in materials and workmanship for the life of the product. This warranty is extended only to the original consumer purchaser of the product.

If the product should leak or drip during normal use, Elkay will provide, free of charge, a replacement cartridge. For other defects in material or workmanship, Elkay will, at its option, supply replacement parts (or a comparable product). Elkay reserves the right to examine product in question and its installation prior to supplying replacement parts or a comparable product.

### **What is not covered:**

1. Damage caused by accident, negligence, misuse, abuse, improper installation or operation or failure to follow care or installation instructions enclosed with your product.
2. Damage occurring during shipment of the product (claims must be presented to the carrier).
3. Normal wear and tear.
4. Labor charges, costs of removal and reinstallation, and any damages to other property.
5. All industrial, commercial and business use (whose purchasers are hereby extended a limited lifetime on mechanical parts and 5 years on finish).
6. Obsolete, discontinued nor display products, whether such items are purchased at discount outlets and/or on-line or sold on clearance or close out.

**This limited warranty is expressly in lieu of any other warranties, expressed implied, arising by law or otherwise, including without limitation, any implied warranty of merchantability or fitness for a particular purpose. This limited warranty may not be altered, varied, or extended, except by a written instrument executed by Elkay. The remedy provided under this limited warranty is exclusive. In no event shall the manufacturer be liable for any consequential or incidental damages to any person, whether or not occasioned by negligence of Elkay, including without limitation damages for loss of use, costs property damage or other monetary loss.**

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty covers product installed in the United States and Canada.

### **To Obtain Service Under Warranty**

1. Write to: Elkay Manufacturing Company  
Attention: Consumer Care  
1333 Butterfield Road, Suite 200  
Downers Grove, Illinois 60515
2. Include a letter containing the following information:
  - a. Date of purchase and installation.
  - b. Proof of Purchase (copy of original dated invoice)
  - c. Description of nature of defect.
  - d. Model number or description of model and/or component part if possible.



a Bead Industries, Inc. company

## Warranty, Terms and Return Policies

**TERMS:** All sales are subject to credit approval. Terms are 2% ten days – net 30.

**RETURNED GOODS:** Requests for returning purchased items are subject to factory approval.

A Returned Goods Authorization (RGA) must be obtained from the factory prior to any return. Returned merchandise must be in their original cartons, listed in our current List Price Sheet and in clean saleable condition.

Restocking charge:

- Material that was shipped within 18 months of the return request is subject to a 25% restocking charge.
- Material that was shipped more than 18 months of the return request but less than 3 years is subject to a 50% restocking charge.
- Material returned more than 18 months after it was shipped is not subject to any stock rotation agreement.
- Material that was shipped more than 3 years before the return request is not returnable.
- Invoice dates as well as dates on packaging will control.

The restocking charge may be reduced if a new order of equal value is placed at the time the RGA is requested:

- 25% may be reduced to 15%
- 50% may be reduced to 35%

### **MINIMUM RETURN POLICY:**

Return requests less than \$200 net will be charged \$50 processing fee in lieu of any restocking charge.

### **INVOICE:**

We reserve the right to invoice all merchandise at prices in effect at time of shipment.

### **NO MINIMUM ORDER:**

Orders less than \$200 list will be invoiced at list price less 35% (.65 multiplier).

## **McGuire Manufacturing Co., Inc.**

60 grandview court • cheshire • ct • 06410

tel 203-699-1801 • fax 203-699-1813

[mcguiremfg.com](http://mcguiremfg.com)

[customerservice@mcguiremfg.com](mailto:customerservice@mcguiremfg.com)

**FREIGHT:**

We will pay freight on shipments within the continental United States when the order (pre-tax) totals more than \$2200 net. We select the method of shipment and carrier when we pay the freight.

## Limited Warranty Information

McGuire Manufacturing Co., Inc. (McGuire) warrants its product to be free from defects in material and workmanship for the period indicated below by product type measure from the date of purchase:

ITEM	WARRANTY PERIOD
Brass products	15 years
ProWrap	5 years
Eco P-Traps, Eco Strainers and Valve Strainers	1 year
Stainless Steel products	1 year
Lite Commercial P-Traps	1 year

McGuire's sole responsibility will be to replace, at no additional charge, any product which proves to be defective within the applicable warranty period. Shipping costs for product located outside the continental United States will be the sole responsibility of the customer. Duties and taxes, if levied, shall be the sole responsibility of the customer.

The above Limited Warranty shall not apply if the product has been damaged due to abuse, misuse, improper installation, accident, or other cause not within McGuire's control.

THE ABOVE LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY. ALL OTHER WARRANTIES ARE DISCLAIMED, WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL MCGUIRE BE RESPONSIBLE OR LIABLE FOR ANY SPECIAL INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOSSES ARISING FROM THE USE OF THIS PRODUCT.

McGuire may, at its option, alter the contents of this LIMITED WARRANTY at anytime. These changes will affect products manufactured after the effective date of this policy.

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[mcguiremfg.com](http://mcguiremfg.com)

[customerservice@mcguiremfg.com](mailto:customerservice@mcguiremfg.com)

**P-7**

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**⚠ DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.

**⚠ WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION** used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

**NOTICE** is used to address practices not related to personal injury.

**⚠ PELIGRO** indica una situación peligrosa que, si no se evita, provocará lesiones graves o incluso la muerte.

**⚠ ADVERTENCIA** indica una situación riesgosa, la cual, si no se evita, puede ocasionar lesiones graves o incluso la muerte.

**⚠ ATTENTION** empleado junto con el símbolo de alerta, indica una situación riesgosa, la cual, si no se evita, puede provocar heridas leves o moderadas.

**AVISO** hace referencia a prácticas que no presentan riesgos de generar lesiones personales.

**⚠ DANGER** indique une situation dangereuse qui, si elle n'est pas évitée, entraînera la mort ou une blessure grave.

**⚠ AVERTISSEMENT** indique une situation dangereuse qui, si elle n'est pas évitée, pourrait entraîner la mort ou une blessure grave.

**⚠ ATTENTION** utilisée avec le symbole d'avertissement de sécurité, indique une situation dangereuse qui, si elle n'est pas évitée, pourrait entraîner une blessure mineure ou modérée.

**AVIS** est utilisé pour décrire des pratiques qui ne sont pas liées à des blessures.

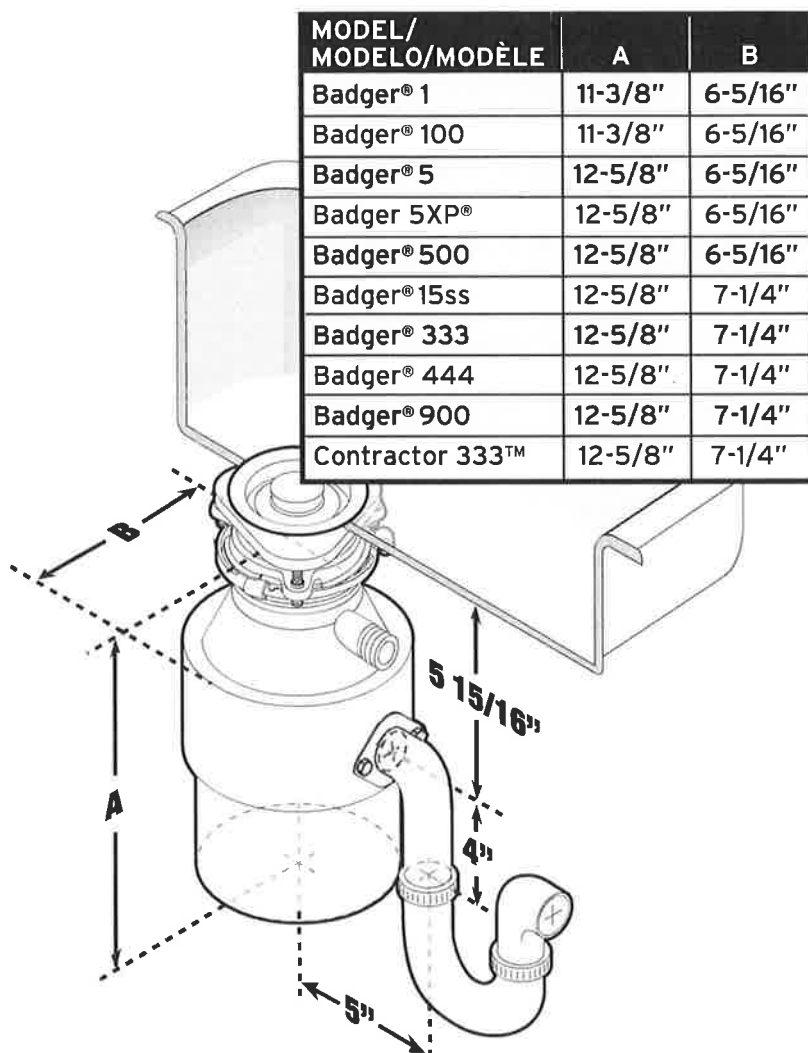
**Badger®**



⚠ Read all warnings before proceeding.

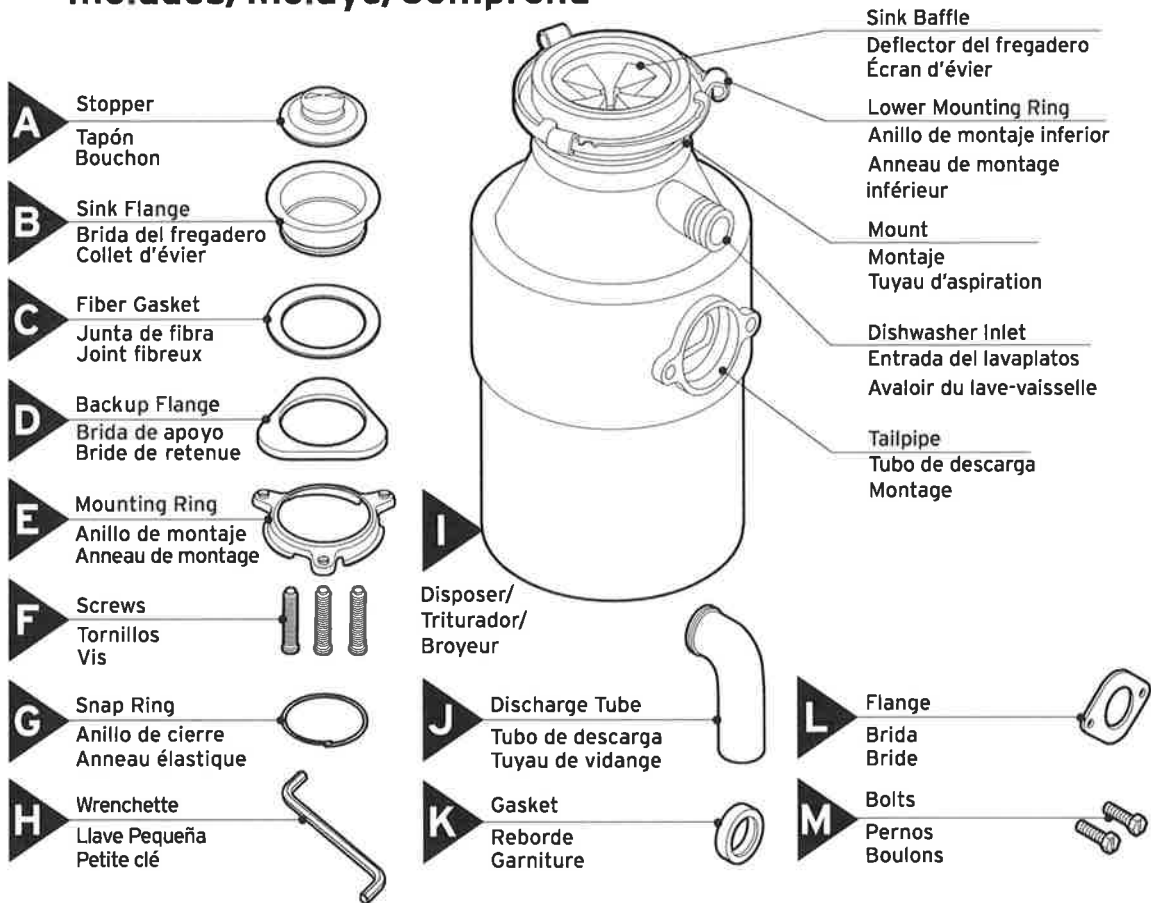
⚠ Lea todas las advertencias antes de continuar.

⚠ Lire tous les avertissements avant de procéder.



Dimensions/Dimensiones/Dimensions

## Includes/Incluye/Comprend



## Tools and Materials/Herramientas y materiales/Outils et pièces

Not Included/No incluidos/Non compris



Removal of old disposer/Extracción del triturador viejo/Retrait du broyeur usagé

1

If you are replacing an existing disposer, continue to Step 2. If there is no existing disposer, disconnect sink drain and skip to Step 9.

Si tiene que reemplazar un triturador existente, continúe con el Paso 2. Si no existe un triturador, desconecte el desagüe del fregadero y continúe con el Paso 9.

En cas de remplacement d'un broyeur existant, pas-ser à l'étape 2. Dans le cas contraire, déconnecter le drain de l'évier et passer à l'étape 9.

**WARNING/ADVERTENCIA/AVERTISSEMENT**

**SHOCK HAZARD**

Turn off electric power at fuse box or circuit breaker.

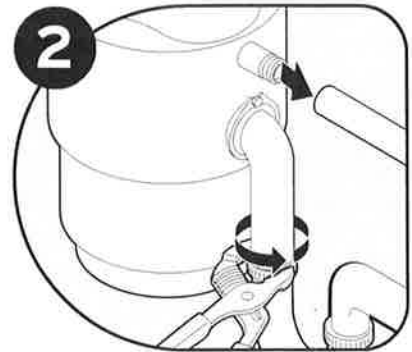
**PELIGRO DE DESCARGA ELÉCTRICA**

Desconecte el suministro eléctrico desde la caja de fusibles o el interruptor de circuito.

**DANGER D'ÉLECTROCUTION**

Couper l'alimentation électrique au boîtier de fusibles ou de disjoncteurs.

2



Disconnect electrical power at fuse box or circuit breaker box. Disconnect drain trap from waste discharge tube. Disconnect dishwasher if connected to the disposer./Desconecte el suministro de energía en la caja de fusibles o de cortacircuitos. Desconecte la trampa de desagüe del tubo de descarga de desperdicios. Desconecte el lavaplatos si está conectado al triturador./Déconnecter la source de courant électrique au niveau du disjoncteur ou des fusibles. Déconnecter le robinet de vidange du tube de vidange. Déconnecter le lave-vaisselle s'il est connecté au broyeur.

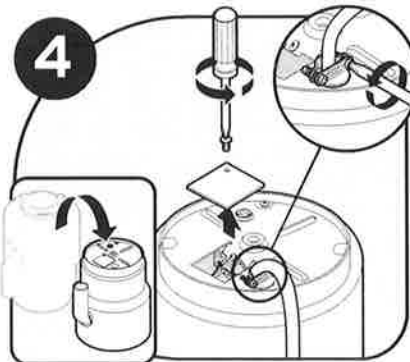
3



**WARNING/ADVERTENCIA/AVERTISSEMENT**  
Falling Hazard  
Peligro de caída  
Danger de chute

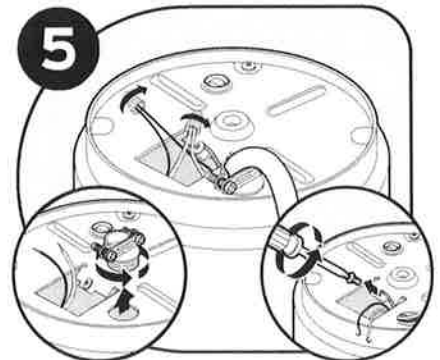
Support disposer, insert end of wrenchette (H) into right side of mounting lug, and turn. Disposer will fall free./Sostenga el triturador, inserte el extremo de la llave (H) en el lado derecho de la aleta de montaje y gírela. El triturador se liberará./Soutenir le broyeur, insérer l'extrémité de la petite clé (H) dans le côté droit de la patte de fixation et tourner. Le broyeur chutera librement en place.

4



Flip disposer over and remove electrical cover plate. Save cable connector if applicable./Dé vuelta el triturador y retire la placa de protección eléctrica. Guarde el conector del cable si corresponde./Renverser le broyeur et retirer la plaque électrique. Conserver le connecteur de câble s'il y a lieu.

5



Disconnect the disposer wires from the electrical supply./Desconecte del suministro eléctrico los cables del triturador./Débrancher les fils du broyeur de l'alimentation électrique.

Is the new disposer mounting the same as the old one?

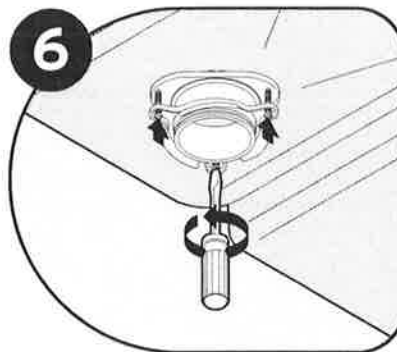
If YES, skip to step 15.  
If NO, continue to Step 6.

¿El montaje del triturador nuevo es el mismo que el del viejo?

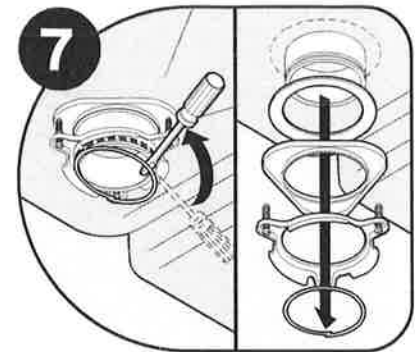
Si la respuesta es SÍ, continúe en el paso 15.  
Si la respuesta es NO, continúe en el paso 6.

Est-ce que le montage du nouveau broyeur est le même que celui de l'ancien?

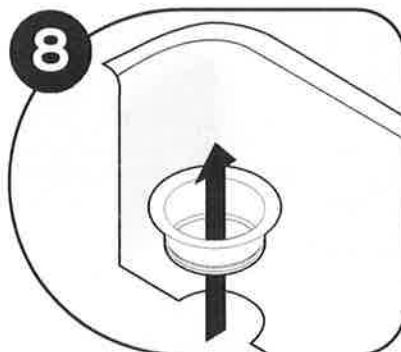
Si OUI, passer à l'étape 15.  
Si NON, passer à l'étape 6.



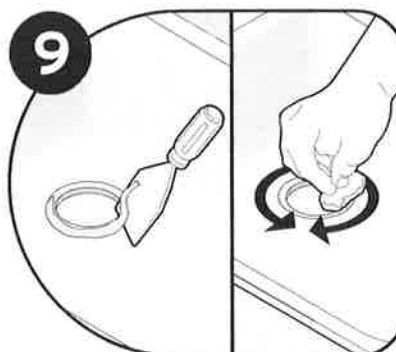
Using a flathead screwdriver, loosen the 3 screws on the mounting assembly./Con un destornillador de punta plana, afloje los 3 tornillos del conjunto de montaje./Au moyen d'un tournevis à tête plate, desserrer les trois vis du montage de base.



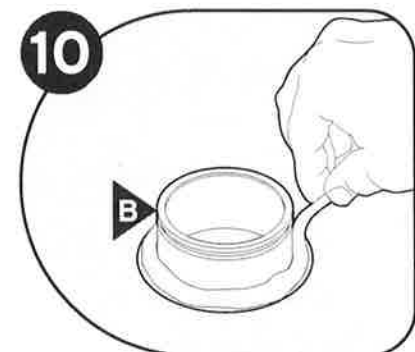
Using a flathead screwdriver, pry off the snap ring./ Con un destornillador de punta plana, saque el anillo de cierre./Au moyen d'un tournevis à tête plate, retirer l'anneau élastique.



Remove flange from sink./Retire la brida del fregadero./Retirer le collet de l'évier.

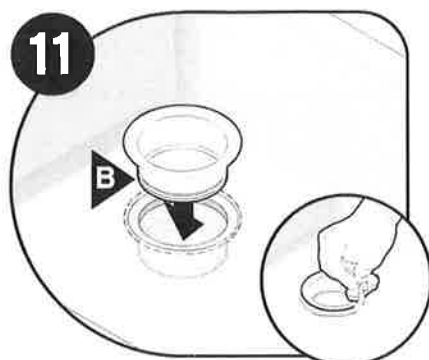


Remove old plumber's putty from sink with putty knife./Retire la masilla de plomería vieja del fregadero con una espátula para masilla./Enlever le mastic de plomberie usagé au moyen d'un couteau à mastic.

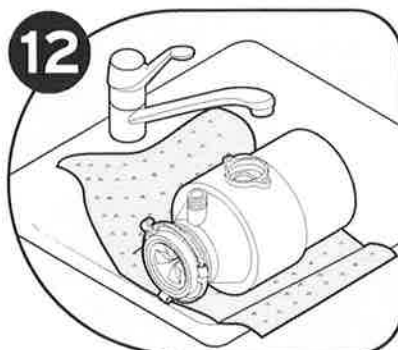


Evenly apply 1/2" thick rope of plumber's putty around sink flange (B)./Aplique una tira gruesa de masilla de plomería, de 1/2" (1.3 cm), en forma uniforme alrededor de la brida (B)./Appliquer uniformément un cordon de mastic de plomberie de 1/2" (1,3 cm) d'épaisseur autour du collet (B).

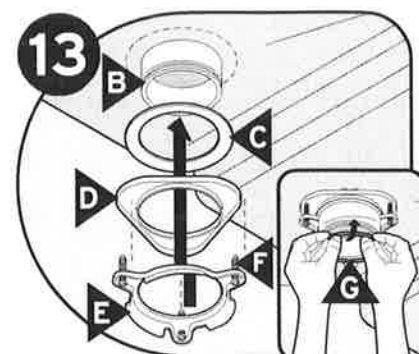
## Installation/Instalación/Installation



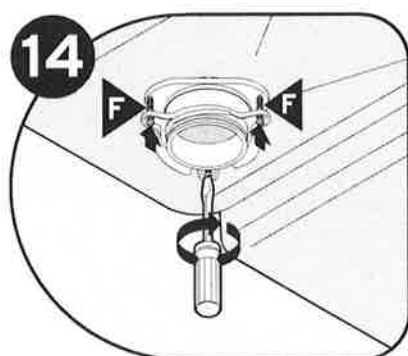
Press sink flange (B) firmly into sink drain. Remove excess putty./Presione la brida (B) firmemente en el desagüe del fregadero. Retire la masilla sobrante./ Enfoncer le collet (B) fermement dans le drain de l'évier. Enlever l'excès de mastic.



Place a weight, such as the disposer, on the sink flange to hold it in place. Use a towel to avoid scratching sink./Coloque un peso, por ejemplo el triturador, sobre la brida del fregadero para mantenerla en su lugar. Utilice una toalla para evitar que se raye el fregadero./Placer un poids tel que le broyeur sur le collet de l'évier pour le maintenir en place. Utiliser une serviette pour éviter d'égratigner l'évier.



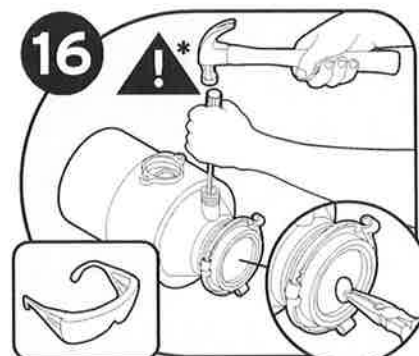
Insert fiber gasket (C), backup flange (D) and mounting ring (E). Hold in place while inserting snap ring (G). Pull snap ring (G) open and press firmly until it snaps into place./Insérte la junta de fibra (C), la brida de soporte (D) y el anillo de montaje (E). Sosténgalos en su lugar mientras inserta el anillo de cierre (G). Abra el anillo de cierre (G) y presione firmemente hasta que se coloque en el lugar./Insérer le joint fibreux (C), la bride de retenue (D) et l'anneau de montage (E). Tenir le tout en place pendant l'insertion du l'anneau élastique (G). Ouvrir l'anneau élastique (G) et appuyer fermement jusqu'à ce qu'il s'enclenche.



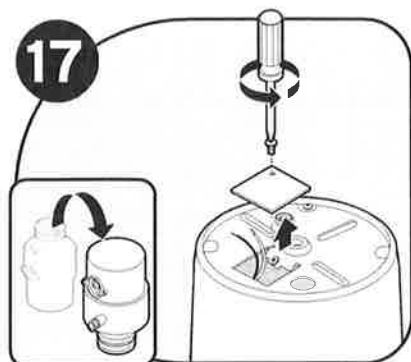
Tighten 3 mounting screws (F) evenly and firmly against backup flange./Ajuste los 3 tornillos de montaje (F) en forma uniforme y firme contra la brida de soporte./Serrer les trois vis de montage (F) uniformément et fermement contre la bride de retenue.



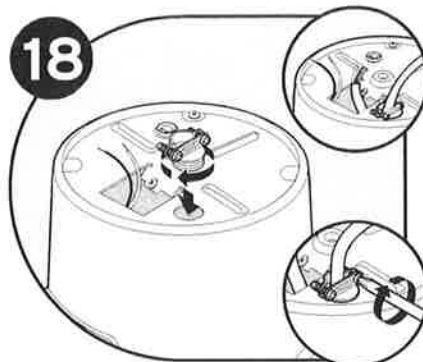
**\* NOTICE: DISHWASHER CONNECTION ONLY** If you do not need to attach the dishwasher, go to step 17. Turn disposer (I) onto side and insert screwdriver into dishwasher inlet./**\* AVISO: SÓLO PARA CONEXIÓN DEL LAVAVAJILLAS.** Si no es necesario conectar el lavavajillas, pase al Paso 17. Voltee el triturador (I) sobre un lado e introduzca el destornillador en la entrada del lavavajillas./**\* AVIS : CONNECTION DU LAVE-VAISSELLE UNIQUEMENT.** S'il n'est pas nécessaire de connecter le lave-vaisselle, passer à l'étape 17. Mettre le broyeur (I) sur le flanc puis insérer un tournevis dans l'avaloir du lave-vaisselle.



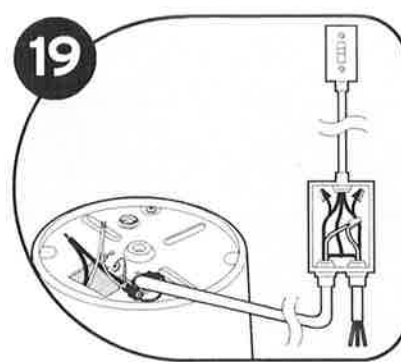
**\* NOTICE: DISHWASHER CONNECTION ONLY** Knock out drain plug and remove plug from inside of disposer./**\* AVISO: SÓLO PARA LA CONEXIÓN DEL LAVAVAJILLAS.** Extraiga de un golpe el tapón de desagüe del interior del triturador./**\* AVIS : CONNECTION DU LAVE-VAISSELLE UNIQUEMENT.** Faire tomber le bouchon du drain et enlever le bouchon qui se trouve à l'intérieur du broyeur.



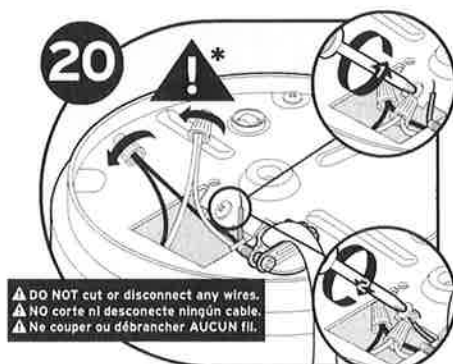
Turn disposer over and remove electrical cover plate. Pull out wires.  
**NOTICE:** Do not remove cardboard shield./  
 Dé vuelta el triturador y retire la placa protectora eléctrica. Saque los cables.  
**AVISO:** No retire la protección de cartón./  
 Rensverser le broyeur et enlever la plaque électrique. Extraire les fils électriques.  
**AVIS :** Ne pas enlever l'écran de carton.



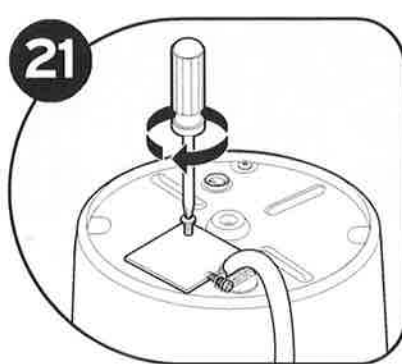
Insert cable connector (not included) and run electrical cable through access hole on bottom of disposer. Tighten cable connector./Introduzca el conector del cable (no incluido) y pase el cable eléctrico a través del orificio de acceso en la parte inferior del triturador. Ajuste el conector del cable./Insérer le connecteur de câble (non compris) et faire passer le câble électrique par le trou d'accès qui se trouve au fond du broyeur. Serrer le connecteur de câble.



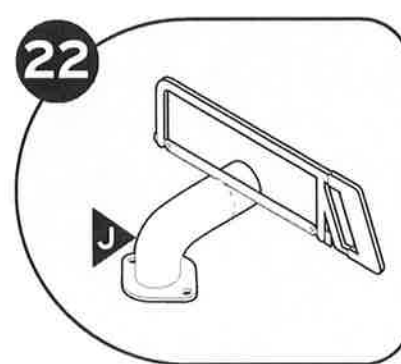
This disposer requires a switch with a marked "Off" position (wired to disconnect all ungrounded supply conductors) installed within sight of the disposer sink opening (1 hp minimum rating)./Este triturador requiere un interruptor que tenga la posición "Off" marcada (cableado de modo de desconectar todos los conductores de suministro no conectados a tierra) e instalado no muy lejos de la abertura del fregadero para el triturador (capacidad mínima de 1 hp)./Ce broyeur doit être équipé d'un interrupteur sur lequel la position d'arrêt (Off) est indiquée (pour débrancher tous les conducteurs d'alimentation non mis à la terre) et installé à la vue du trou d'évier du broyeur (puissance minimale de 1 HP).



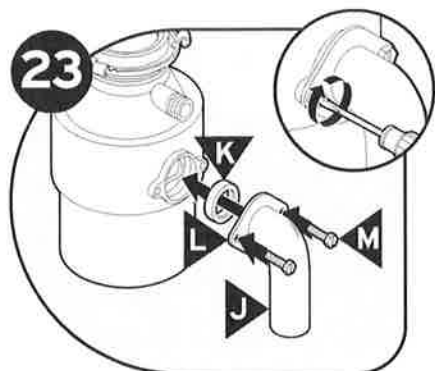
**\* WARNING!** Improper grounding can result in electric shock hazard. Connect white wire from disposer to neutral (white) wire from power source and black wire from disposer to hot (black, red) wire from power source with wire nuts (not included); ground wire to green grounding screw. Unit must be grounded for safe and proper installation./**\* ADVERTENCIA:** La conexión incorrecta a tierra puede representar un riesgo de descarga eléctrica. Conecte el cable blanco del triturador al cable neutro (blanco) de la fuente de energía, y el cable negro del triturador al cable vivo (negro, rojo) de la fuente de energía, use para ello tuercas para cable (no incluidas); finalmente, una el cable de conexión a tierra con el tornillo verde conectado a tierra. La unidad debe estar conectada a tierra para una instalación segura y adecuada./**\* AVERTISSEMENT :** Une mise à la terre inefficace peut entraîner un risque de choc électrique. Raccordez le fil blanc du broyeur au fil neutre (blanc) de la source d'alimentation et le fil noir du broyeur au fil sous tension (noir ou rouge) de la source d'alimentation au moyen de serre-fils (non inclus); mettez le fil à la terre au moyen de la vis verte de mise à la terre. L'unité doit être mise à la terre pour assurer une installation adéquate et sûre.



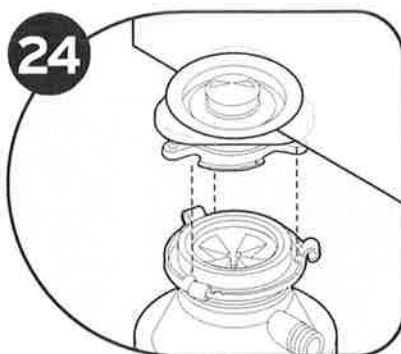
Push wires into disposer (do not displace cardboard shield) and replace electrical cover plate./Coloque los cables dentro del triturador (no desplace la protección de cartón) y vuelva a colocar la placa protectora eléctrica./Pousser les fils dans le broyeur (ne pas déplacer l'écran de carton) et remplacer la plaque électrique.



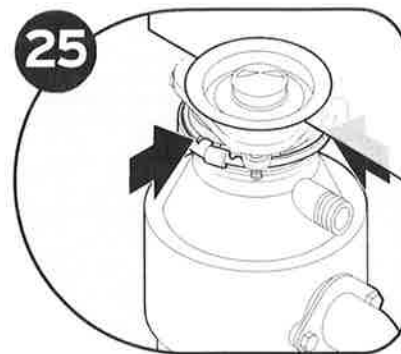
You may need to trim discharge tube (J) to ensure proper fit./Es posible que deba recortar el tubo de descarga (J) para asegurarse de que quede bien colocado./Vous devrez peut-être ajuster le tuyau de vidange (J) pour qu'il s'adapte correctement.



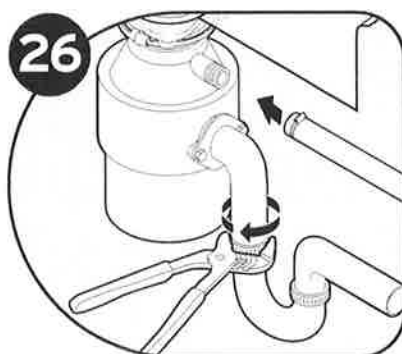
Slide flange (L) over discharge tube (J). Insert gasket (K) into discharge outlet. Secure flange and discharge tube to disposer with two bolts (M). Although the supplied discharge tube is preferred, a straight discharge tube may be used./ Deslice la brida (L) sobre el tubo de descarga (J). Introduzca la junta (K) en la salida de descarga. Fije con dos pernos (M) la brida y el tubo de descarga al triturador. Aunque se recomienda utilizar el tubo de descarga incluido con la unidad, puede usar un tubo de descarga recto./ Glisser le collet (L) sur le tuyau de vidange (J). Insérer le joint (K) dans l'orifice d'évacuation. À l'aide des deux boulons (M), fixer le collet et le tuyau de vidange au broyeur. Même s'il est préférable d'utiliser le tuyau de vidange fourni, un tuyau de vidange droit peut être utilisé.



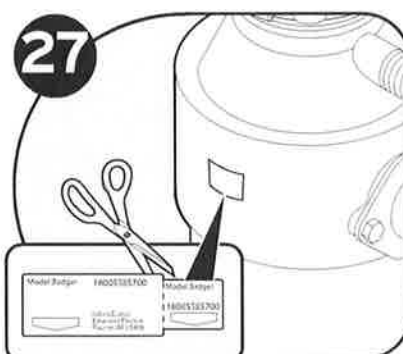
Hang disposer by aligning 3 mounting tabs with slide-up ramps on mounting ring./ Sostenga el triturador y alinee las 3 lengüetas de montaje con las rampas deslizables sobre el anillo de montaje./ Accrocher le broyeur en alignant les 3 onglets de montage avec les glissières de l'anneau de montage.



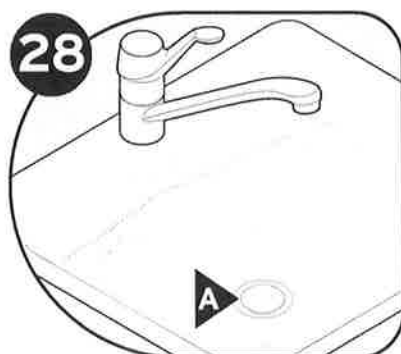
Turn mounting ring until all 3 mounting tabs lock over the ridges on the slide-up ramps./ Gire el anillo de montaje hasta que las 3 lengüetas de montaje se cierren sobre los bordes de las rampas deslizables./ Faire tourner l'anneau de montage jusqu'à ce que les 3 onglets se bloquent par-dessus les nervures des glissières.



Rotate disposer so that discharge tube is aligned with drain trap. Reconnect plumbing (and dishwasher connection if used). Make sure discharge tube mount is straight./ Gire el triturador de manera tal que el tubo de descarga quede alineado con el sifón de drenaje. Vuelva a conectar la plomería (y la conexión del lavavajillas, si es que lo utiliza). Asegúrese de que el tubo de descarga esté derecho./ Faites pivoter le broyeur de sorte que le tuyau d'évacuation soit aligné avec le siphon. Rebrancher les éléments de plomberie (et le branchement du lave-vaisselle le cas échéant). S'assurer que le montage du tuyau de vidange est droit.



Detach removable portion of spec label and place on a visible location./ Corte la parte desmontable de la etiqueta de especificaciones y colóquela en un lugar visible./ Détacher la partie détachable de l'étiquette de spécifications et la placer dans un endroit bien visible.



Insert stopper (A) into sink opening. Fill sink with water, then test for leaks./ Introduzca el tapón (A) en la abertura del fregadero. Llene el fregadero con agua y luego verifique que no haya fugas./ Remettre le bouchon (A) dans l'ouverture de l'évier. Remplir l'évier d'eau pour vérifier qu'il ne fuit pas.

Reconnect electrical power at fuse box or circuit breaker box./ Vuelva a conectar el suministro eléctrico desde la caja de fusibles o el disyuntor./ Rétablir l'alimentation électrique au boîtier de fusibles ou de disjoncteurs.

## ENGLISH

### INSTRUCTIONS PERTAINING TO RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

#### IMPORTANT SAFETY INSTRUCTIONS

#### WARNING

**Personal Injury:** Do not position your head or body under disposer; unit could fall during removal or installation.

#### GROUNDING INSTRUCTIONS

**For all grounded, cord-connected disposers:**

This disposer must be grounded to reduce the risk of electric shock in the event of a malfunction or breakdown. Grounding provides a path of least resistance for electric current. This disposer is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

**For permanently connected disposers:**

This disposer must be connected to a grounded, metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the disposer.

#### WARNING

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the disposer is properly grounded. If the plug provided with the disposer does not fit the outlet, do not modify the plug or attempt to force the plug into the outlet - have a proper outlet installed by a qualified electrician.

- This disposer must be properly grounded.
- Do not attach ground wire to gas supply line.
- Disconnect power before installing or servicing disposer.
- If three-prong grounded plug is used, plug must be inserted into three-hole grounded receptacle.
- All wiring must comply with local electrical codes.
- Do not reconnect electrical current at main service panel until proper grounds are installed.

#### NOTICE

Do not use plumber's putty on any other disposer connection other than sink flange. Do not use thread sealants or pipe dope. These may harm disposer and cause property damage.

#### WARNING When using electric appliances, basic precautions are always to be followed, including:

- Read all instructions before using the appliance.
- To reduce the risk of injury, close supervision is required when an appliance is used near children.
- Do not put fingers or hands into a waste disposer.
- Turn the power switch to the off position before attempting to clear a jam, removing an object from the disposer or pressing reset button.
- When attempting to loosen a jam in a waste disposer, use the self-service wrenchette.
- When attempting to remove objects from a waste disposer, use long-handled tongs or pliers.
- Do not put the following into a disposer: clam or oyster shells, caustic drain cleaners or similar products, glass, china, or plastic, large (whole) bones, metal (such as bottle caps, steel shot, tin cans, or utensils), hot grease or other hot liquids.
- When not operating a disposer, leave the stopper in place to reduce the risk of objects falling into the disposer.
- This product is designed to dispose of normal household food waste; inserting materials other than food waste into disposer could cause personal injury and/or property damage.
- To reduce the risk of injury, do not use the sink containing the disposer for purposes other than food preparation (such as baby bathing or washing hair).
- Do not dispose of the following in the disposer: paints, solvents, household cleaners and chemicals, automotive fluids, plastic wrap.
- FIRE HAZARD: Do not store flammable items such as rags, paper or aerosol cans near disposer. Do not store or use gasoline or other flammable vapors and liquids in vicinity of disposer.
- LEAK HAZARD: Regularly inspect disposer and plumbing fittings for leaks, which can cause property damage and could result in personal injury.

#### SAVE THESE INSTRUCTIONS

#### OPERATING INSTRUCTIONS

1. Remove stopper from sink opening and run cold water.
2. Turn on wall switch to start disposer.
3. Slowly insert food waste into disposer. **WARNING!** Position stopper to minimize possible ejection of material while grinding.
4. After grinding is complete, turn disposer off and run water for a few seconds to flush drain line.

**DO...**

- First turn on cold water and then turn on the disposer. Continue running cold water for several seconds after grinding is completed to flush the drain line.
- Grind hard materials such as small bones, fruit pits, and ice. A scouring action is created by the particles inside the grind chamber.
- Grind peelings from citrus fruits to freshen up drain smells.
- Use a disposer cleaner, degreaser, or deodorizer as necessary to relieve objectionable odors caused by grease build-up.

**DON'T...**

- **DON'T POUR GREASE OR FAT DOWN YOUR DISPOSER OR ANY DRAIN. IT CAN BUILD UP IN PIPES AND CAUSE DRAIN BLOCKAGES. PUT GREASE IN A JAR OR CAN AND DISPOSE IN THE TRASH.**
- Don't use hot water when grinding food waste. It is OK to drain hot water into the disposer between grinding periods.
- Don't fill disposer with a lot of vegetable peels all at once. Instead, turn the water and disposer on first and then feed the peels in gradually.
- Don't grind large amounts of egg shells or fibrous materials like corn husks, artichokes, etc., to avoid possible drain blockage.
- Don't turn off disposer until grinding is completed and only sound of motor and water is heard.

Stop and read  
Deténgase y lea  
Arrêter et lire



## USER-MAINTENANCE INSTRUCTIONS

### CLEANING DISPOSER

Over time, food particles may accumulate in the grind chamber and baffle. An odor from the disposer is usually a sign of food buildup. To clean disposer:

1. Place stopper in sink opening and fill sink halfway with warm water.
2. Mix 1/4 cup baking soda with water. Turn disposer on and remove stopper from sink at same time to wash away loose particles.

Disposers may also be cleaned with Disposer Care®. This product is not sold by InSinkErator®, but is generally available in major home centers, hardware, and grocery stores. For more information on Disposer Care®, contact Summit Brands at 1-888-476-6688 or [www.summitbrands.com](http://www.summitbrands.com).

### RELEASING DISPOSER JAM

If motor stops while disposer is operating, disposer may be jammed. To release jam:

1. Turn off disposer and water.
2. Insert one end of self-service wrenchette into center hole on bottom of disposer (see Figure A). Work wrenchette back and forth until it turns one full revolution. Remove wrenchette.
3. Reach into disposer with tongs and remove object(s). Allow disposer motor to cool for 3 - 5 minutes, then lightly push red reset button on disposer bottom (see Figure B). (If motor remains inoperative, check service panel for tripped circuit breakers or blown fuses.)

Figure A

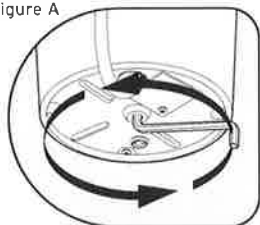
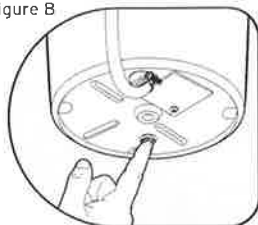


Figure B



**4 YEAR IN-HOME FULL SERVICE WARRANTY - BADGER® 333, BADGER® 444**  
**3 YEAR IN-HOME FULL SERVICE WARRANTY - BADGER 5XP®, BADGER® 15ss, BADGER® 900, & CONTRACTOR 333™**  
**2 YEAR IN-HOME FULL SERVICE WARRANTY - BADGER® 5, BADGER® 500**  
**1 YEAR IN-HOME FULL SERVICE WARRANTY - BADGER® 1, BADGER® 100**

This limited warranty is provided by InSinkErator®, a division of Emerson Electric Co., ("InSinkErator" or "Manufacturer" or "we" or "our" or "us") to the original consumer owner of the InSinkErator product with which this limited warranty is provided (the "InSinkErator Product"), and any subsequent owner of the residence in which the Product was originally installed ("Customer" or "you" or "your").

InSinkErator warrants to Customer that your InSinkErator Product will be free from defects in materials and workmanship, subject to the exclusions described below, for the warranty period, commencing on the later of: (a) the date your InSinkErator Product is originally installed, (b) the date of purchase, or (c) the date of manufacture as identified by your InSinkErator Product serial number. You will be required to show written documentation supporting (a) or (b). If you are unable to provide documentation supporting either (a) or (b), the Warranty Period commencement date will be determined by Manufacturer, in its sole and absolute discretion, based upon your InSinkErator Product serial number.

#### What is Covered

This limited warranty covers defects in materials or workmanship, subject to the exclusions below, in InSinkErator Products used by a consumer Customer for residential use only, and includes all replacement parts and labor costs. YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE INSINKERATOR PRODUCT.

#### What is not Covered

This limited warranty does not extend to and expressly excludes:

- Losses or damages or the inability to operate your InSinkErator Product resulting from conditions beyond the Manufacturer's control including, without limitation, accident, alteration, misuse, abuse, neglect, negligence (other than Manufacturer's), failure to install, maintain, assemble, or mount the InSinkErator Product in accordance with Manufacturer's instructions or local electrical and plumbing codes.
- Wear and tear expected to occur during the normal course of use, including without limitation, cosmetic rust, scratches, dents or comparable and reasonably expected losses or damages.

In addition to the above exclusions, this limited warranty does not apply to InSinkErator Products installed in a commercial or industrial application.

#### No Other Express Warranty Applies

This limited warranty is the sole and exclusive warranty provided to the Customer identified above. No other express warranty, written or verbal, applies. No employee, agent, dealer, or other person is authorized to alter this limited warranty or make any other warranty on behalf of Manufacturer. The terms of this limited warranty shall not be modified by the Manufacturer, the original owner, or their respective successors or assigns.

#### What we will do to Correct Problems

If your InSinkErator Product does not operate in accordance with the documentation provided to you, or you have questions concerning your InSinkErator Product or how to determine when service is needed, please call the toll free InSinkErator AnswerLine™ at 1 (800) 558-5700, or

visit our website at [www.insinkerator.com](http://www.insinkerator.com). You may also notify us at: InSinkErator Service Center, 4700 21st Street, Racine, Wisconsin 53406 USA. The following information must be provided as part of your warranty claim: your name, address, phone number, your InSinkErator Product model and serial number, and if necessary, upon request, written confirmation of either: (a) the date shown on your installation receipt, or (b) the date shown on your purchase receipt.

Manufacturer or its authorized service representative will determine, in its sole and absolute discretion, if your InSinkErator Product is covered under this limited warranty. You will be given the contact information for your closest authorized InSinkErator Service Center. Please contact your InSinkErator Service Center directly to receive in home warranty repair or replacement service. Only an authorized InSinkErator service representative may provide warranty service. InSinkErator is not responsible for warranty claims arising from work performed on your InSinkErator Product by anyone other than an authorized InSinkErator service representative.

If a covered claim is made during the Warranty Period, Manufacturer will, through its authorized service representative, either repair or replace your InSinkErator Product. Cost of replacement parts or a new InSinkErator Product, and cost of labor for repair or installation of the replacement InSinkErator Product are provided at no cost to you. Repair or replacement shall be determined by Manufacturer or its authorized service representative in their sole discretion. All repair and replacement services will be provided to you at your home. If Manufacturer determines that your InSinkErator Product must be replaced rather than repaired, the limited warranty on the replacement InSinkErator Product will be limited to the unexpired term remaining in the original Warranty Period.

#### Limitation of Liability

TO THE EXTENT PERMITTED BY LAW, IN NO EVENT SHALL MANUFACTURER OR ITS AUTHORIZED SERVICE REPRESENTATIVES BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, INCLUDING ANY ECONOMIC LOSS, WHETHER RESULTING FROM NONPERFORMANCE, USE, MISUSE OR INABILITY TO USE THE INSINKERATOR PRODUCT OR THE MANUFACTURER'S OR ITS AUTHORIZED SERVICE REPRESENTATIVE'S NEGLIGENCE. MANUFACTURER SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE AND IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED IN CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE), SHALL MANUFACTURER'S LIABILITY TO YOU EXCEED THE PRICE PAID BY THE ORIGINAL OWNER FOR THE INSINKERATOR PRODUCT.

The term "consequential damages" shall include, but not be limited to, loss of anticipated profits, business interruption, loss of use or revenue, cost of capital or loss or damage to property or equipment.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This limited warranty gives you specific legal rights and you may also have other rights which vary from state to state.



Food waste disposers provide an environmentally responsible alternative to transporting food waste to landfills. And they can help reduce greenhouse gas emissions. At capable wastewater treatment plants, food waste can be converted to biosolids and used as fertilizer. Capable plants can also recycle food waste into renewable energy. (Check the plant in your area.)

For U.S. [www.insinkerator.com/green](http://www.insinkerator.com/green)

For Canada [www.insinkerator.ca](http://www.insinkerator.ca)

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

The mounting collar configuration is a trademark of Emerson Electric Co.

**Badger®**

insinkerator

EMERSON

Appliance Solutions

The InSinkErator logo is a trademark and service mark of Emerson Electric Co. Printed in the U.S.A. © 2008 InSinkErator. InSinkErator is a division of Emerson Electric Co. All Rights Reserved.



## LETTER OF TRANSMITTAL

---

TO: East Harding Construction

DATE: April 3, 2024

RE: Stone Bank

JOB NO.: 23-057

ATTN: Jake Honeycutt, Jack Whitley,  
Kim Brass

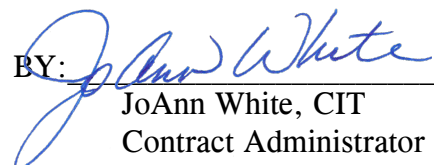
COPIES	DATE	NO.	DESCRIPTION
1 Emailed	03/18/24	22 00 00-100	Plumbing Fixtures

### THESE ARE TRANSMITTED:

☐ For Approval    ☐ As Requested    ☐ Reviewed for General Compliance    ☐ Resubmit \_\_\_ copies for approval  
☐ For Your Use    ☐ For Review and Comment    ☒ Reviewed and Noted    ☐ Submit \_\_\_ copies for distribution  
☐ For Your Information    ☒ Revise and Resubmit Notes    ☐ Return \_\_\_ corrected prints

### REMARKS:

COPY TO: Job File

BY:   
JoAnn White, CIT  
Contract Administrator



Attention:	<b>JoAnn White</b>	Date:	<b>4-1-24</b>
To:	<b>WDD Architects 5050 Northshore Ln North Little Rock, AR 72118</b>	Project:	<b>Stone Bank</b>
From:	<b>Eddi Carlisle</b>	Batson Project #	<b>5978</b>

Sent Via:	<input type="checkbox"/> Mail/Courier <input checked="" type="checkbox"/> Electronic <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other
For Your:	<input type="checkbox"/> Approval <input checked="" type="checkbox"/> Records <input type="checkbox"/> Review & Comments <input checked="" type="checkbox"/> Use
The Following:	<input type="checkbox"/> Drawings <input checked="" type="checkbox"/> Submittals <input type="checkbox"/> Specifications <input type="checkbox"/> Other

Copies	Dated	Rev No.	Description
1	3-18-24		22 00 00 100 Plumbing Fixtures Submittals

**Remarks:**

**Only items marked REVISE & RESUBMIT should be returned for further review.**


APPROVED ☒  
APPROVED AS CORRECTED ☐  
REVISE & RESUBMIT ☒  
NOT APPROVED ☐

Approval is only for conformance with the design concept of this project and compliance with the information given in the contract documents. Contractor is responsible for dimension to be confirmed and correlated at the job site; for information that pertains solely to the fabrication processes or to techniques of construction; and for coordination of this work of all trades.

SEE DOCUMENTS FOR COMMENTS ☐  
SEE ATTACHED COMMENT SHEET ☒  
BATSON INC.  
1300 BROOKWOOD DRIVE  
LITTLE ROCK, AR 72202  
501.664.3311

DATE 4-1-24  
BY CEC


## SHOP DRAWING SUBMITTAL REVIEW COMMENTS

 <div style="display: inline-block; vertical-align: middle;"> <b>Batson Inc.</b>              ENGINEERING SOLUTIONS  <small>Little Rock, AR 72202              501.664.3311              www.batson.com</small> </div>		APPROVED	APPROVED AS CORRECTED	REVISE & RESUBMIT	NOT APPROVED	SUBSTITUTIONS	SEE SHOP DRAWINGS & APPROVAL STAMP ON SHOP DRAWING DOCUMENTS FOR ADDITIONAL INFORMATION AND NOTATIONS	<i>CLIENT</i>	WDD Architects
								<i>PROJECT</i>	Stone Bank
								<i>ENG JOB #</i>	5978
								<i>SUBMITTAL #</i>	22 00 00 100 Plumbing Fixtures #1
								<i>PAGE</i>	1 of 3
								<i>DATE</i>	4/1/2024
								<i>REVIEWER</i>	Eddie Carlisle
NO.	DESCRIPTION							REMARKS	
1	23.038 220000 100 Plumbing Fixtures								
	Water Closet P-1	X							
	Flush Valve	X				X			
	Seat	X				X			
	Water Closet P-1A	X							
	Flush Valve	X				X			
	Seat	X				X			
	Lavatory P-2	X							
	Faucet	X							
	Mixing Valve	X							
	Offset Grid Strainr	X							
	P-trap	X							
	Supply/Stops	X							
	Urinal P-3	X							
	Flush Valve	X				X			
	Carrier	X							

The Contractor is reminded that per the specifications:

- 1) The Contractor is responsible for submitting all items required.
- 2) When substitutions to the specifications and drawings are approved, the Contractor is responsible for all costs related to other systems affected by the incorporation of substitutions into the work.


## SHOP DRAWING SUBMITTAL REVIEW COMMENTS

 <b>Batson Inc.</b> ENGINEERING SOLUTIONS <small>1300 Brookwood Drive          Little Rock, AR 72202          501.664.3311          www.batson.com</small>		APPROVED	APPROVED AS CORRECTED	REVISE & RESUBMIT	NOT APPROVED	SUBSTITUTIONS	SEE SHOP DRAWINGS & APPROVAL STAMP ON SHOP DRAWING DOCUMENTS FOR ADDITIONAL INFORMATION AND NOTATIONS	CLIENT	WDD Architects
								PROJECT	Stone Bank
								ENG JOB #	5978
								SUBMITTAL #	22 00 00 100 Plumbing Fixtures #1
								PAGE	2 of 3
								DATE	4/1/2024
								REVIEWER	Eddie Carlisle
NO.	DESCRIPTION	APPROVED	APPROVED AS CORRECTED	REVISE & RESUBMIT	NOT APPROVED	SUBSTITUTIONS	REMARKS		
	Janitor Sink P-4	X				X			
	Faucet	X							
	Hose & Bracket	X							
	Mop Hanger	X							
	Drinking Fountain P-5	X				X			
	P-trap	X							
	Supply/Stops	X							
	Carrier	X							
	Single Compartment Sink P-6A			X			Provide Elkay model ELUH1814 single bowl undermount sink as specified.		
	Faucet	X							
	Basket Strainer	X				X			
	P-trap	X							
	Supply/Stops	X							
	Double Compartment Sink P-6B			X			Provide Elkay model ELUH3118DBG double bowl undermount sink as specified.		
	Faucet	X							
	Basket Strainer	X				X			
	P-trap	X							
	Supply/Stops	X							

The Contractor is reminded that per the specifications:

- 1) The Contractor is responsible for submitting all items required.
- 2) When substitutions to the specifications and drawings are approved, the Contractor is responsible for all costs related to other systems affected by the incorporation of substitutions into the work.

## SHOP DRAWING SUBMITTAL REVIEW COMMENTS

 <b>Batson Inc.</b> ENGINEERING SOLUTIONS <small>1300 Brookwood Drive          Little Rock, AR 72202          501.664.3311          www.batson.com</small>		APPROVED	APPROVED AS CORRECTED	REVISE & RESUBMIT	NOT APPROVED	SUBSTITUTIONS	SEE SHOP DRAWINGS & APPROVAL STAMP ON SHOP DRAWING DOCUMENTS FOR ADDITIONAL INFORMATION AND NOTATIONS	<i>CLIENT</i>	WDD Architects
								<i>PROJECT</i>	Stone Bank
								<i>ENG JOB #</i>	5978
								<i>SUBMITTAL #</i>	22 00 00 100 Plumbing Fixtures #1
								<i>PAGE</i>	3 of 3
								<i>DATE</i>	4/1/2024
								<i>REVIEWER</i>	Eddie Carlisle
NO.	DESCRIPTION							REMARKS	
	Disposer P-7	X							
	Water Box P-8	X							
	Floor Drain FD	X					X		
	Trap Protection	X					X		
	Roof Drain/Overflow Drain RD/OD	X							
	Downspout Nozzle DN	X					X		
	Wall Cleanout WCO	X					X		
	Floor Cleanout FCO	X					X		

The Contractor is reminded that per the specifications:

- 1) The Contractor is responsible for submitting all items required.
- 2) When substitutions to the specifications and drawings are approved, the Contractor is responsible for all costs related to other systems affected by the incorporation of substitutions into the work.



2230 Cottdale Lane, Suite 3  
Little Rock, AR 72202  
501.661.1646 – 501.661.9546 (fax)  
www.eastharding.com

Submittal  
#61

## Distribution Summary

Distributed on by

To:

Message:

Additional Attachments:

NAME	RESPONSE	ATTACHMENTS	COMMENT
------	----------	-------------	---------

## 23.038 220000 100 Plumbing Fixtures

SPEC SECTION:		CREATED BY:	
STATUS:	Open	DATE CREATED:	03/18/2024
ISSUE DATE:	03/18/2024	REVISION:	0
RESPONSIBLE CONTRACTOR:	Comfort Systems USA (Arkansas), Inc.	RECEIVED FROM:	Matthew Aldridge
RECEIVED DATE:	//	SUBMIT BY:	//
FINAL DUE DATE:	04/06/2024	LOCATION:	
TYPE:	Product Information	COST CODE:	
APPROVERS:	Jake Honeycutt (East-Harding, Inc.), Jack Whitley (East-Harding, Inc.), JoAnn White (Wittenberg, Delony & Davidson, Inc.)		
Project: 23.038:			
Architect's Project: 23-057:			
BALL IN COURT:			
Matthew Aldridge (Comfort Systems USA (Arkansas), Inc.)			
DISTRIBUTION:			
Kim Brass (East-Harding, Inc.) , Jon Isham (East-Harding, Inc.) , Jake Honeycutt (East-Harding, Inc.) , Jack Whitley (East-Harding, Inc.)			
DESCRIPTION:			
ATTACHMENTS:			

## SUBMITTAL WORKFLOW

#	NAME	SUBMITTER/ APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS	COMMENTS
1	Matthew Aldridge	Submitter		3/19/2024		Pending		
2	Jake Honeycutt	Approver		3/21/2024		Pending		
3	Jack Whitley	Approver		3/23/2024		Pending		
4	JoAnn White	Approver		4/6/2024		Pending		

BY

DATE

COPIES TO

**P-1**





## Madera™ FloWise® 15" Height Elongated Flushometer Toilet

VITREOUS CHINA LESS EVERCLEAN®

### Madera™ FloWise® 15" Height Elongated LESS EverClean®

- Floor mount flushometer valve toilet
- Vitreous china
- High Efficiency, Low Consumption. Operates in the range of 1.1 gpf to 1.6 gpf (4.2 Lpf to 6.0 Lpf)
- Meets definition of HET (High Efficiency Toilet) when used with a high efficiency flush valve (1.28 gpf or 1.6 / 1.1 gpf dual flush)
- Fully glazed 2-1/8" trapway
- Elongated bowl
- 10" or 12" roughing-in
- 15" rim height
- Condensation channel
- Powerful direct-fed siphon jet action
- 10" x 12" water surface area
- 1-1/2" inlet spud
- 2 bolt caps

- ☐ **2234.001 Elongated bowl only, top spud**
- ☐ ~~2623.001 Elongated bowl only, top spud with slotted rim for bedpan holding~~
- ☐ **2624.001 Elongated bowl only, back spud**

#### System MaP\* Score:

- 1,000 grams of miso @ 1.1 gpf, 1.28 gpf or 1.6 gpf when used with an American Standard flush valve

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

#### Component Parts:

- ☐ **047007-0070A** Inlet Spud (furnished with bowl)
- ☐ **481310-100** Bolt caps with retainers (furnished with bowl)

#### Nominal Dimensions:

718 x 356 x 381mm  
(28-1/4" x 14" x 15")

Fixture only, less seat and flush valve

Recommended working pressure—between 25 psi at valve when flushing and 80 psi static

#### Compliance Certifications -

##### Meets or Exceeds the Following Specifications:

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



SEE REVERSE FOR ROUGHING-IN DIMENSIONS

#### To Be Specified:

- ☐ Color: ☒ White
- ☐ Seat:
  - ☐ American Standard #5901.100 Heavy duty open front less cover
  - ☐ American Standard #5905.100 Extra heavy duty open front less cover
- ☐ Flushometer Valve:
  - ☐ 1.6 gpf:
    - ☐ Sensor-Operated: American Standard Selectronic® DC Power #6065.161.002 (Top Spud)
    - ☐ Sensor-Operated: American Standard Selectronic® AC Power #6067.261.002 (Back Spud)
    - ☐ Manual: American Standard #6047.161.002 (Top Spud)
  - ☐ 1.28 gpf:
    - ☐ Sensor-Operated: American Standard Selectronic® DC Power #6065.121.002 (Top Spud)
    - ☐ Sensor-Operated: American Standard Selectronic® AC Power #6067.221.002 (Back Spud)
    - ☐ Manual: American Standard #6047.121.002 (Top Spud)
  - ☐ 1.6 / 1.1 gpf Dual Flush:
    - ☐ Sensor-Operated: American Standard Selectronic® DC Power #6065.761.002 (Top Spud)



ENVIRONMENTAL  
PRODUCT  
DECLARATION

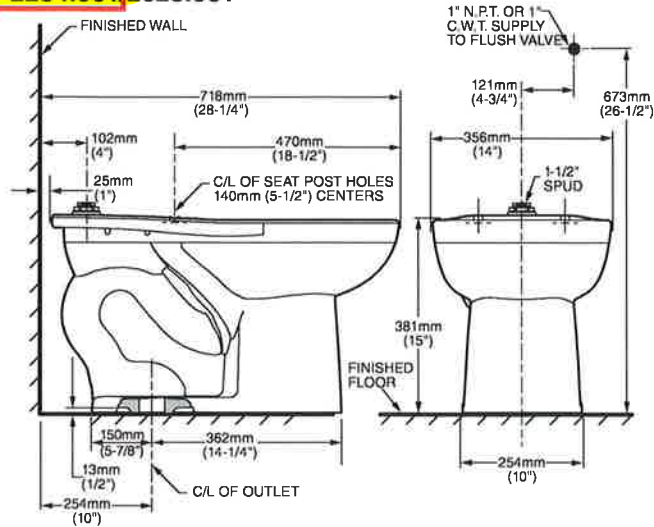


When used with  
1.1 or 1.28 gpf  
toilet flush valves

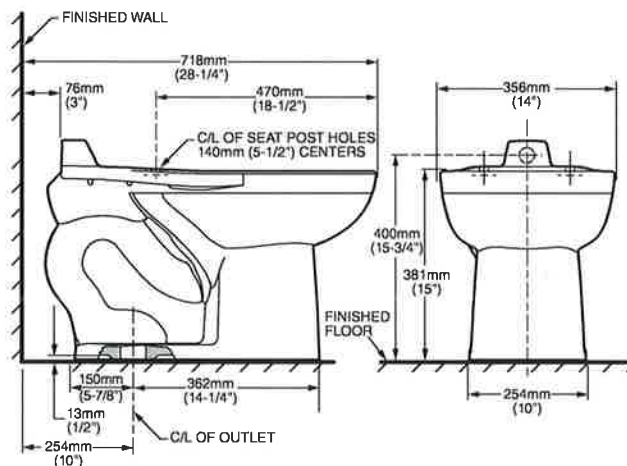


WATER  
EFFICIENT

**2234.001/2623.001**



**2624.001**



**NOTES:**

PRODUCT 2234 SHOWN, 2623 SAME EXCEPT WITH SLOTTED RIM FOR BED PAN HOLDING.  
TO COMPLY WITH AREA CODE GOVERNING THE HEIGHT OF VACUUM BREAKER ON THE FLUSHOMETER VALVE, THE PLUMBER MUST VERIFY DIMENSIONS SHOWN FOR SUPPLY ROUGHING.  
THIS TOILET DESIGNED TO ROUGH-IN AT A MINIMUM DIMENSION OF 254MM (10") AND A MAXIMUM DIMENSION OF 305MM (12") FROM FINISHED WALL TO C/L OF OUTLET.  
FLUSHOMETER VALVE NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY. FLUSHOMETER VALVE REQUIREMENTS FOR 12" (305MM) ROUGH-IN: SWEAT EXTENSION NIPPLE IS REQUIRED. REFER TO VALVE MANUFACTURER AND LOCAL CODES.

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



## ZEMS6000AV-IS

Exposed Hardwired Automatic Sensor Flush Valve  
for Water Closets

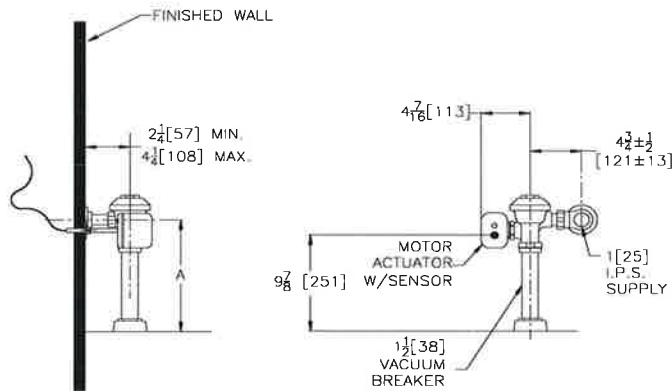
TAG P-1

### Architectural/Engineering Specification:

Exposed, quiet diaphragm-type, chrome plated flushometer valve with a polished exterior. Complete with Zurn's AquaVantage® TPE, chlorine resistant, dual seal diaphragm with a clog resistant, triple filtered bypass. The valve incorporates a 6 VDC motor actuator, an integral infrared convergence-type proximity sensor and a manual push button override, high impact resistant polycarbonate housing and chrome plated plastic cover with manual override push button and 10 degree angled sensor.

### Product Features:

- Proprietary dezincification resistant low lead brass alloy
- Control stop has internal siphon-guard protection and vandal resistant stop cap, sweat solder kit, wall flange with set screw
- High back pressure vacuum breaker with one piece hex coupling nut
- Chloramine resistant Internal seals
- Adjustable tailpiece
- Spud coupling and flange for top spud connection



Rough-in/Overview dimensions

### Accessories (Order separate as specified)

**P6900-ACA-BA** 7.6VDC Plug-In ACA Power Supply

Powers up to 4 valves

**P6000-HW6** 7.6VDC Hardwired Power Converter  
Powers up to 8 valves

**P6000-MJ** Mini Junction Box

NOTE: Must use either Zurn P6000-HW6 hardware power converter or P6900-ACA-BA regulated plug in to ensure proper operation. Using a power converter other than Zurn may result in operation malfunction or unit failure.

### Compliance and Certification:

- ADA Compliant
- Complies with ASSE 1037/ASME A112.1037/CSA



### Flow Options:

	Flush Volume	WaterSense Compliant
<input type="checkbox"/> -ONE*	1.1 gpf	✓
<input checked="" type="checkbox"/> -HET*	1.28 gpf	✓
<input type="checkbox"/> -WS1	1.6 gpf	
<input type="checkbox"/> -Standard	3.5 gpf	

\*Clog-resistant linear filter

### Suffix Options:

- ☐ -FM12 Floor Mount 12" Rough In
- ☐ -MOB Manual Over-ride Button (Front of Body)
- ☐ -YJ Split Ring Pipe Support
- ☐ -YK Solid Ring Pipe Support
- ☐ -YO Bumper on Angle Stop

### Valve Height Options:

	Product No.	A
<input checked="" type="checkbox"/>	ZEMS6000AV-IS	11 1/2" [292]
<input type="checkbox"/>	ZEMS6000AV-1-IS	16" [406]
<input type="checkbox"/>	ZEMS6000AV-2	24" [610]

### Architectural/Engineering Approval

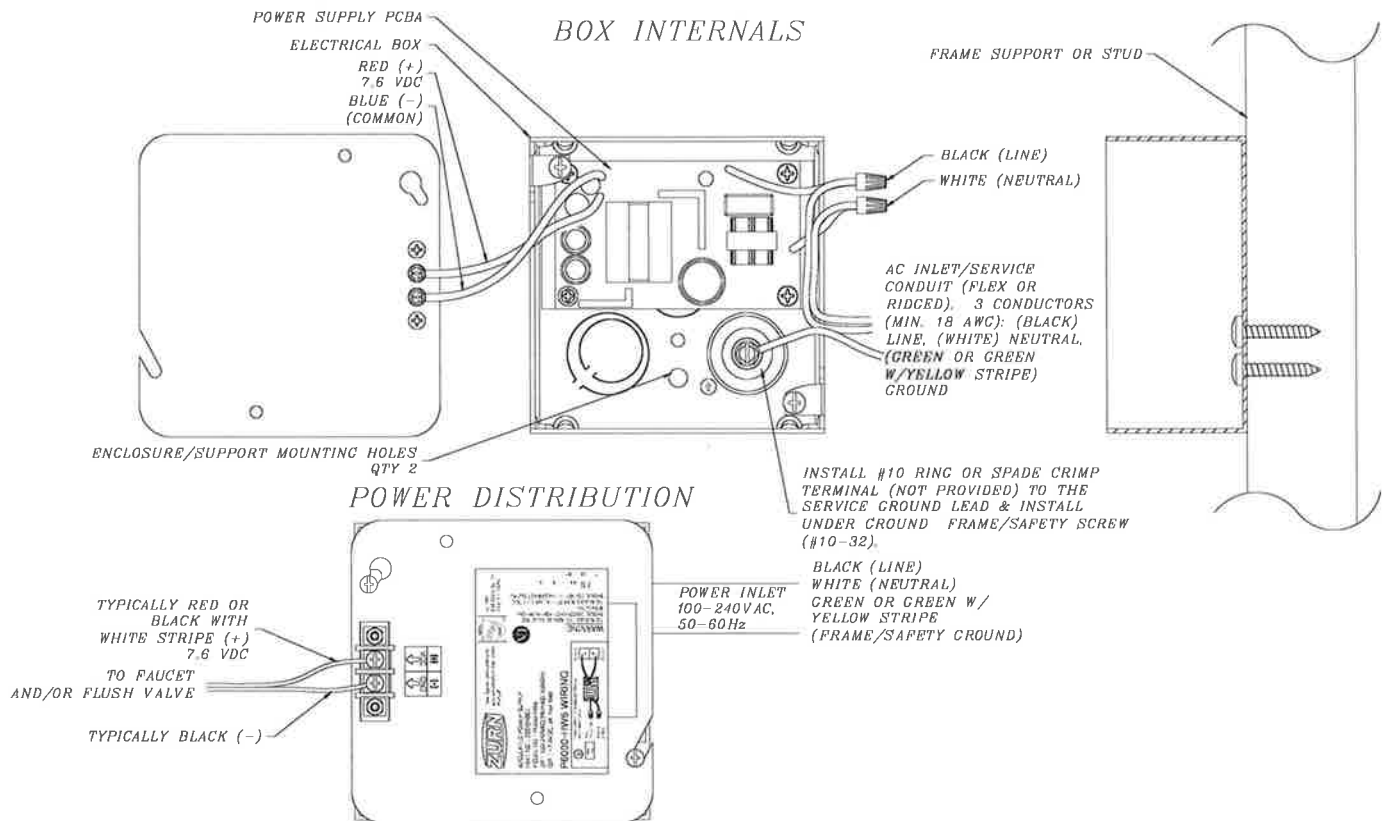
The information contained in this document is subject to change without notice.  
Please contact Zurn for most up to date information.

This product should be used with a WaterSense labeled counterpart with a compatible flow volume to ensure that the entire system meets the requirements for water efficiency and performance.



## P6000-HW6

### 7.6 VDC Hardwired Power Converter for Flush Valves and Faucets



**ENGINEERING SPECIFICATION: ZURN P6000-HW6 Power Converter** - The Hardwired Power Converter is a 7.6 VDC regulated, 2.0A power supply that will operate up to: (8) ZEMS or ZEMS-IS Sensors/Actuators, (8) ZESS Sensors/Solenoids, (8) sensor faucets, or (8) Pint Urinal valves. The unit shown above is integrated into a 4"L x 4"W x 2-1/8"D electrical box. The AC input connections are terminated within the electrical box. The 7.6 VDC output terminals are externally mounted to the cover plate.

**Notes:**

1. Mounting hardware (AC inlet conduit/cable clamp and enclosure-frame mounting screws) are NOT provided.

**Typical Rough-In:** The 3 input conductors (line, neutral and frame ground) are routed within conduit to the P6000-HW6 and the AC inlet and the frame/safety ground leads are terminated within the assembly. The low voltage, 7.6 DC, output connections are terminated externally and depending upon the installation area, appropriate cable/conductor insulation must be selected to meet local codes (conduit not required for the low voltage output conductor paths).

**Architectural/Engineering Approval**

The information contained in this document is subject to change without notice.  
Please contact Zurn for most up to date information.

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

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

In Canada: ZURN INDUSTRIES LIMITED ♦ 7900 Goreway Drive Unit 10 ♦ Brampton, Ontario L6T5W6 ♦ Phone: 905-405-8272 Fax: 905-405-1292

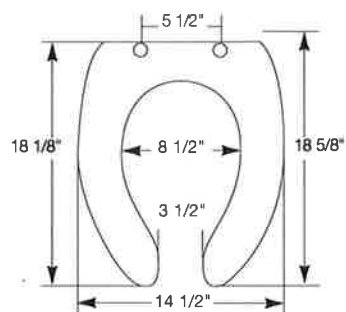




## COMMERCIAL PLASTIC SEATS

### MODEL 255SSC

- ELONGATED SEAT, OPEN FRONT LESS COVER
- SOLID PLASTIC
- CONCEALED 300 SERIES STAINLESS STEEL SELF-SUSTAINING CHECK HINGE

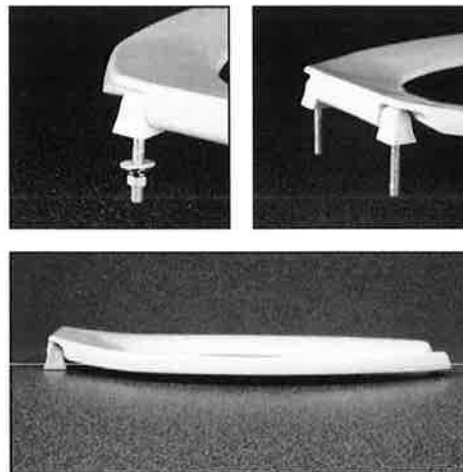
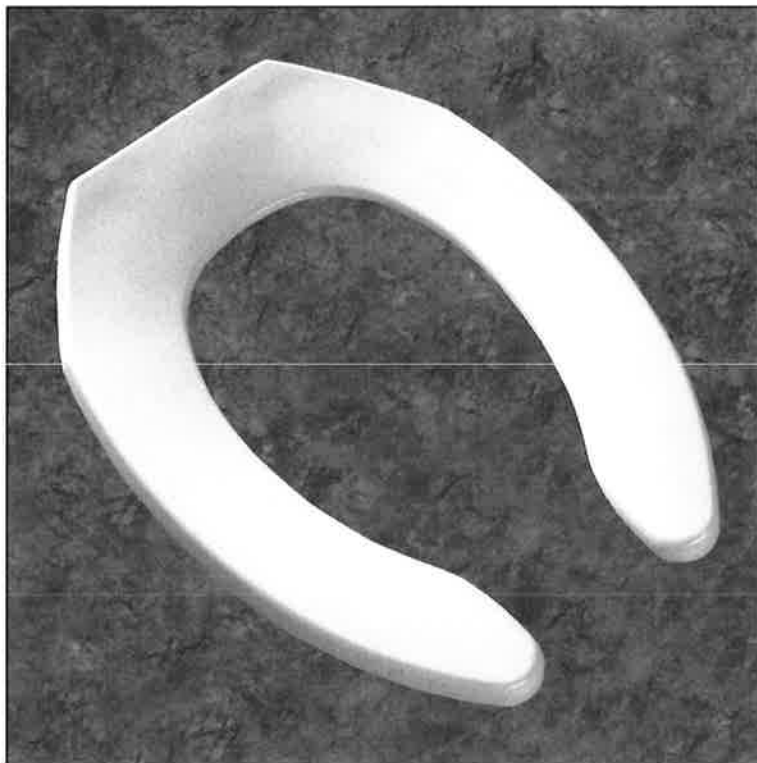


Ring thickness is 13/16"

Ring thickness including the bumper is 1"

Height of the seat with cover is 1-1/2"

Seats shall be No. 255SSC as manufactured by Church Seats. Seats shall be commercial weight and injection molded of solid plastic. Seats shall be open front less cover for elongated bowl and feature large molded-in bumpers. 300 Series stainless steel, self-sustaining concealed check hinge holds seat in any raised position up to 11 degrees beyond vertical. Uses 300 Series stainless steel hardware. Color to be white.



**P-1A**



## Madera™ FloWise® 16-1/2" Height Elongated Flushometer Toilet

VITREOUS CHINA LESS EVERCLEAN®



### Madera™ FloWise® 16-1/2" Height Elongated LESS EverClean®

- Floor mount flushometer valve toilet
- Vitreous china
- High Efficiency, Low Consumption. Operates in the range of 1.1 gpf to 1.6 gpf (4.2 Lpf to 6.0 Lpf)
- Meets definition of HET (High Efficiency Toilet) when used with a high efficiency flush valve (1.1, 1.28 gpf or 1.6 / 1.1 gpf dual flush)
- Fully glazed 2-1/8" trapway
- Elongated bowl
- 10" or 12" roughing-in
- 16-1/2" rim height for accessible application
- Condensation channel
- Powerful direct-fed siphon jet action
- 10" x 12" water surface area
- 1-1/2" inlet spud
- 2 bolt caps included
- Tested to support static weight load of 2,500 lbs. (1,134 kg)

- ☐ **3043.001 Elongated bowl only, top spud**
- ☐ ~~3248.001 Elongated bowl only, top spud with slotted rim for bedpan holding~~
- ☐ **3249.001 Elongated bowl only, back spud**

#### Component Parts:

- ☐ **047007-0070A** Inlet Spud (furnished with bowl)
- ☐ **034783-0200A** Bolt caps with retainers (furnished with bowl)

#### Nominal Dimensions:

718 x 356 x 419mm  
(28-1/4" x 14" x 16-1/2")

Fixture only, less seat and flush valve

#### Compliance Certifications -

##### Meets or Exceeds the Following Specifications:

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



SEE REVERSE FOR ROUGHING-IN DIMENSIONS

#### System MaP\* Score:

- 1,000 grams of miso @ 1.1 gpf, 1.28 gpf or 1.6 gpf when used with an American Standard flush valve

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

#### OPERATING PRESSURE:

25 psi (flowing) - 80 psi (static)

#### FLOW REQUIREMENT:

25 gpm (94.6 L/min.)

#### To Be Specified:

- ☐ Color: ☒ **White**
- ☐ Seat:
  - ☐ American Standard #5901.100 Heavy duty open front less cover
  - ☐ American Standard #5901.100SS Extra heavy duty open front less cover with EverClean®
- ☐ Flushometer Valve:



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



ENVIRONMENTAL  
PRODUCT  
DECLARATION



When used with  
1.1 or 1.28 gpf  
toilet flush valves

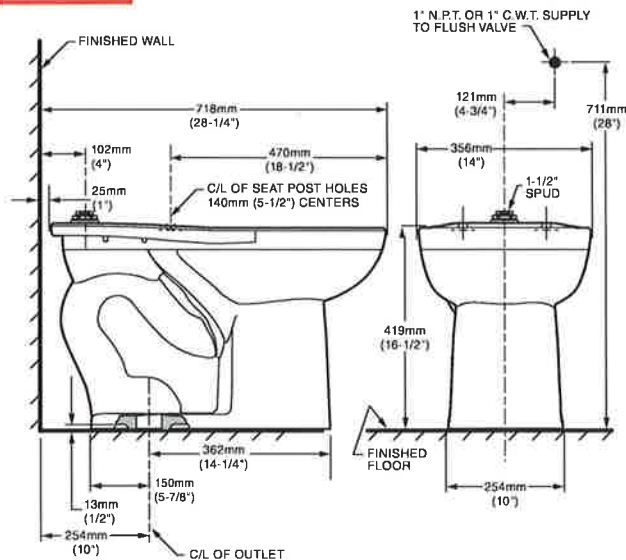


EVERCLEAN

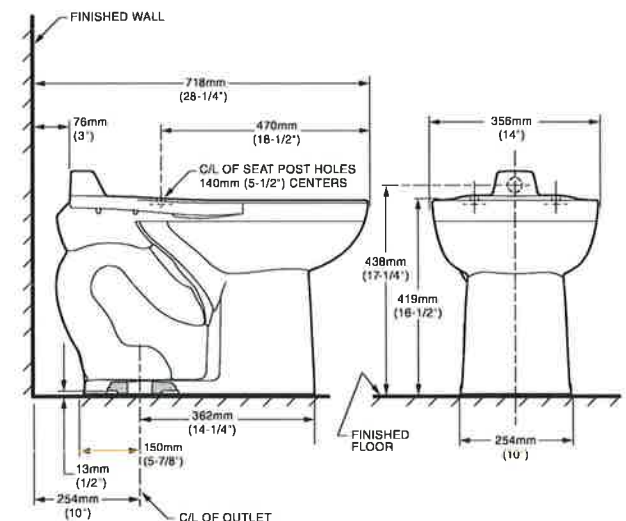


WATER  
EFFICIENT

3043.001/3248.001



3249.001



**NOTES:**  
 PRODUCT 3043 SHOWN, 3248 SAME EXCEPT WITH SLOTTED RIM FOR BED PAN HOLDING.  
 TO COMPLY WITH AREA CODE GOVERNING THE HEIGHT OF VACUUM BREAKER ON THE FLUSHOMETER VALVE, THE PLUMBER MUST VERIFY DIMENSIONS SHOWN FOR SUPPLY ROUGHING.  
 THIS TOILET DESIGNED TO ROUGH-IN AT A MINIMUM DIMENSION OF 254MM (10") AND A MAXIMUM DIMENSION OF 305MM (12") FROM FINISHED WALL TO C/L OF OUTLET.  
 FLUSHOMETER VALVE NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY. FLUSHOMETER VALVE REQUIREMENTS FOR 12" (305MM) ROUGH-IN: SWEAT EXTENSION NIPPLE IS REQUIRED. REFER TO VALVE MANUFACTURER AND LOCAL CODES.

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





## ZEMS6000AV-IS

Exposed Hardwired Automatic Sensor Flush Valve  
for Water Closets

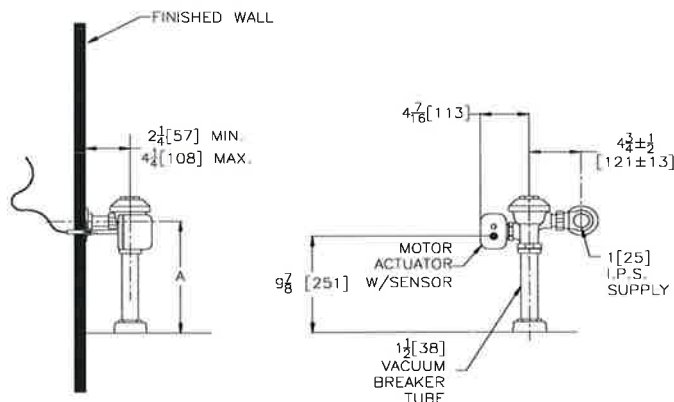
TAG P-1A

### Architectural/Engineering Specification:

Exposed, quiet diaphragm-type, chrome plated flushometer valve with a polished exterior. Complete with Zurn's AquaVantage® TPE, chloramine resistant, dual seal diaphragm with a clog resistant, triple filtered bypass. The valve incorporates a 6 VDC motor actuator, an integral infrared convergence-type proximity sensor and a manual push button override, high impact resistant polycarbonate housing and chrome plated plastic cover with manual override push button and 10 degree angled sensor.

### Product Features:

- Proprietary dezincification resistant low lead brass alloy
- Control stop has internal siphon-guard protection and vandal resistant stop cap, sweat solder kit, wall flange with set screw
- High back pressure vacuum breaker with one piece hex coupling nut
- Chloramine resistant Internal seals
- Adjustable tailpiece
- Spud coupling and flange for top spud connection



Rough-in/Overview dimensions

### Accessories (Order separate as specified)

**P6900-ACA-BA** 7.6VDC Plug-In ACA Power Supply

Powers up to 4 valves

**P6000-HW6**

7.6VDC Hardwired Power Converter

Powers up to 8 valves

**P6000-MJ**

Mini Junction Box

NOTE: Must use either Zurn P6000-HW6 hardware power converter or P6900-ACA-BA regulated plug in to ensure proper operation. Using a power converter other than Zurn may result in operation malfunction or unit failure.

### Compliance and Certification:

- ADA Compliant
- Complies with ASSE 1037/ASME A112.1037/CSA



### Flow Options:

	Flush Volume	WaterSense Compliant
<input type="checkbox"/> -ONE*	1.1 gpf	✓
<input checked="" type="checkbox"/> -HET*	1.28 gpf	✓
<input type="checkbox"/> -WS1	1.6 gpf	
<input type="checkbox"/> -Standard	3.5 gpf	

\*Clog-resistant linear filter

### Suffix Options:

- ☐ -FM12 Floor Mount 12" Rough In
- ☐ -MOB Manual Over-ride Button (Front of Body)
- ☐ -YJ Split Ring Pipe Support
- ☐ -YK Solid Ring Pipe Support
- ☐ -YO Bumper on Angle Stop

### Valve Height Options:

	Product No.	A
<input checked="" type="checkbox"/>	ZEMS6000AV-IS	11 1/2" [292]
<input type="checkbox"/>	ZEMS6000AV-1-IS	16" [406]
<input type="checkbox"/>	ZEMS6000AV-2	24" [610]

### Architectural/Engineering Approval

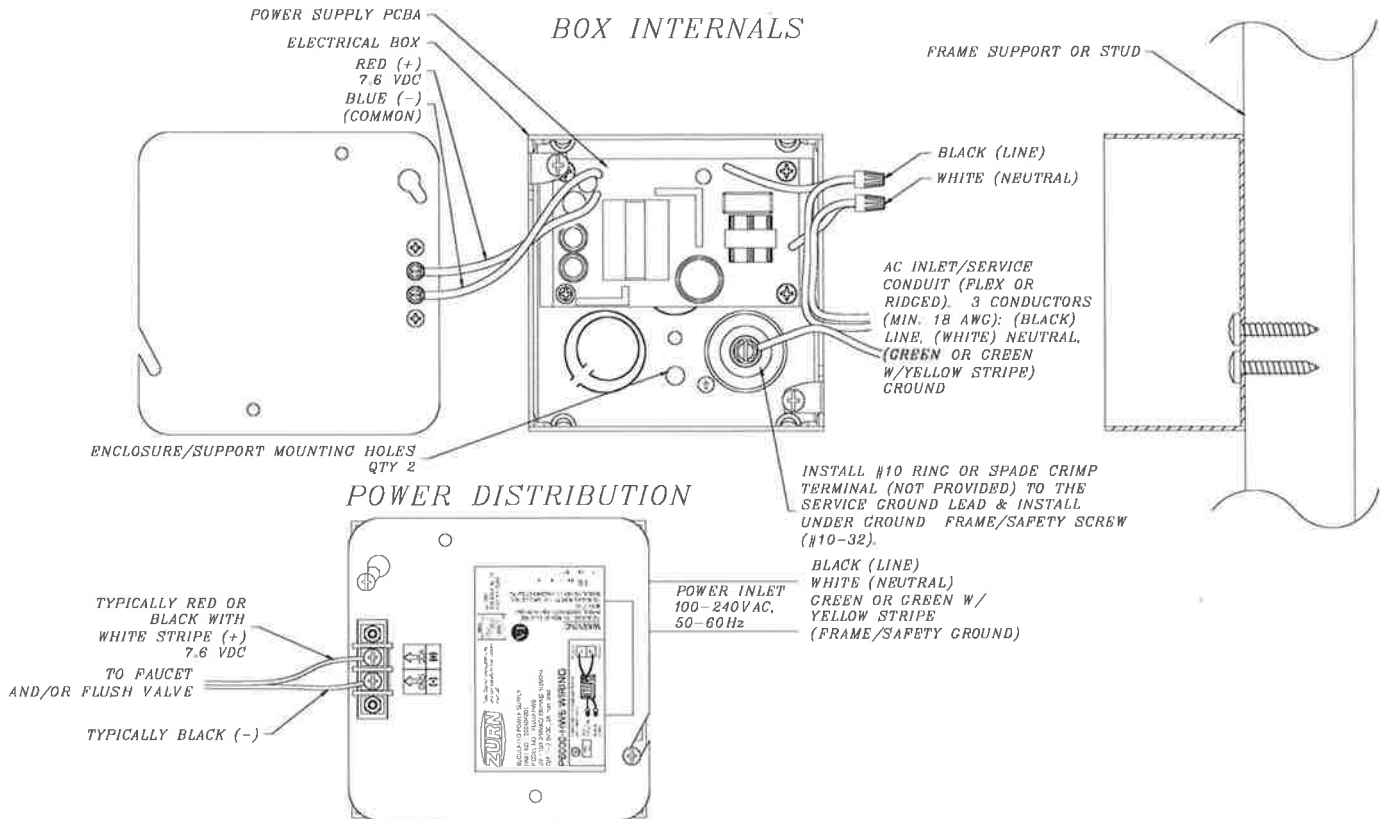
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Please contact Zurn for most up to date information.

This product should be used with a WaterSense labeled counterpart with a compatible flow volume to ensure that the entire system meets the requirements for water efficiency and performance.



## P6000-HW6

### 7.6 VDC Hardwired Power Converter for Flush Valves and Faucets



**ENGINEERING SPECIFICATION: ZURN P6000-HW6 Power Converter** - The Hardwired Power Converter is a 7.6 VDC regulated, 2.0A power supply that will operate up to: (8) ZEMS or ZEMS-IS Sensors/Actuators, (8) ZESS Sensors/Solenoids, (8) sensor faucets, or (8) Pint Urinal valves. The unit shown above is integrated into a 4"L x 4"W x 2-1/8"D electrical box. The AC input connections are terminated within the electrical box. The 7.6 VDC output terminals are externally mounted to the cover plate.

**Notes:**

1. Mounting hardware (AC inlet conduit/cable clamp and enclosure-frame mounting screws) are NOT provided.

**Typical Rough-In:** The 3 input conductors (line, neutral and frame ground) are routed within conduit to the P6000-HW6 and the AC inlet and the frame/safety ground leads are terminated within the assembly. The low voltage, 7.6 DC, output connections are terminated externally and depending upon the installation area, appropriate cable/conductor insulation must be selected to meet local codes (conduit not required for the low voltage output conductor paths).

Architectural/Engineering Approval

The information contained in this document is subject to change without notice.  
Please contact Zurn for most up to date information.

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

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

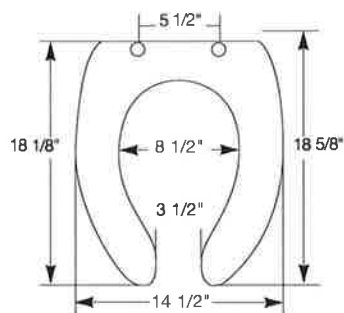
In Canada: ZURN INDUSTRIES LIMITED ♦ 7900 Goreway Drive Unit 10 ♦ Brampton, Ontario L6T5W6 ♦ Phone: 905-405-8272 Fax: 905-405-1292



## COMMERCIAL PLASTIC SEATS

### MODEL 255SSC

- ELONGATED SEAT, OPEN FRONT LESS COVER
- SOLID PLASTIC
- CONCEALED 300 SERIES STAINLESS STEEL SELF-SUSTAINING CHECK HINGE

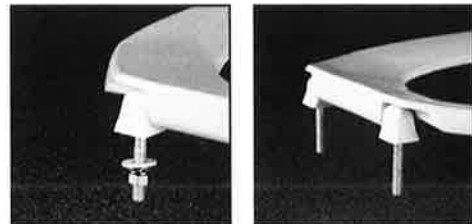
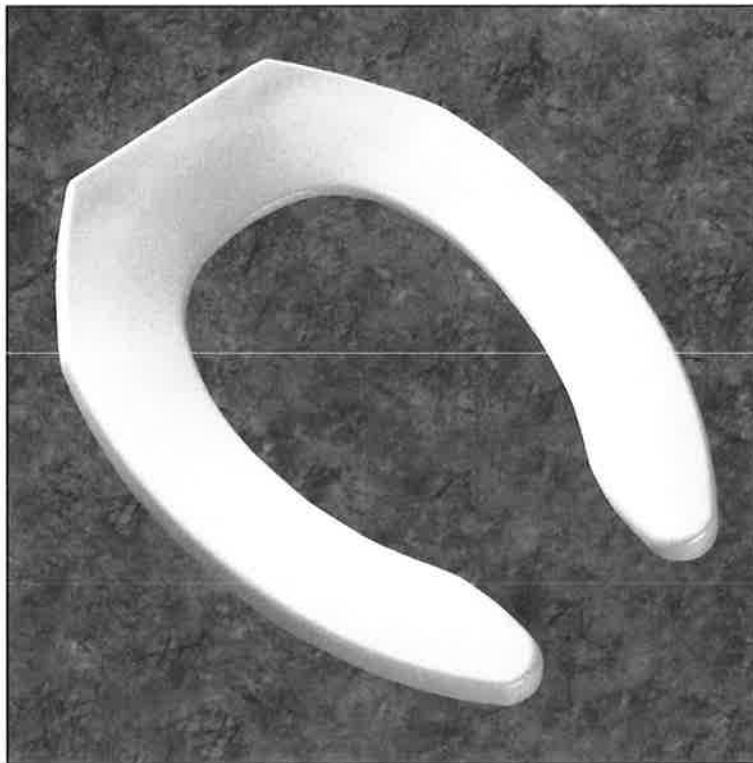


Ring thickness is 13/16"

Ring thickness including the bumper is 1"

Height of the seat with cover is 1-1/2"

Seats shall be No. 255SSC as manufactured by Church Seats. Seats shall be commercial weight and injection molded of solid plastic. Seats shall be open front less cover for elongated bowl and feature large molded-in bumpers. 300 Series stainless steel, self-sustaining concealed check hinge holds seat in any raised position up to 11 degrees beyond vertical. Uses 300 Series stainless steel hardware. Color to be white.



**P-2**



## OVALYN UNIVERSAL ACCESS™ SINK

- Made from vitreous china
- Unglazed rim for under counter mount
- Rear overflow
- Supplied with mounting kit (047194-0070A) and template



**Nominal Dimensions:**

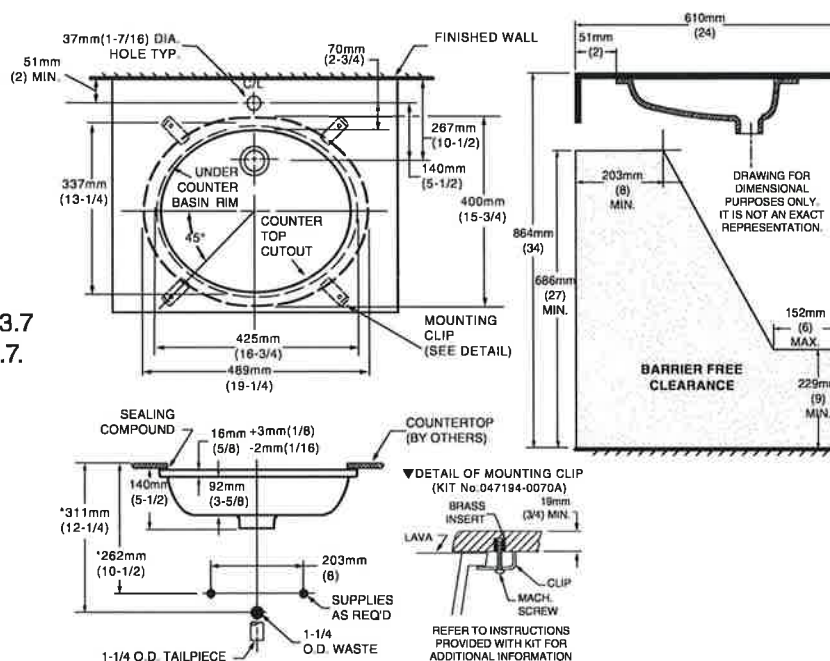
489 x 400mm  
(19-1/4" x 15-3/4")

**Bowl sizes:**

425mm (16-3/4") wide  
337mm (13-1/4") front to back  
140mm (5-1/2") deep  
102mm (4") bowl depth

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

- ASME A112.19.2M for Vitreous China Fixtures
- CAN/CSA B45 series
- 1995 National Building Code, section 3.7 and CAN/CSA-B651-M90 and OBC 3.7.



**To Be Specified:**

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

\* See faucet section for additional models available

For Universal Design Options, top of counter may be mounted at 813mm (32") minimum from finished floor to meet ADA and ANSI A117.1 requirements. A 838mm (33") minimum mounting height is required for Ontario. Check local codes for heights and faucet handles requirements.



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

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

**OVALYN UNIVERSAL ACCESS™  
UNDERCOUNTER SINK**  
VITREOUS CHINA

**NOTES:**

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

▼ UNDERCOUNTER MOUNTING KIT SUPPLIED WITH BASIN.  
FITTINGS NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED  
SEPARATELY.  
USE ENCLOSED TEMPLATE FOR COUNTERTOP CUTOUT  
SEALING COMPOUND SUPPLIED BY OTHERS.

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





COMMERCIAL

## CONTRASTA™ SERIES - PROXIMITY® FAUCET

### SPECIFICATION: (Example - 820DPA20-SS)

- **Proximity® Sensing Technology**
- Adjustable sensing range and timeout
- **Surface Mount Control Box** – supplied as complete product
- **Hardwire Operated** (24 VAC) deckmount handwash system
  - Requires separate order of **AC filter** and transformer to have complete product
- Metal hold-down package
- Serviceable filter screen upstream of the valve
- Maximum flow rate - 1.0 gpm (3.8 L/min)
- Supplied with 3 outlet options (Laminar, Aerated and Spray)
- Mixing valve required (order separately)
- Stainless Steel Finish



### AVAILABLE CONFIGURATIONS:

- **Power Option**
  - Battery Operated (4 'C' cell) (Surface Mount Box only)
  - Hardwire Operated (24 VAC)
- **Surface Mount Control Box** – supplied as complete
- **Recessed Control Box Trim** – supplied as trim parts only
  - Includes – 12 x 12" (305 x 305 mm) stainless steel cover plate, driver board, solenoid
  - Requires separate order of **ELAVT0001ARI** or **ELAVT0008ARI** rough-in
- **Flow rates**
  - 1.0 gpm (3.8 L/min)
  - 0.5 gpm (1.9 L/min)
  - 0.35 gpm (1.3 L/min)
- **Finish** (Chrome, Stainless Steel, Matte Black and Champagne Bronze®)

### COMPLIES WITH

- ASME A112.18.1/CSA B125.1
- Indicates compliance to ICC / ANSI A117.1
- EPA WaterSense® listed - Outlet Option 2
- Verified compliant with 0.25% weighted average Pb content Regulations

(Contact Delta Representative for State and/or Local Approvals.)

### Engineer/Architect Approval

Model Specified: 820DPA50-SS

Approval:

Date:

### MODEL NUMBER EXAMPLE:

Configurations vary, see below for availability.

820DPA20-▲

#### POWER OPTION

- 0 = Hardwire operated
- 1 = Battery operated (Surface Mount Box Only)

#### FLOW RATE

- 2 = 1.0 gpm (3.8 L/min)
- 5 = 0.5 gpm (1.9 L/min)
- 9 = 0.35 gpm (1.3 L/min)

#### CONTROL BOX OPTION

- 0 = Surface mount box
- 8TR = Trim **ONLY** for Recessed Box

#### FINISH

- Default = Chrome
- SS = Stainless Steel
- DL = Matte Black
- CZ = Champagne Bronze®

Available Models		Power Option/Control Box Option		
		Power - 0 /Control Box - 0	Power - 0 /Control Box - 8TR	Power - 1 /Control Box - 0
		0 = Hardwire Operated 0 = Surface Mount Box	0 = Hardwire Operated 8TR = Trim <b>ONLY</b> for Recessed Box	1 = Battery Operated 0 = Surface Mount Box
Flow Rates	2	 1.0 gpm (3.8 L/min) Laminar, Aerated and Spray	 820DPA20-▲	 820DPA28TR-▲
	5	 0.5 gpm (1.9 L/min) Laminar, Aerated and Spray	 820DPA50-▲	 820DPA58TR-▲
	9	 0.35 gpm (1.3 L/min) Laminar, Aerated and Spray	 820DPA90-▲	 820DPA98TR-▲

▲ - Designate Proper Finish Suffix

WaterSense® is a registered trademark of the U.S. Environmental Protection Agency

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

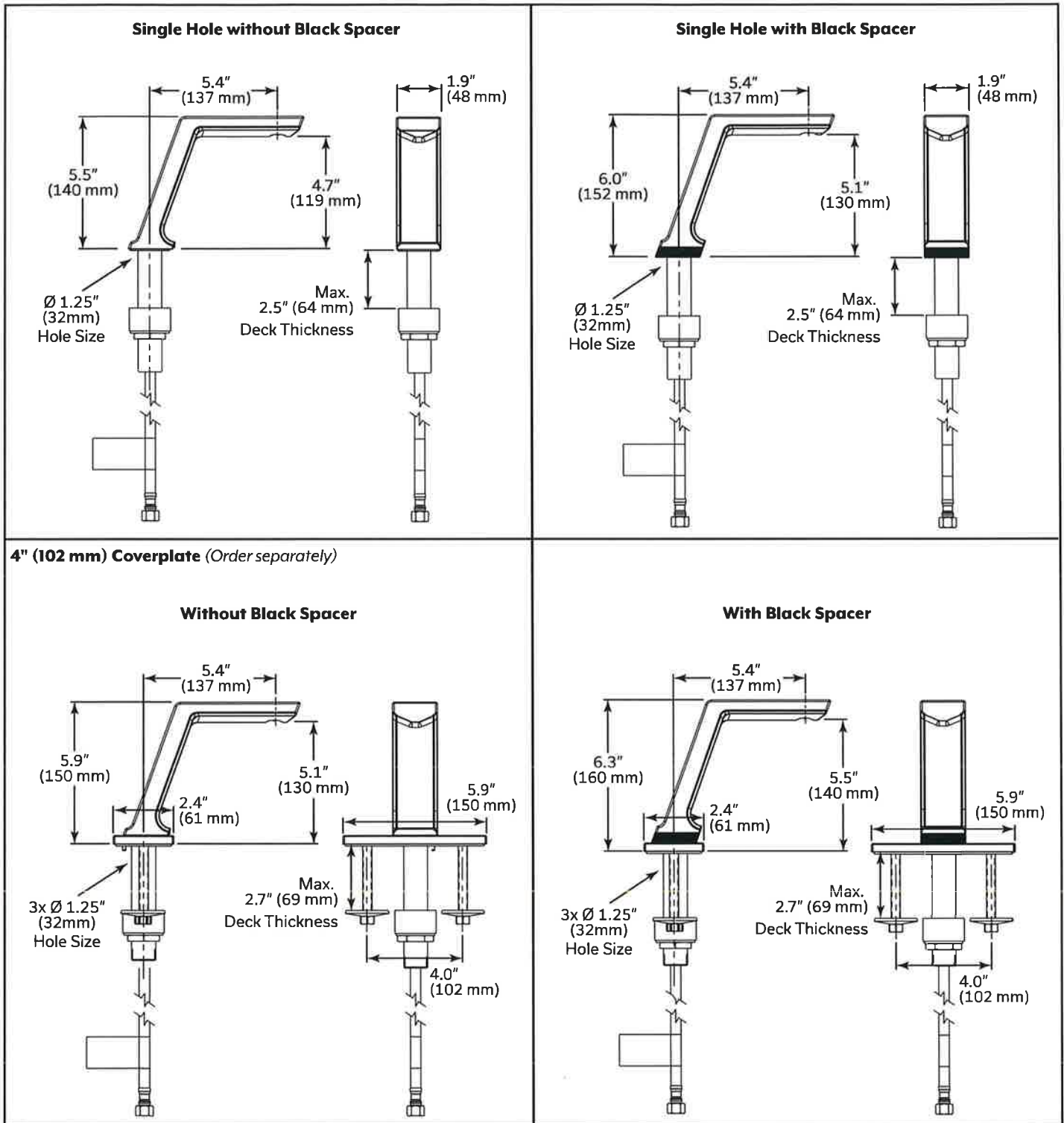
Flush volumes are at 60 psi (414 kPa).

**NOTICE** Use all pages as product submittal sheets.

**DSP-820DPA, Rev. C**

**CONTRASTA™ SERIES - PROXIMITY® FAUCET**

**COMMERCIAL**



**NOTICE** Measurements may vary  $\pm 0.25"$  (6mm)

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Flush volumes are at 60 psi (414 kPa).

**NOTICE** Use all pages as product submittal sheets.

**DSP-820DPA, Rev. C**

# CONTRASTA™ SERIES - PROXIMITY® FAUCET

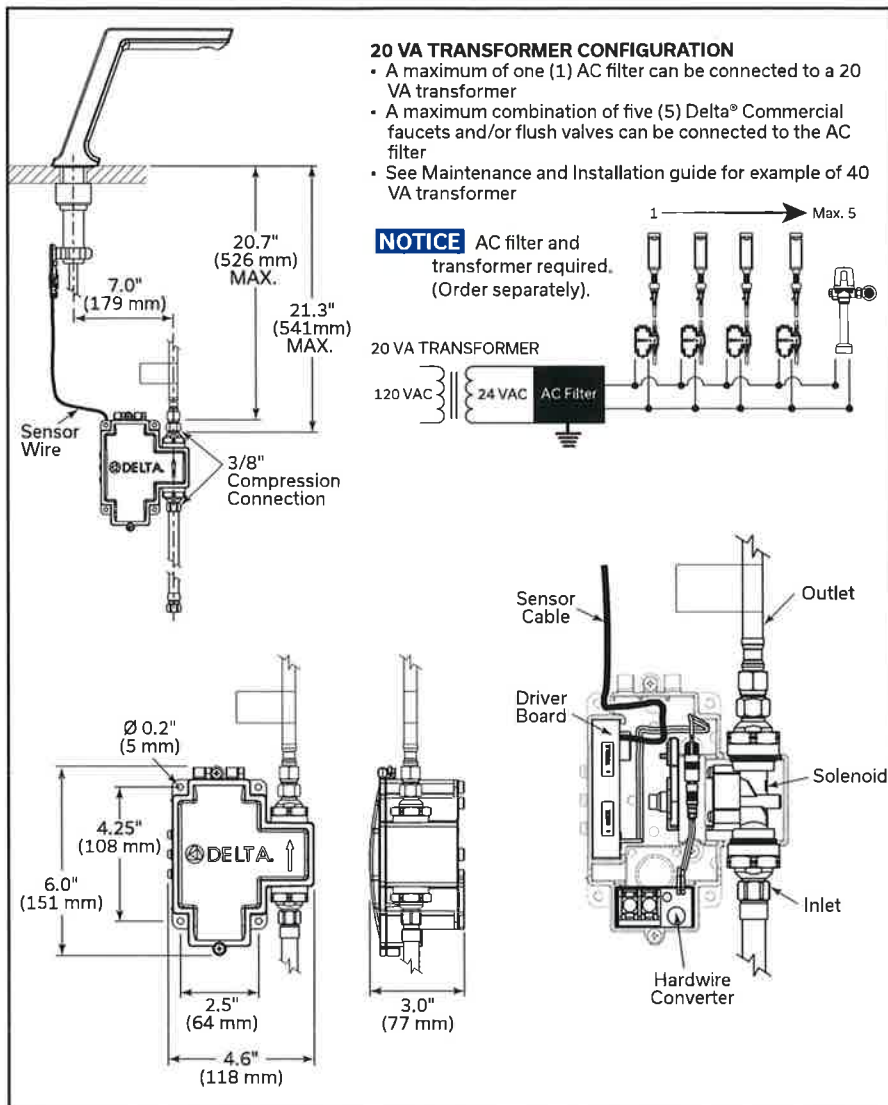
## Hardwire Operated Surface Mount Box

### OPERATION

- Hands free (touchless) operation.
- No visible sensor, the spout is the sensor.
- Adjustable sensing distance, factory set to approximately 3" (76 mm).
- Adjustable auto shut off feature, factory set to 45 seconds.
- Metering mode with selectable flow times of 7 seconds to 4 minutes, factory set to off.
- Periodic Rinse feature, time adjustable in 6 hour increments up to 2 days. Selectable rinsing time from 10 to 180 seconds. Factory set to off.

### NOTICE

- Designed for routine 180°F (82°C) disinfection cycles up to 30 minutes.
- Use only Delta® supplied cable sets. Using non-Delta® cables, cutting or splitting any components will void the warranty.
- Proximity® models not for use on enamel covered metal sinks or metal counter tops.
- Use 2-conductor 18 AWG wire for all electrical connections.
- Use Delta® Commercial approved AC filters and transformers



Accessories (Ordered Separately)	
<b>061305▲</b>	Square 4" (102 mm) Coverplate
<b>061256A</b>	36" (91.4 cm) Sensor Cable Extension
<b>063268A</b>	Hardwire with Battery Backup See <b>DSP-BBBox</b> for detailed specification
<b>060704A</b>	120 to 24 VAC Class 2 20 VA (Up to 5 Electronic Valves)
<b>060771A</b>	120 to 24 VAC Class 2 40 VA (Up to 10 Electronic Valves)
<b>063271A*</b>	AC Filter 24 VAC to 18 VDC (Up to 5 Electronic Valves)
<b>063267A*</b>	AC Filter 24 VAC to 18 VDC plus 120 to 24 VAC Class 2 20 VA (Up to 5 Electronic Valves)
<b>NOTICE</b>	
▲ - Designate Proper Finish Suffix	
* - AC Filter required for hardwire Proximity® models. One (1) AC filter for up to 5 valves.	

**NOTICE** Measurements may vary ± 0.25" (6mm)

WaterSense® is a registered trademark of the U.S. Environmental Protection Agency

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

**NOTICE** Flush volumes are at 60 psi (414 kPa). Use all pages as product submittal sheets.



# CONTRASTA™ SERIES - PROXIMITY® FAUCET

COMMERCIAL

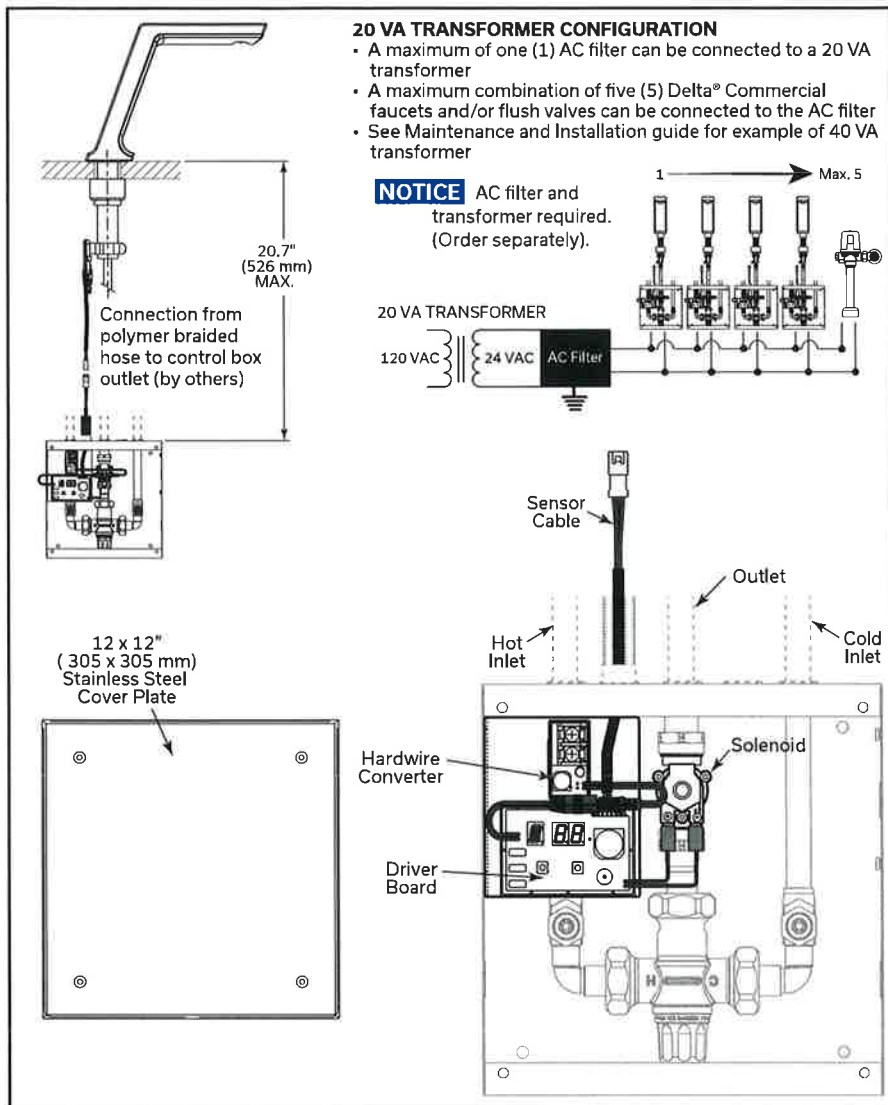
## Hardwire Operated Trim ONLY - Recessed Box

### OPERATION

- Hands free (touchless) operation.
- No visible sensor, the spout is the sensor.
- Adjustable sensing distance, factory set to approximately 3" (76 mm).
- Adjustable auto shut off feature, factory set to 45 seconds.
- Metering mode with selectable flow times of 7 seconds to 4 minutes, factory set to off.
- Periodic Rinse feature, time adjustable in 6 hour increments up to 2 days. Selectable rinsing time from 10 to 180 seconds. Factory set to off.

### NOTICE

- Designed for routine 180°F (82°C) disinfection cycles up to 30 minutes.
- Use only Delta® supplied cable sets. Using non-Delta® cables, cutting or splitting any components will void the warranty.
- Proximity® models not for use on enamel covered metal sinks or metal counter tops.
- Use 2-conductor 18 AWG wire for all electrical connections.
- Use Delta® Commercial approved AC filters and transformers.



Accessories (Ordered Separately)	
061305▲	Square 4" (102 mm) Coverplate
061256A	36" (91.4 cm) Sensor Cable Extension
063268A	Hardwire with Battery Backup See DSP-BBBox for detailed specification
060704A	120 to 24 VAC Class 2 20 VA (Up to 5 Electronic Valves)
060771A	120 to 24 VAC Class 2 40 VA (Up to 10 Electronic Valves)
063271A*	AC Filter 24 VAC to 18 VDC (Up to 5 Electronic Valves)
063267A*	AC Filter 24 VAC to 18 VDC plus 120 to 24 VAC Class 2 20 VA (Up to 5 Electronic Valves)
<b>NOTICE</b> ▲ - Designate Proper Finish Suffix * - AC Filter required for hardwire Proximity® models. One (1) AC filter for up to 5 valves.	

**NOTICE** Measurements may vary ± 0.25" (6mm)

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**NOTICE** Flush volumes are at 60 psi (414 kPa). Use all pages as product submittal sheets.

DSP-820DPA, Rev. C

# CONTRASTA™ SERIES - PROXIMITY® FAUCET

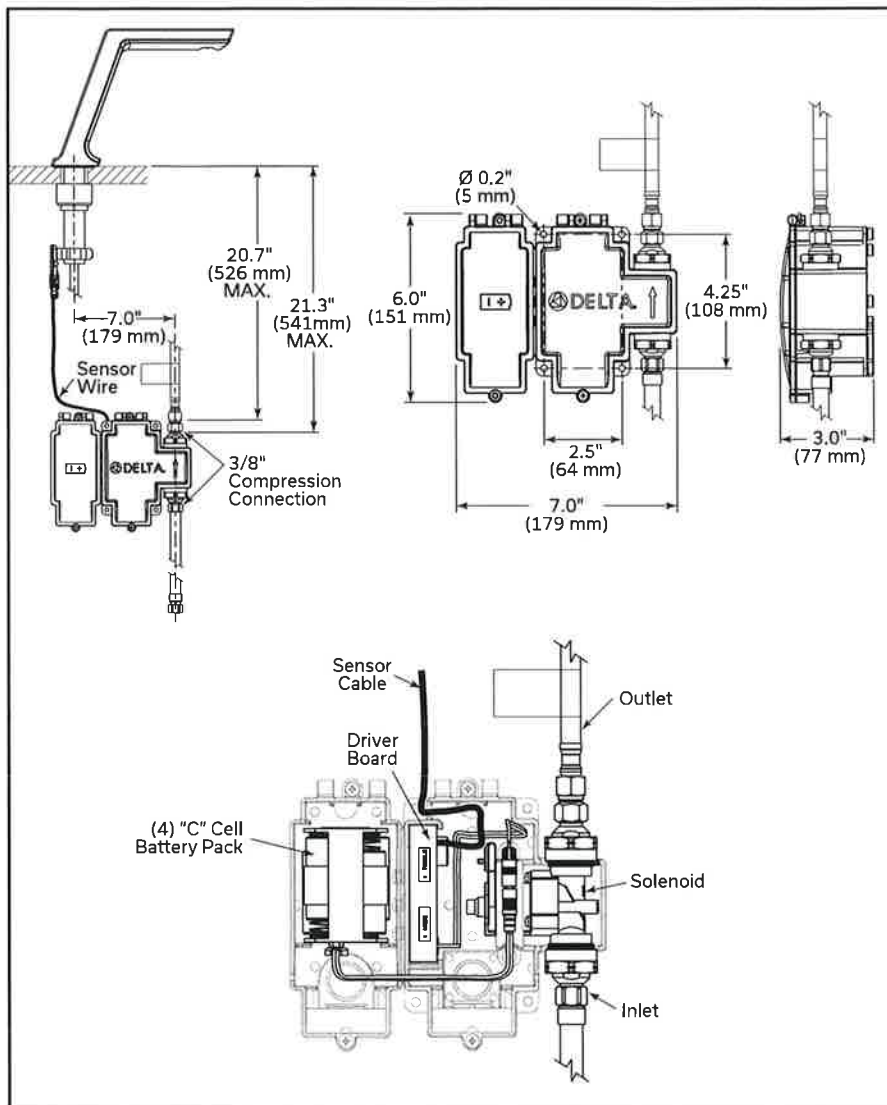
## Battery Operated Surface Mount Box

### OPERATION

- Hands free (touchless) operation.
- No visible sensor, the spout is the sensor.
- Adjustable sensing distance, factory set to approximately 3" (76 mm).
- Low battery audible beep (for battery models only) will activate after faucet shuts off when low battery condition exists.
- Adjustable auto shut off feature, factory set to 45 seconds.
- Metering mode with selectable flow times of 7 seconds to 4 minutes, factory set to off.
- Periodic Rinse feature, time adjustable in 6 hour increments up to 2 days. Selectable rinsing time from 10 to 180 seconds. Factory set to off.

### NOTICE

- Designed for routine 180°F (82°C) disinfection cycles up to 30 minutes.
- Use only Delta® supplied cable sets. Using non-Delta® cables, cutting or splitting any components will void the warranty.
- Proximity® models not for use on enamel covered metal sinks or metal counter tops.



Accessories (Ordered Separately)	
<b>061305▲</b>	Square 4" (102 mm) Coverplate
<b>061256A</b>	36" (91.4 cm) Sensor Cable Extension
<b>063272A</b>	60" (152.4 cm) Ganging/Splitter Cable
<b>063266A</b>	60" (152.4 cm) Plug-in Power Supply 6 VDC
<b>NOTICE</b>	
▲ - Designate Proper Finish Suffix	

**NOTICE** Measurements may vary ± 0.25" (6mm)

WaterSense® is a registered trademark of the U.S. Environmental Protection Agency

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

**NOTICE** Flush volumes are at 60 psi (414 kPa). Use all pages as product submittal sheets.

**DSP-820DPA, Rev. C**

**063267A – AC Filter with Transformer**  
**(063271A and 060704A)**



063267A

**060704A – Hardwire Transformer**

**RP32508 – Hardwire Transformer**

**SPECIFICATIONS**

**General:** Supplies power for up to five Delta Commercial 590-PAHDF, 590TPA, 591TPA, 620TPA or 630TPA Series electronic hardwire units.

**Input Voltage:** 120 VAC @ 60 Hz

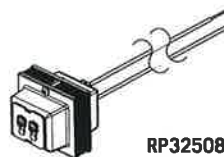
**Output Voltage (unloaded):** 24 VAC  $\pm$  3% @ 20 VA

**Maximum Output Current:** 800 mA

**Physical Connections:** Universal Mounting Clip

**Terminals:** Screw Type

**Safety Approval:** UL Listed Class 2  
CSA Certified



RP32508

**060771A – Hardwire Transformer**

**SPECIFICATIONS**

**General:** Supplies power for up to ten 590-PAHDF, 590TPA, 591TPA, 620TPA, 630TPA Series electronic hardwire units.

**Input Voltage:** 120 V

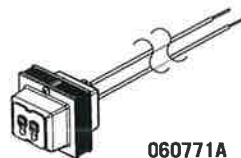
**Output Voltage (unloaded):** 24 VAC @ 40 VA

**Maximum Output Current:** 1.67 A

**Physical Connections:** Universal Mounting Clip

**Terminals:** Screw Type

**Safety Approval:** UL Listed Class 2  
CSA Certified



060771A

**063270A – Hardwire Converter**

**SPECIFICATIONS**

**General:** Converts Delta Commercial 590-PAHDF, 590TPA, 591TPA, 620TPA, 630TPA Series. 24 VAC to 6.4 VDC. Supplied with hardwire models.

**Input Voltage:** 12 - 24 V (AC or DC)

**Output Voltage:** 6.4 VDC  $\pm$  5%

**Operating Temperature Range:** -55°C to 85°C

**Terminals:** Screw Type

**Wire Size:** #22 AWG Minimum



063270A

**063271A – AC Filter**

**SPECIFICATIONS**

**General:** Required for hardwire models – up to five 590TPA, 591TPA, 620TPA, 630TPA, 590/591/592-PAHDF Series.

**Input Voltage:** 24 VAC

**Output Voltage:** 18 VDC



063271A

**063266A – Plug-In Power Supply**

**SPECIFICATIONS**

**General:** Supplies power for up to five Delta Commercial 590-PAHDF, 590TPA, 591TPA, 620TPA or 630TPA electronic units. Supplied with plug-in models

**Input Voltage:** 100-240 V @ 50-60 Hz

**Output Voltage (unloaded):** 6.3 VDC  $\pm$  5%

**Maximum Output Current:** 2 A

**Operating Temperature Range:** 0°C to 40°C

**Physical Connections:** Plug-In Connection

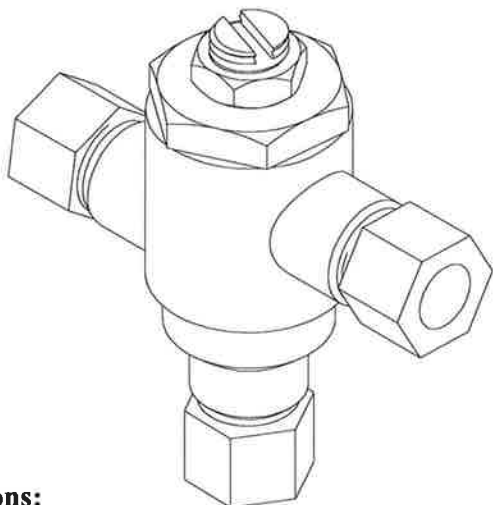
**Wire Length:** 59"

**Safety Approval:** UL Listed Class 2  
Efficiency Level VI  
FCC



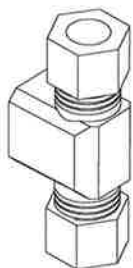
063266A

# 170A-LF

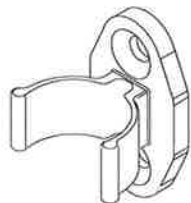


## Options:

- ☐ STSTL REC- Stainless steel cabinet, #4 finish, recessed
- ☐ STSTL EXP- Stainless steel cabinet, #4 finish, exposed
- ☐ BWE REC- Steel cabinet, baked white, recessed
- ☐ BWE EXP- Steel cabinet, baked white, exposed
- ☐ BP- Cold water By-Pass (shipped loose)
- ☐ BRKT- mounting bracket (shipped loose)
- ☐ CP- Chrome plated finish



BP option



BRKT option



**WARNING:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to <http://www.p66.org>

\* This product is certified to meet Low Lead requirements of wetted surface area containing less than 0.25% lead by weight

## Engineer's Approval

Job # \_\_\_\_\_

Arch/Eng. \_\_\_\_\_

Contractor \_\_\_\_\_

## Application:

Submittal Data Sheet S-170A-LF

April, 2020

The Model 170A-LF is a high performance thermostatic temperature limiting device used to supply single outlets. Can be used to supply one sensor faucet or one two handle manual faucet.

## Features:

- Certified to ASSE 1070 to control down to 0.25 GPM
- Eco-Mix Certified Lead-Free\* construction
- Integral inlet checks and stainless steel screens
- Vandal resistant locknut to prevent accidental adjustment
- Easy 3/8" tubing or flex hose installation

## Specifications:

- Minimum flow: 0.25 GPM (0.95 l/Min) Certified to ASSE
- Maximum flow: 4 GPM
- Maximum pressure: 125 PSI (8.6 BAR)
- Maximum hot water temperature: 180°F (82°C)
- Hot water inlet temperature range: 120-180°F (49-82°C)
- Cold water inlet temperature range: 33-80°F (1-27°C)
- Temperature adjustment range: 95-120°F (35-49°C)

## Certifications:

ASSE 1070-2015

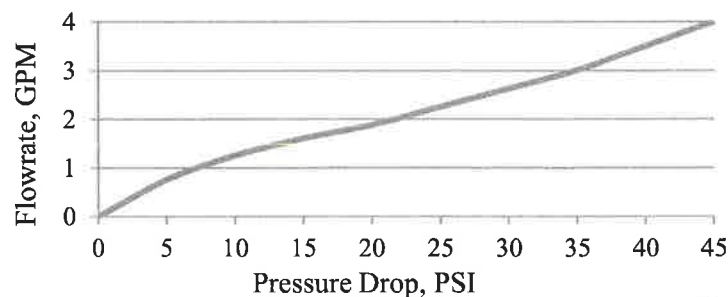


CSA B125.70-15



Certified to NSF61 thru the ASSE 1070 testing process

PRESSURE DROP						
5	10	15	20	30	45	PSI
.35	.70	1.05	1.4	2.1	3.1	BAR
0.75	1.25	1.6	1.88	2.63	4	GPM
2.84	4.73	6.06	7.1	10	15	L/MIN



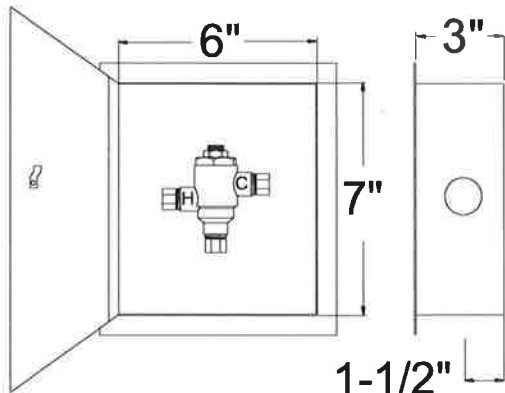
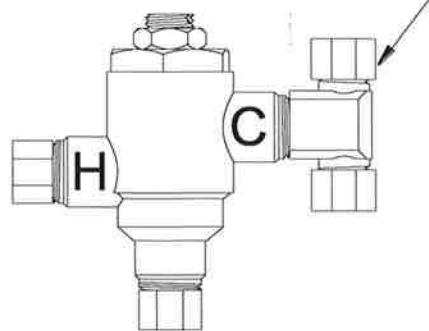
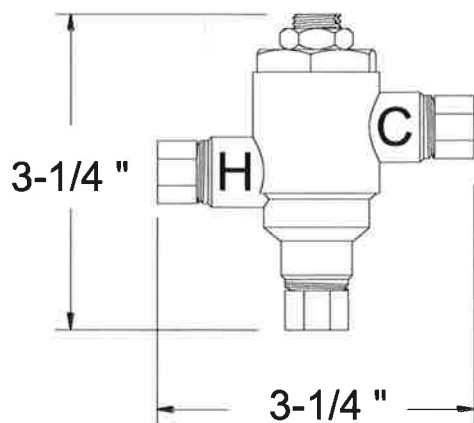
1360 Elmwood Avenue, Cranston, RI 02910 USA

Phone: 401.461.1200 Fax: 401.941.5310

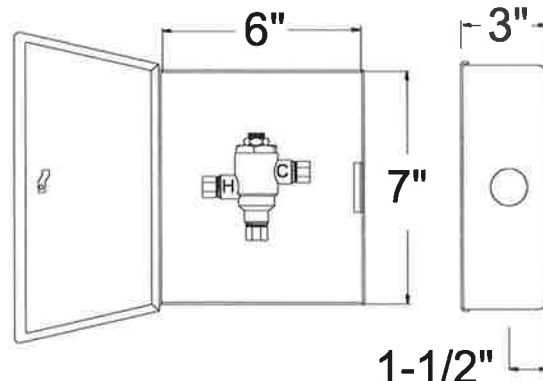
Email: [info@leonardvalve.com](mailto:info@leonardvalve.com)

Web Site: <http://www.leonardvalve.com>

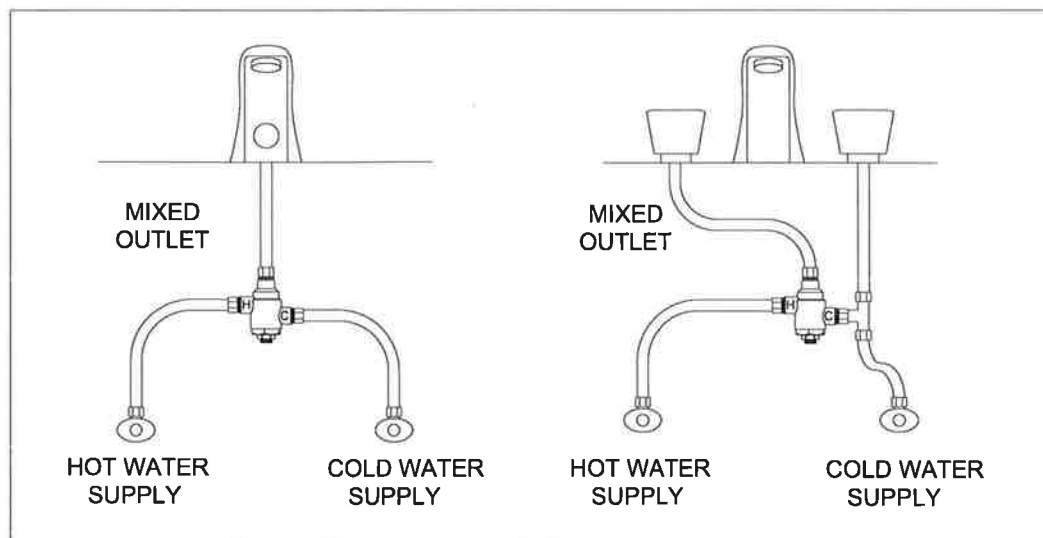
BP-OPTION



**170A-LF-REC**



**170A-LF-EXP**



**170A-LF**

**170A-LF-BP**



Note: Leonard Valve Company reserves the right of product, or design modifications without notice or obligation.

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Printed in USA

1360 Elmwood Avenue, Cranston, RI 02910 USA  
Phone: 401.461.1200 Fax: 401.941.5310  
Email: [info@leonardvalve.com](mailto:info@leonardvalve.com)  
Web Site: <http://www.leonardvalve.com>



## McGuire Manufacturing Co., Inc.

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

### PRODUCT SPECIFICATION

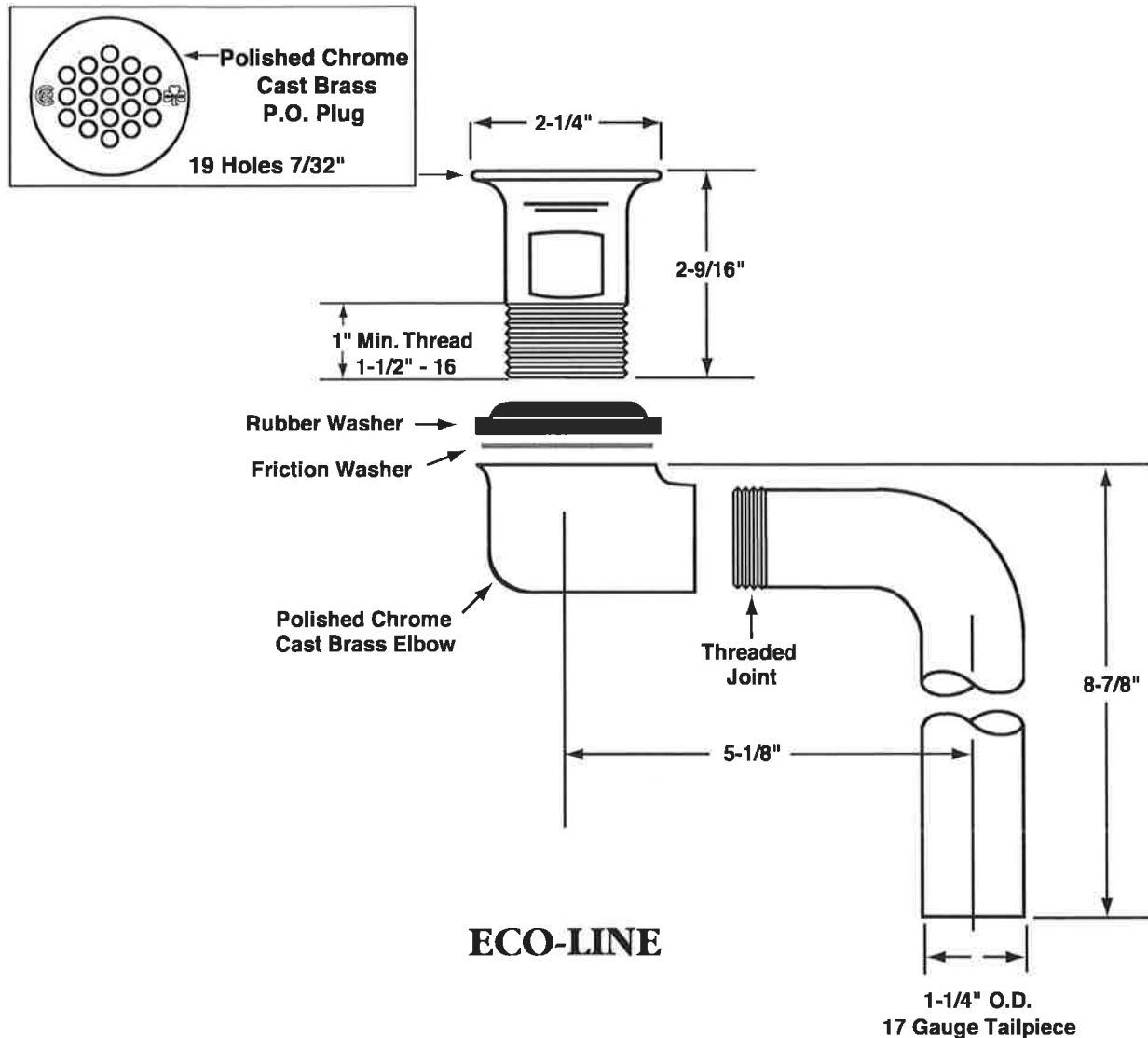
Part No.

**155WCECO**

**Offset Lavatory  
Grid Strainer**

Job Name:

Submittal Number:



A.D.A.



SP® Certified

### Specifications:

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





# McGuire Manufacturing Co., Inc.

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

## PRODUCT SPECIFICATION

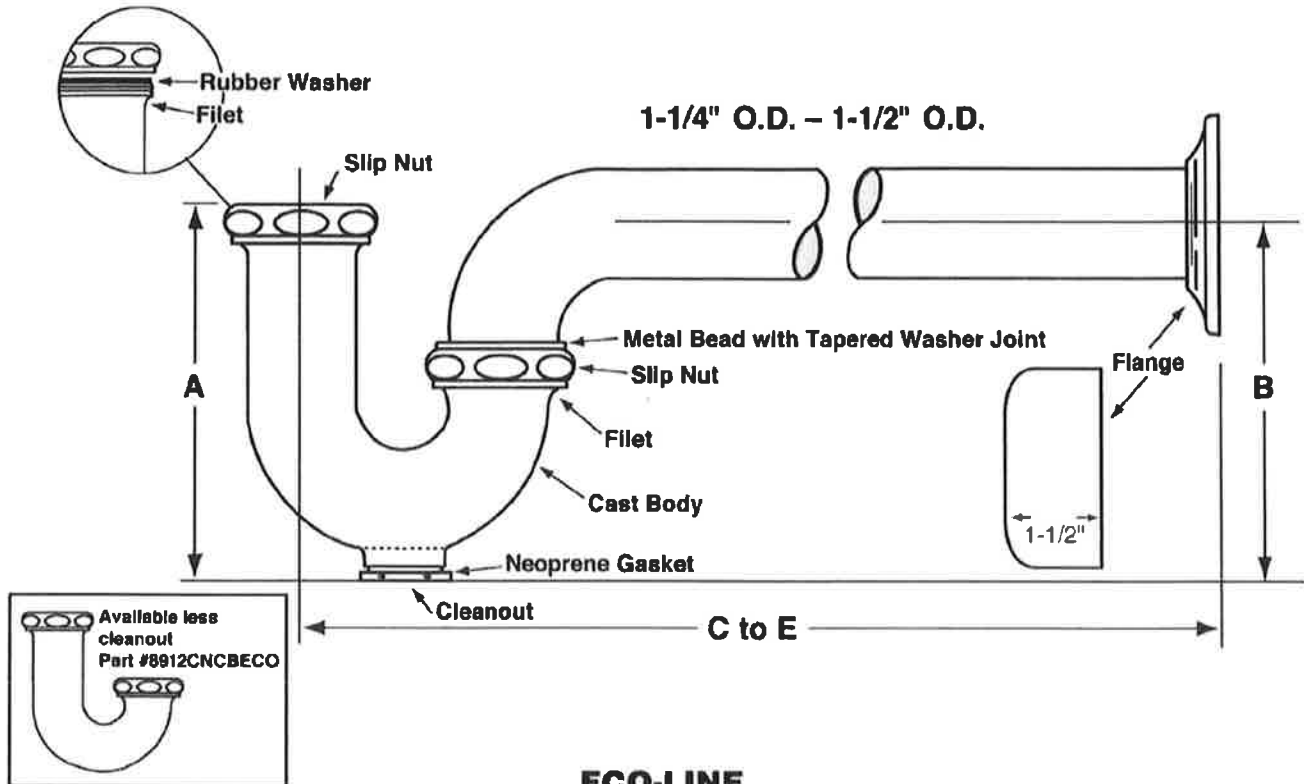
Part No.

**C8872CECO**

**Cast Body P-Trap With  
or Without Cleanout**

Job Name:

Submittal Number:



### ECO-LINE

#### ROUGHING MEASUREMENTS

MODEL NO.	TRAP DIMENSIONS		A	B	C to E	FLANGE	SLIP NUT
	INLET	OUTLET					
<b>C8872CECO</b>	1-1/4"	1-1/4"	4-1/2"	4-1/2"	10"	Shallow	Zinc

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



ASME A112.18.2/CSA B125.2

### Specifications:

Chrome plated P-Trap shall be cast brass body, with or without cleanout, with 17 gauge seamless tubular wall bend and flange.



#### WARNING:

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

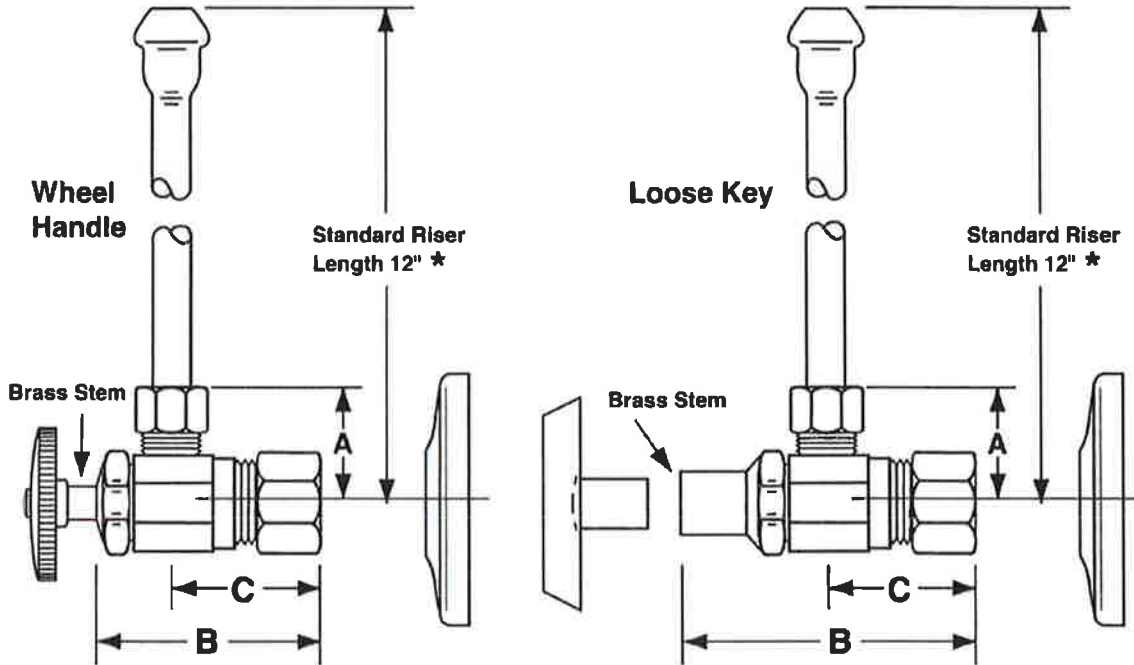
**McGuire Manufacturing Co., Inc.**

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

**PRODUCT SPECIFICATION****Part No.**

LF2165CC, **LF2165CCLK**,  
LF2167CC, LF2167CCLK

**Compression x Compression  
Lavatory Supply**

**Job Name:** \_\_\_\_\_**Submittal Number:** \_\_\_\_\_

NO.	DESCRIPTION	ROUGHING MEASUREMENTS		
		A	B	C
LF2165CC	1/2" Nominal x 3/8" O.D.	1"	1-3/4"	1"
<b>LF2165CCLK</b>	1/2" Nominal x 3/8" O.D.	1"	2-3/8"	1"
LF2167CC	1/2" Nominal x 1/2" O.D.	1"	1-3/4"	1-1/4"
LF2167CCLK	1/2" Nominal x 1/2" O.D.	1"	2-3/8"	1-1/4"

**LK** designates Loose Key

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

**Specifications:**

Supply kit shall include low lead chrome plated supply brass stop valves with full turn brass stem, no plastic, (12, 15, 20) inch chrome plated risers and (shallow, deep, bell) (steel, brass) or (forged brass with set screw) flange. Inlet shall be (3/8, 1/2) inch IPS. Outlet shall be (3/8, 1/2) inch (IPS, compression). Supply kit shall be McGuire \_\_\_\_\_. Supply kit shall be low lead certified by recognized authority and bear manufacturer and testing mark.



**P-3**



## Washbrook® FloWise® Universal Urinal VITREOUS CHINA

BARRIER FREE

### Washbrook® FloWise® Universal Urinal

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

☐ **6590.001 Universal Top spud**

☐ ~~6515.001 Universal Back spud~~

#### Nominal Dimensions:

360 x 480 x 664mm

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

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

#### Compliance Certifications -

##### Meets or Exceeds the Following Specifications:

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



SEE REVERSE FOR ROUGHING-IN DIMENSIONS

#### To Be Specified:

☐ Color: ☒ **White**

☐ Flush Valve:

1.0 gpf Flush Valve: Sensor-Operated:

- ☐ American Standard Selectronic® #6063.101.002 DC Power (Top Spud)
- ☐ American Standard Selectronic® #6062.101.002 AC Power (Back Spud)

1.0 gpf Flush Valve: Manual-Operated:

- ☐ American Standard # 6045.101.002

0.5 gpf Flush Valve: Sensor-Operated:

- ☐ American Standard Selectronic® #6063.051.002 DC Power (Top Spud)
- ☐ American Standard Selectronic® #6062.051.002 AC Power (Back Spud)

0.5 gpf Flush Valve: Manual-Operated:

- ☐ American Standard #6045.051.002

0.125 gpf Flush Valve: Sensor-Operated:

- ☐ American Standard Selectronic® #6063.013.002 DC Power (Top Spud)
- ☐ American Standard Selectronic® #6062.013.002 AC Power (Back Spud)

0.125 gpf Flush Valve: Manual-Operated:

- ☐ American Standard #6045.013.002



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

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

CEC

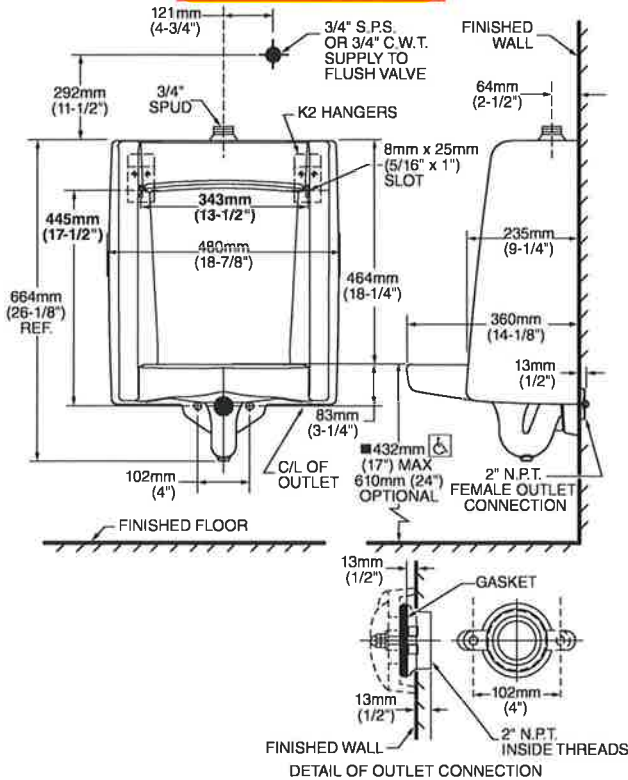


When used with  
0.125 gpf  
urinal flush valve

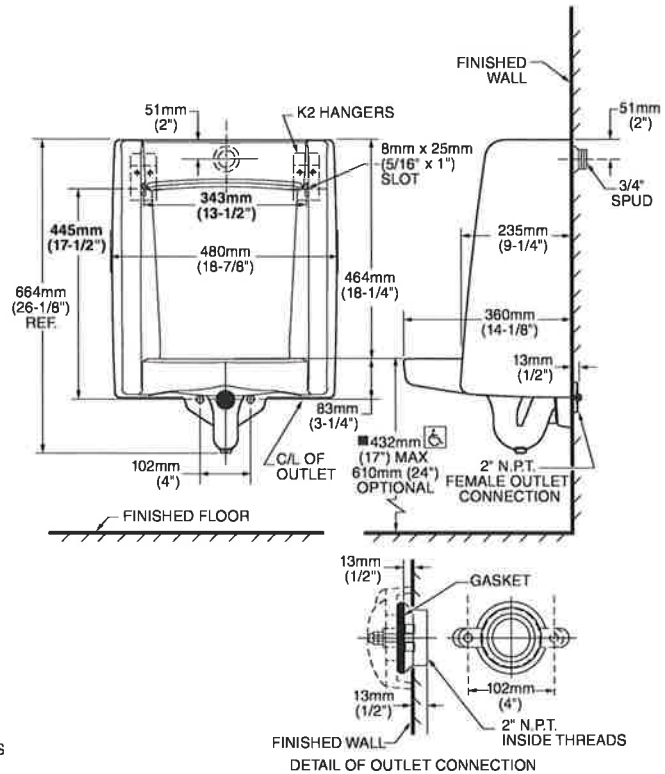
When used with  
0.125 or 0.5 gpf  
urinal flush valve

ADA  
COMPLIANT

**6590.001 TOP SPUD**



**6515.001 BACK SPUD**



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

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

**NOTES:**

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

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



## ZEMS6003AV-IS

Hardwired Exposed Flush Valve for Urinals

TAG P-3

### Architectural/Engineering Specification:

Exposed, quiet diaphragm-type, chrome plated flushometer valve with a polished exterior. Complete with chloramine resistant, dual seal diaphragm with a clog resistant by-pass. The valve incorporates a motor actuator, an integral infrared convergence-type proximity sensor and a manual sensor with capacitive sensing push button override, high impact resistant polycarbonate housing and chrome plated plastic cover with manual override push button and 10 degree angled sensor.

### Product Features:

- Proprietary Dezincification resistant low lead brass alloy
- Control Stop has internal siphon-guard protection and vandal resistant stop cap, Sweat solder kit, wall flange with set screw.
- High back pressure Vacuum Breaker with one piece hex coupling nut
- Chloramine resistant Internal seals
- Adjustable tailpiece
- Spud coupling and flange for top spud connection

### Compliance and Certification:

- ADA Compliant
- Complies with ASSE 1037/ASME A112.1037/CSA B125.37



\*This product should be used with a WaterSense labeled counterpart with a compatible flush volume to ensure that the entire system meets the requirements for water efficiency and performance.



### Flow Options:

	Flush Volume	WaterSense* Labeled
<input type="checkbox"/> -ULF	0.125 apf	✓
<input checked="" type="checkbox"/> -EWS	0.5 gpf	✓
<input type="checkbox"/> -WS1	1.0 gpf	

### Suffix Options:

- ☐ -FM12 Floor Mount 12" Rough In
- ☐ -YJ Split Ring Pipe Support
- ☐ -YK Solid Ring Pipe Support
- ☐ Other

### Valve Height Options:

	Product No.	A	B
<input checked="" type="checkbox"/>	ZEMS6003AV-IS	11 1/2" [292]	9 7/8 [251]
<input type="checkbox"/>	ZEMS6003AV-1-IS	16" [406]	14 3/8 [365]
<input type="checkbox"/>	ZEMS6003AV-2-IS	24" [610]	22 3/8 [568]

### Accessories (Order separate as specified)

- P6900-ACA-BA** 7.6VDC Plug-In ACA Power Supply  
Powers up to 4 valves
- P6000-HW6** 7.6VDC Hardwired Power Converter  
Powers up to 8 valves
- P6000-MJ** Mini Junction Box

Architectural/Engineering Approval

The information contained in this document is subject to change without notice.  
Please contact Zurn for most up to date information.

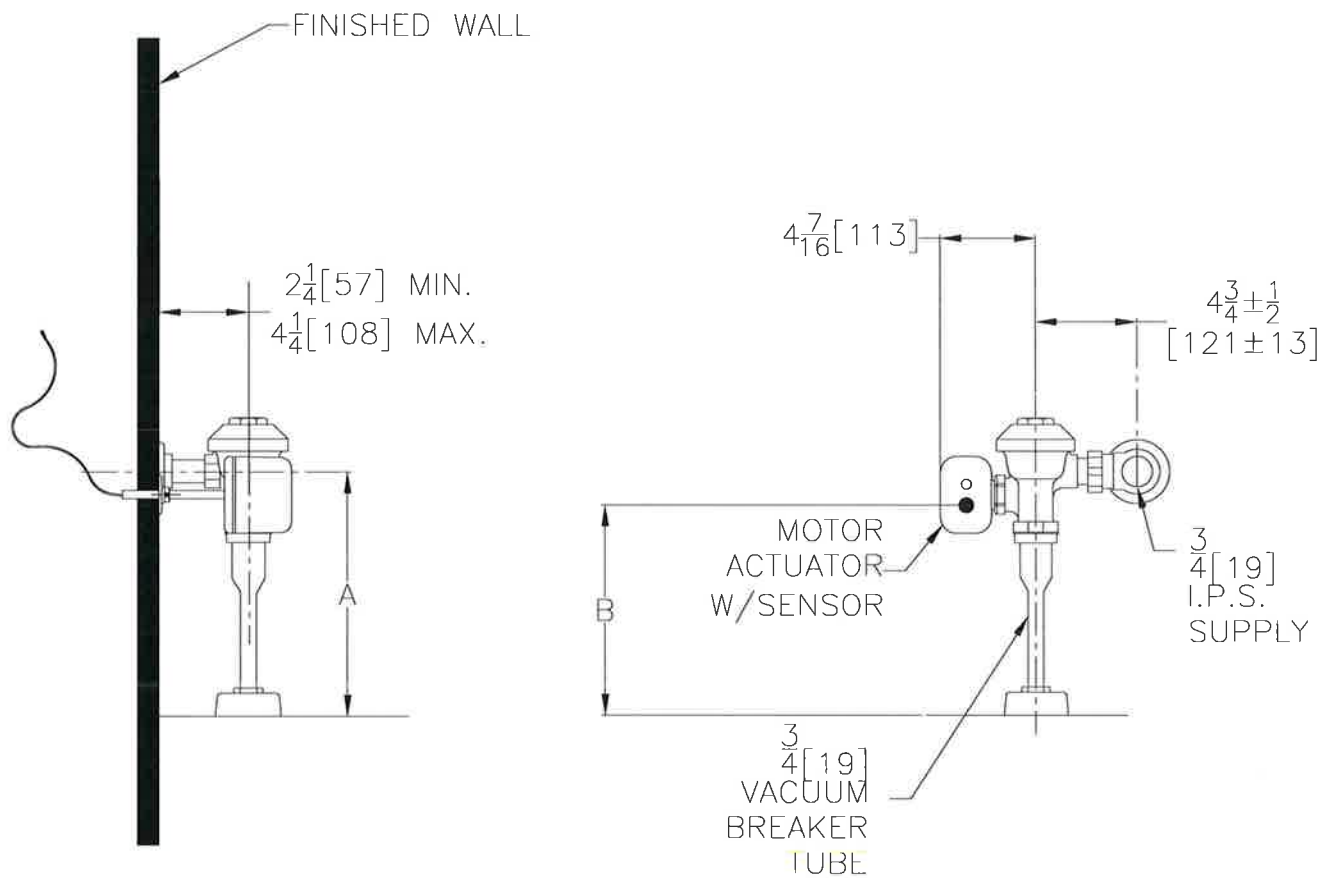


## ZEMS6003AV-IS

Hardwired Exposed Flush Valve for Urinals

TAG \_\_\_\_\_

### Rough-in/Overview dimensions



Rev. A | Date: 12/06/22 | C.N. No. 144844 | Prod./Dwg. No. SS ZEMS6003AV-IS

Patent [zurn.com/patents](http://zurn.com/patents)

US 1.855.0NE.ZURN CANADA 1.877.892.5216

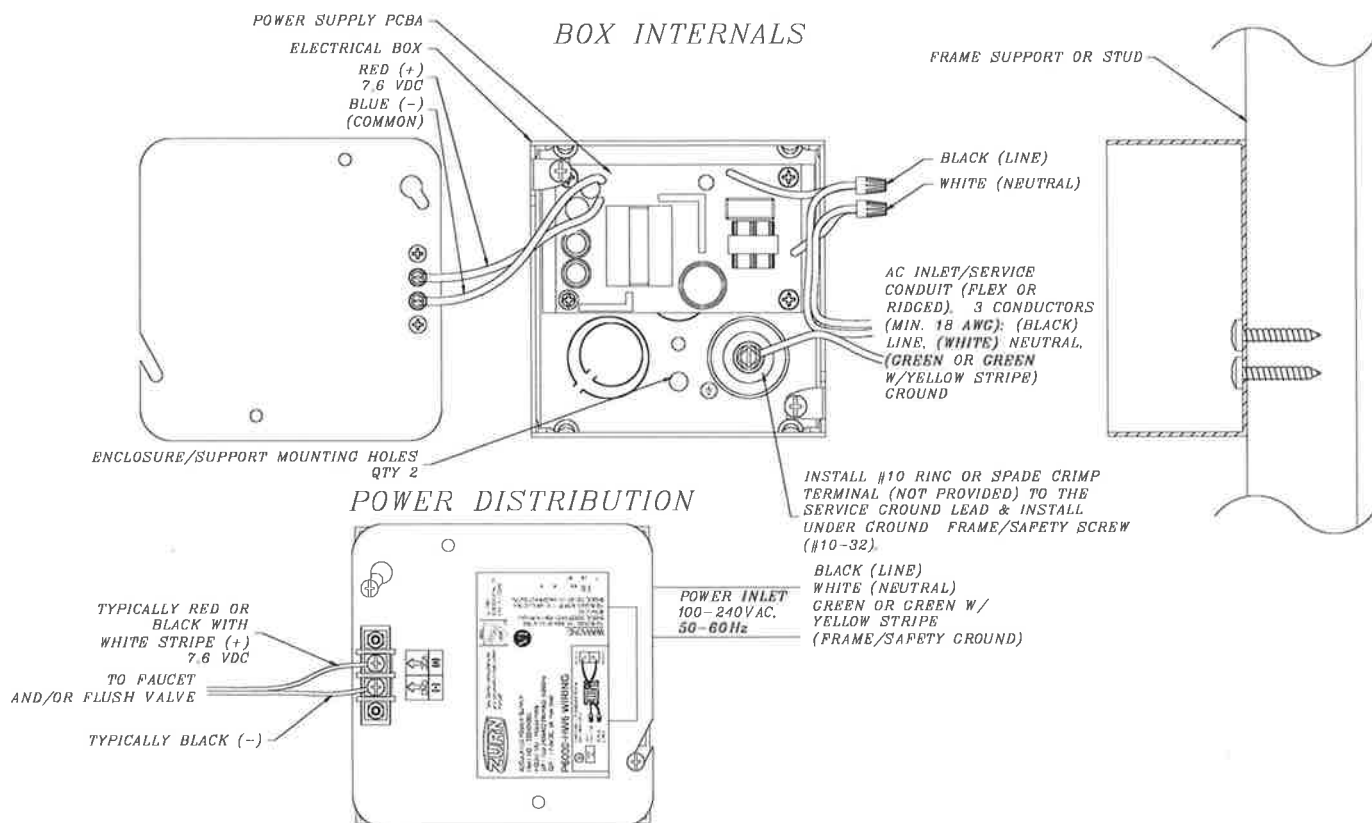
[ZURN.COM](http://ZURN.COM)

by **ZURN ELKAY** Water Solutions



## P6000-HW6

### 7.6 VDC Hardwired Power Converter for Flush Valves and Faucets



**ENGINEERING SPECIFICATION: ZURN P6000-HW6 Power Converter** - The Hardwired Power Converter is a 7.6 VDC regulated, 2.0A power supply that will operate up to: (8) ZEMS or ZEMS-IS Sensors/Actuators, (8) ZESS Sensors/Solenoids, (8) sensor faucets, or (8) Pint Urinal valves. The unit shown above is integrated into a 4"L x 4"W x 2-1/8"D electrical box. The AC input connections are terminated within the electrical box. The 7.6 VDC output terminals are externally mounted to the cover plate.

#### Notes:

1. Mounting hardware (AC inlet conduit/cable clamp and enclosure-frame mounting screws) are NOT provided.

**Typical Rough-In:** The 3 input conductors (line, neutral and frame ground) are routed within conduit to the P6000-HW6 and the AC inlet and the frame/safety ground leads are terminated within the assembly. The low voltage, 7.6 DC, output connections are terminated externally and depending upon the installation area, appropriate cable/conductor insulation must be selected to meet local codes (conduit not required for the low voltage output conductor paths).

Architectural/Engineering Approval

The information contained in this document is subject to change without notice.  
Please contact Zurn for most up to date information.

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

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

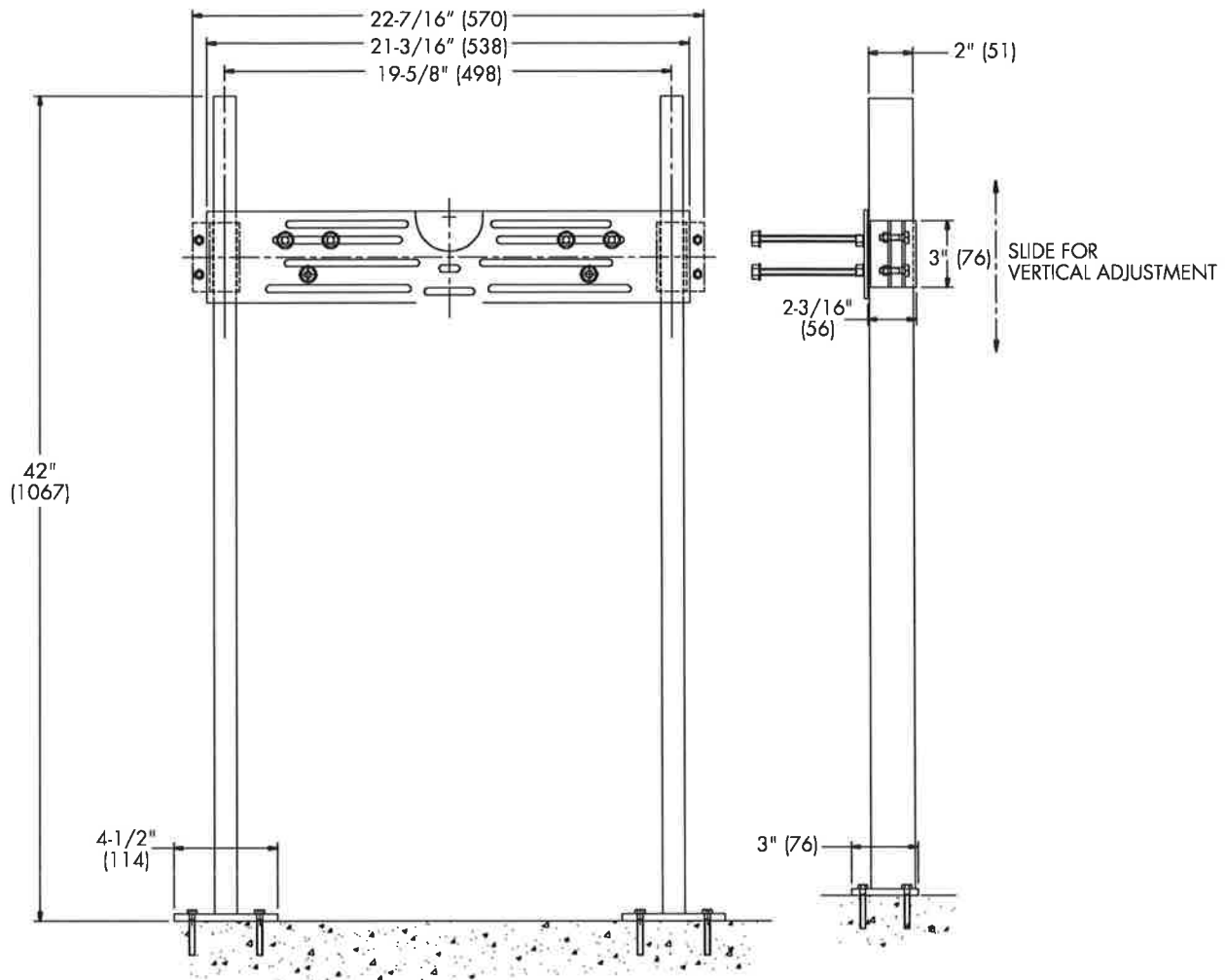
In Canada: ZURN INDUSTRIES LIMITED ♦ 7900 Goreway Drive Unit 10 ♦ Brampton, Ontario L6T5W6 ♦ Phone: 905-405-8272 Fax: 905-405-1292



CA-311  
Tag: P-3

## Floor Mounted Urinal Carrier

**SPECIFICATION:** Watts Drainage CA-311 epoxy coated floor mounted urinal carrier with heavy gauge steel offset uprights with welded feet, universal steel hangar support plate with integral mounting brackets and plated hardware.



Note: Anchor legs to concrete floor with minimum  
1/2" (13) anchor bolts (by others).

Job Name **Stone Bank** Contractor **Comfort Systems USA**  
Job Location **LR** Contractor's P.O. No. \_\_\_\_\_  
Engineer **Batson** Representative **Sanders Supply**

WATTS Drainage reserves the right to modify or change product design or construction without prior notice and without incurring any obligation to make similar changes and modifications to products previously or subsequently sold. See your WATTS Drainage representative for any clarification. Dimensions are subject to manufacturing tolerances.



Specification Drainage Products

USA: 100 Watts Road, Spindale, NC, 28160-2298; TEL: 828-288-2179 TOLL-FREE: 1-800-338-2581 [www.watts.com](http://www.watts.com)

**P-4**



**TERRAZZO**

**12" MOP SERVICE BASIN**

- One piece, precast terrazzo made of black and white marble chips in gray portland cement to produce a compressive strength not less than 3000 P.S.I. seven days after casting.
- Terrazzo surface shall be ground and polished with all air holes or pits grouted and excess removed.
- Shoulders shall be not less than 12" high outside and 10" inside at lowest wall.
- Shoulder width not less than 2" on all sides with a 1/4" pitch towards the inside.
- Standard drain body is stainless steel cast integrally and provides for a caulked lead connection not less than 1" deep to a 3" pipe.
- Stainless steel strainer # 1453BB
- Made in the U.S.A.

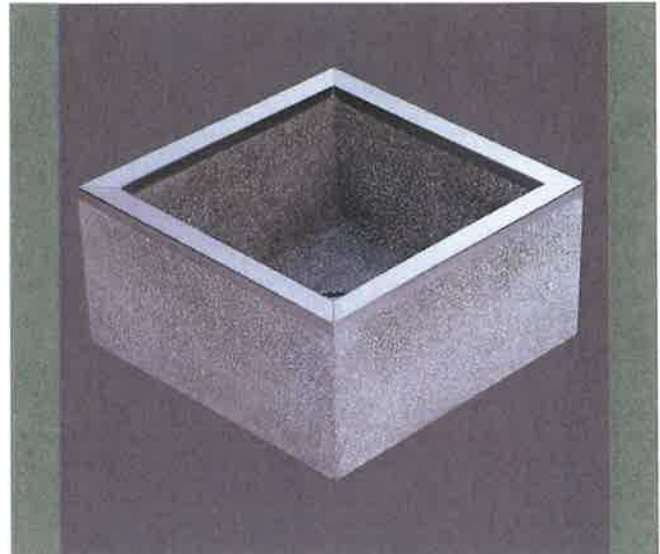
**Options:**

- QDC quick drain connectors
- Stainless steel tiling flanges available with up-charge. Must be custom order.
- Vandal proof drain. Must be custom order.

- ☐ **TSB100, TSB300, TSB500, TSB700 Series** with stainless steel caps on all curbs
- ☐ **TSB200, TSB400, TSB600, TSB800 Series** with plain curbs

**Optional Components:**

- ☐ **830AA Mop Service Basin Fitting**
- ☐ **832AA Hose & Hose Bracket**
- ☐ **889CC Mop Hanger**
- ☐ **1239BB Aluminum Bumperguard with Vinyl Insert**
- ☐ **833AA Silicone Sealant**
- ☐ **MSG Wall Guards - Stainless Steel**
- Wall Guards are manufactured of heavy gauge stainless steel and help protect walls adjacent to Mop Basin. Two panels are required for corner installations. Optional third panel is required for a recessed installation. (MSG2424; MSG2828; MSG3232; MSG3624; MSG3636)



Shown: TSB500

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

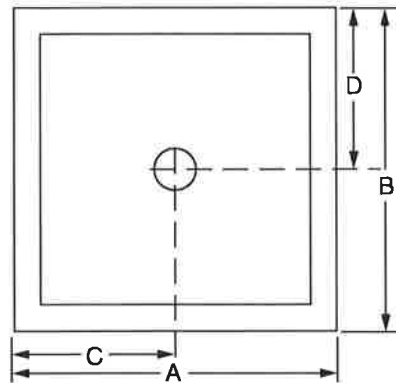
**INSTALLATIONS:** Terrazzo Mop Basins **must** be installed on a 1/2" layer of mortar in order that the mop basin be level and to prevent cracking. Failure to install terrazzo without a mortar bed will void the warranty. Installations require a 1/4" clearance between mop basin and wall.

**IMPORTANT:** Rough-in dimensions may vary 1/2" (13mm) and are subject to change or cancellation without prior notice.

**CERTIFICATIONS:**

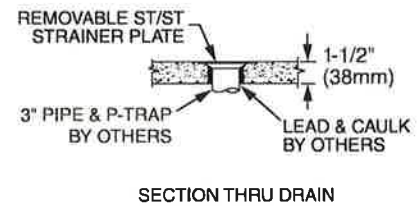
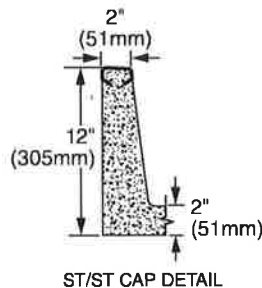
All models are UPC and CUPC Listed





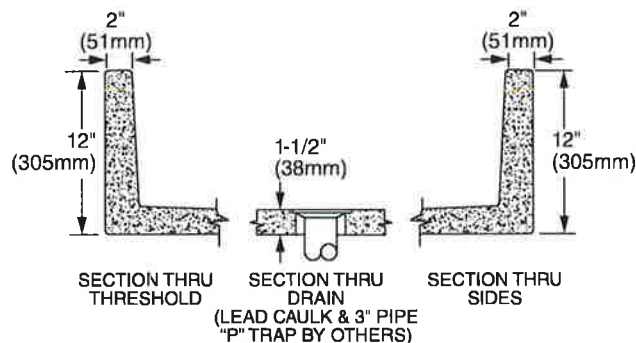
**Series TSB100**  
With Stainless Steel Caps On All Curbs

MODEL	SIZE	A	B	C	D
TSB100	24" x 24" x 12"	24	24	12	12
TSB300	32" x 32" x 12"	32	32	16	16
TSB500	36" x 36" x 12"	36	36	18	18
TSB700	36" x 24" x 12"	36	24	18	12



**Series TSB200**  
With Plain Curbs

MODEL	SIZE	A	B	C	D
TSB200	24" x 24" x 12"	24	24	12	12
TSB400	32" x 32" x 12"	32	32	16	16
TSB600	36" x 36" x 12"	36	36	18	18
TSB800	36" x 24" x 12"	36	24	18	12



**IMPORTANT:** Roughing in dimensions may vary 1/2" and are subject to change or cancellation without prior notice.



# T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088  
Travelers Rest, SC 29690

Model No.

**B-0665-BSTP**

Item No.

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com



**ADA Compliant**

This Space for Architect/Engineer Approval

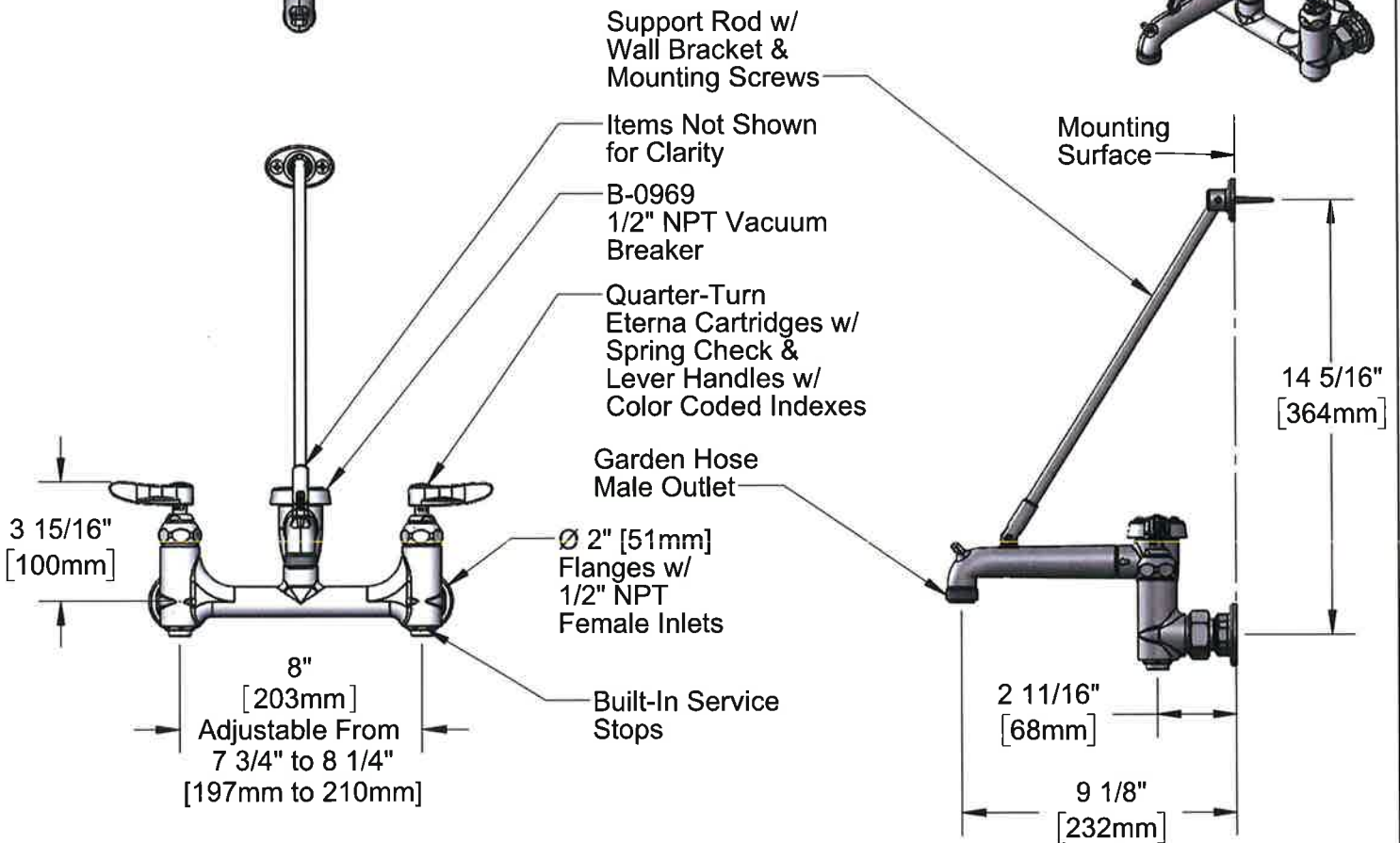
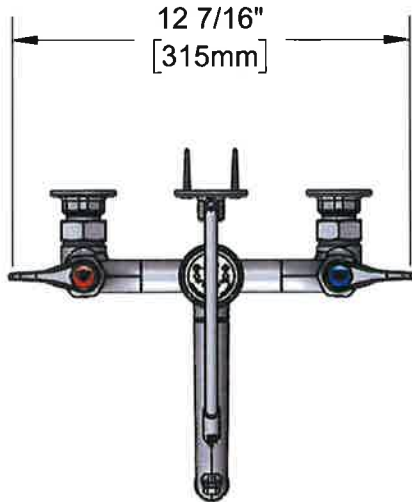
Job Name \_\_\_\_\_ Date \_\_\_\_\_

Model Specified \_\_\_\_\_ Quantity \_\_\_\_\_

Customer/Wholesaler \_\_\_\_\_

Contractor \_\_\_\_\_

Architect/Engineer \_\_\_\_\_



## Product Specifications:

8" Wall Mount Service Sink, Quarter-Turn Eterna Cartridges w/ Spring Checks, Lever Handles, Upper Support Rod, Built-In Stops, Garden Hose Male Outlet, Polished Chrome Finish, 1/2" NPT Vacuum Breaker & 1/2" NPT Female Inlets

## Product Compliance:

ASME A112.18.1 / CSA B125.1  
NSF 61 - Section 9  
NSF 372 (Low Lead Content)  
ANSI A117.1 (ADA)  
ASSE 1001 (VB)



# T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088  
Travelers Rest, SC 29690

Model No.

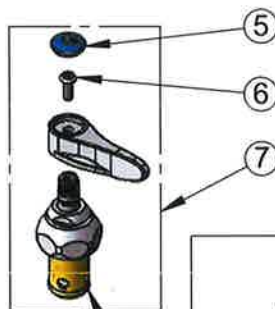
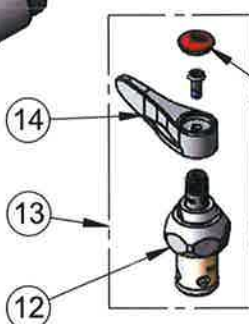
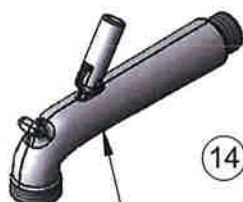
**B-0665-BSTP**

Item No.

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com



ITEM NO.	SALES NO.	DESCRIPTION
1	009545-40	Spout w/ Male GH Outlet & Upper Clevis - Polished Chrome
2	009546-40	Upper Support Rod
3	B-0969	1/2" NPT Vacuum Breaker
4	002534-25	Close Nipple, 1/2" NPT
5	018506-19NS	Blue Button Index, Press-in
6	000925-45	Lab Handle Screw
7	002711-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, Handle, Blue Index & Screw, LTC
8	012442-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, LTC
9	001019-45	Coupling Nut Washer
10	00AA	1/2" NPT Female Eccentric Flange
11	163A	Built-in Service Stop
12	012443-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, RTC
13	002712-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, Handle, Red Index & Screw, RTC
14	001638-45NS	Lever Handle (New Style)
15	001193-19NS	Red Button Index, Press-in



## Product Specifications:

8" Wall Mount Service Sink, Quarter-Turn Eterna Cartridges w/ Spring Checks, Lever Handles, Upper Support Rod, Built-In Stops, Garden Hose Male Outlet, Polished Chrome Finish, 1/2" NPT Vacuum Breaker & 1/2" NPT Female Inlets

## Product Compliance:

ASME A112.18.1 / CSA B125.1  
NSF 61 - Section 9  
NSF 372 (Low Lead Content)  
ANSI A117.1 (ADA)  
ASSE 1001 (VB)

**P-5**





**We Know Water.**

## UNIVERSAL BARRIER-FREE VERSACOOLER® II WITH CONTACTLESS VERSAFILLER® WITH VERSAFILTER™ III

• **PG8FEBFSL** • **PGFEBFSL**

### Suggested Specification

Model PG8FEBFSL shall deliver 8.0 gph of 50°F water at 90°F ambient and 80°F inlet water per ASHRAE 18 testing. Model PGFEBFSL is a non-refrigerated model and delivers ambient drinking water. Shall include the VersaFiller Sports Bottle Filler with contactless activation and laminar flow; fountains shall have four push pads to activate the manual flow of water for the cooler. Key VersaFiller components contain Freshield®, which utilizes a silver-based antimicrobial compound to protect the surfaces from discoloration, odors and degradation caused by the growth of micro-organisms and mildew. Basin shall be designed to eliminate splashing and standing water. Water saver bubbler to reduce waste water by 50% and shall have flexible guard and operate between 20 and 100 PSI. Shall use R-134a refrigerant. Shall comply with ANSI 117.1 and ADA. Shall be listed by Underwriters Laboratories to US and Canadian standards, and comply with NSF/ANSI 61 and NSF/ANSI 372.

	PG8FEBFSL	PGFEBFSL
<b>Features:</b>	<ul style="list-style-type: none"><li>• Built-in 100 micron strainer stops particles before they enter the waterway</li><li>• Waterways are lead-free in materials &amp; construction</li><li>• Flexible one-piece water saver bubbler infused with silver-based antimicrobial additive</li><li>• Stainless steel top and heavy duty galvanized steel frame</li><li>• Contactless activation on VersaFiller bottle filler</li><li>• VersaFilter III located in top bottle filler for easy filter replacement with Tilt 'N Tether</li><li>• External access to stream height adjustment on lower Versacooler fountain</li><li>• External access to thermostat with tool activated OFF position</li><li>• Includes integral self-scouring waste drain</li><li>• Built-in filter monitor and bottle counter</li><li>• Universal design: high right or high left</li></ul>	
<b>Filtration:</b>	VersaFilter III is Certified to NSF/ANSI 42 and 53 for lead, Particulate Class I, chlorine, taste and odor reduction to 4,750 gallons	
<b>Power:</b>	115 Volts, 60 Hz	
<b>Activation By:</b>	Contactless Sensor on Bottle Filler and Manual Activation on Fountains	
<b>Mounting Type:</b>	Wall Mounted	
<b>Chilling Option:</b>	8.0 gph*	Non-refrigerated
<b>Full Load Amps:</b>	5.0 amps	0.2 amps
<b>Rated Watts:</b>	500	11
<b>Approx. Net Weight</b>	83	52
<b>Installation Location:</b>	Indoor	



### Installation

- Prior to rough-in consult with local, state and federal codes for proper mounting height
- Shipped with complete instructions and wall mounting brackets
- Removable side and front panels provide easy access for installation.

### Finishes

- Standard: Greystone powder coat on galvanized steel
- Sandstone powder coat on galvanized steel; stainless steel (at additional cost)

### Options

- One piece chrome plated brass bubbler (036700-001)

### Limited 5-Year Warranty

(Continental limits of the United States and Canada)  
Five years on the sealed refrigeration system and most component parts. Detailed warranty certificate enclosed with each water cooler; sample available upon request.

### Export Warranty

One year on components parts. Detailed warranty certificate enclosed with each drinking fountain; sample copy available upon request.

### Certifications/Compliance

- Certified to UL 399 and CAN/CSA C22.2 No.120 (electric water coolers only)
- Product Certified to NSF/ANSI Standard 61-G & 372 and conforms with the lead content requirements for "Lead Free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act
- These water coolers comply with the requirements of ADA (Americans with Disabilities Act) when properly installed



**WARNING:**  
Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



\*Industry standard rating condition at 90°F ambient, 80°F inlet water and 50°F drinking water temperature

**PG(8)FEBESLIM**

PUSH PAD  
TOUCH FREE SENSOR UNDER NOSE

**PG(8)FEBESLIT**

TOUCH FREE SENSOR UNDER NOSE

CONNECT COOLER REMOTE OUTLET TO FOUNTAIN WATER INLET WITH SUPPLIED FITTING

VERSAFILTER III IN VERSAFILLER  
1/4 [6] HANGER MOUNTING HOLE, 2 PLCS.

1/2 [13] 2 PLCS.  
1/4 IPS WASTE OPTIMUM LOCATION STUB OUT 1[25]

\*33 3/8 [848]  
\*29 7/8 [744]  
\*21 1/2 [540]  
\*18 5/8 [459]  
\*17 [432]

3/4 [102]  
5/8 [146]  
7 [178] 2 PLCS.  
1 7/8 [448]

ELECTRICAL OUTLET OPTIMUM LOCATION

WATER SUPPLY OPTIMUM LOCATION STUB OUT 1[25]

35 1/2 [895]

DRAIN TUBE

SHORT LEG

18 5/8 [473]

WATER FOUNTAIN

WATER COOLER

1/2 [13]

7 1/8 [11]

16 1/2 [407]

7 3/8 [22]

12 3/4 [324] 2 PLCS.

1 5/8 [8] HANGER MOUNTING HOLES, 4 PLCS.

AIR FLOW

1 1/4 [359] 2 PLCS.

1/2 [38] 2 PLCS.

\*33 [838] ORIFICE

1 [25]

7/8 [198] 2 PLCS.

15 7/8 [392] 2 PLCS.

1/4 [6] MOUNTING HOLES 8 PLCS.

FINISHED FLOOR

FINISHED WALL

T15 DRIVE SIZE TORX HEAD SCREWS

\*37 3/8 [944] 6 [152]

5 1/8 [144]

4 3/8 [114]

18 5/8 [480]

\*51 1/8 [1297]

\*38 3/8 [970]

8 1/2 [209]

1 1/2 O.D. TAILPIECE

3/8 O.D. WATER INLET WITH STRAINER

\*27 [666]

\*21 1/2 [540]

\*13 3/4 [337]

5 3/8 [158]

7 3/8 [187]

**NOTES:**

- TRAP, STOP VALVE AND ELECTRICAL OUTLET NOT FURNISHED.
- ALLOW 4 INCHES [102 MM] MIN. PER SIDE FOR VENTILATION, PER SIDE FOR VENTILATION.
- RECOMMENDED ADULT BARRIER FREE HEIGHT INSTALLATION SHOWN. REDUCE HEIGHT BY 3 INCHES FOR INSTALLATIONS USED PRIMARILY BY CHILDREN AGES 12 AND YOUNGER. UNIT SHALL ALSO HAVE A MINIMUM CLEAR FLOOR SPACE 30[760] BY 48[1220]. ADJUST VERTICAL DIMENSIONS AS REQUIRED TO COMPLY WITH FEDERAL, STATE, AND LOCAL CODES.

**PGV(8)FEBESL**

PUSH BUTTON

THIRD ANGLE PROJECTION

ROUGHING-IN AND DIMENSIONAL DRAWING

4. 115v GROUNDING NORTH AMERICAN DUPLEX RECEPTACLE REQUIRED. THIS DRINKING WATER COOLER IS INTENDED TO BE CONNECTED TO A 20A MINIMUM GROUND FAULT CIRCUIT INTERRUPTING (GFCI) DEVICE TO MEET UL REQUIREMENTS.

5. ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS.



# McGuire Manufacturing Co., Inc.

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

## PRODUCT SPECIFICATION

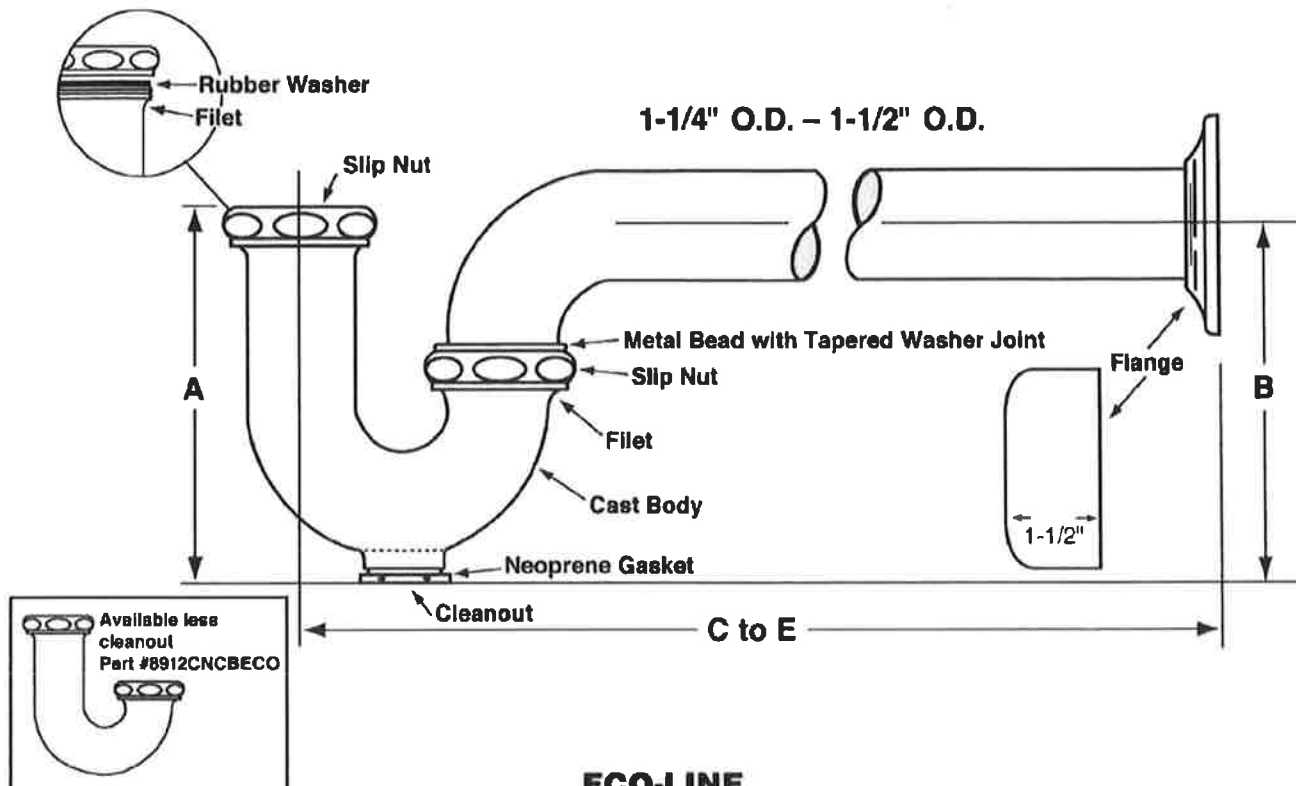
Part No.

**C8872CECO**

**Cast Body P-Trap With  
or Without Cleanout**

Job Name:

Submittal Number:



### ECO-LINE

#### ROUGHING MEASUREMENTS

MODEL NO.	TRAP DIMENSIONS		A	B	C to E	FLANGE	SLIP NUT
	INLET	OUTLET					
<b>C8872CECO</b>	1-1/4"	1-1/4"	4-1/2"	4-1/2"	10"	Shallow	Zinc

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



ASME A112.18.2/CSA B125.2

### Specifications:

Chrome plated P-Trap shall be cast brass body, with or without cleanout, with 17 gauge seamless tubular wall bend and flange.



#### WARNING:

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, and birth defects or other reproductive harm. For more information go to [www.P85Warnings.ca.gov](http://www.P85Warnings.ca.gov).





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

## PRODUCT SPECIFICATION

### Part No.

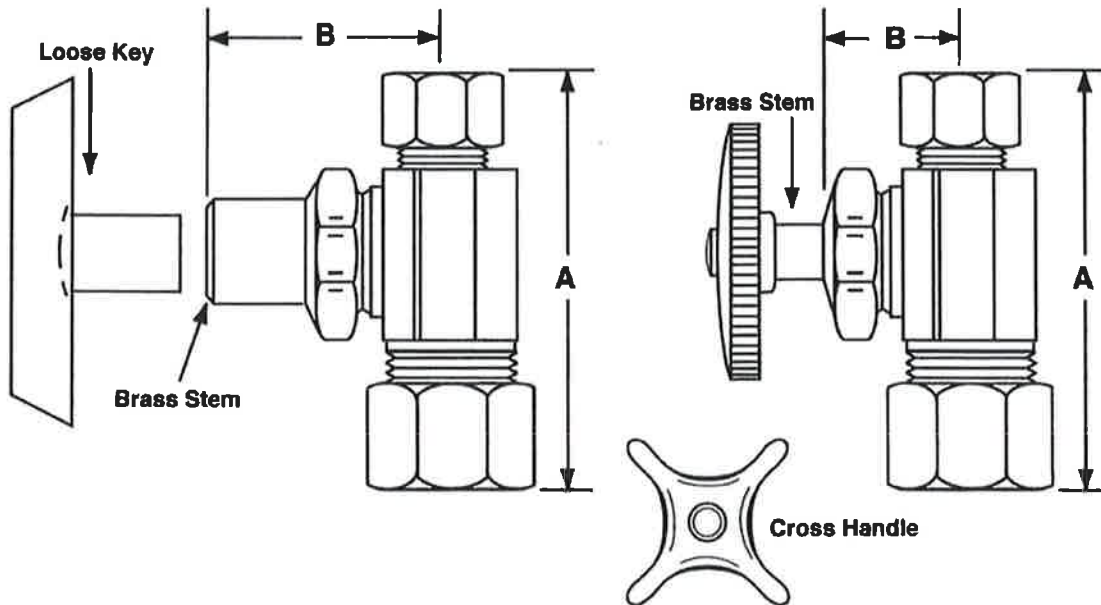
LFST17, **LFST17LK**, LFST17X,  
LFST18, LFST18LK, LFST18X

**Straight Supply Stop**  
**Nominal x O.D.**

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

Submittal Number: \_\_\_\_\_

## Compression to Compression



NO.	DESCRIPTION	ROUGHING MEASUREMENTS	
		A	B
LFST17	1/2" Nominal x 3/8" O.D.	2-1/4"	7/8"
<b>LFST17LK</b>	1/2" Nominal x 3/8" O.D.	2-1/4"	1-5/8"
LFST17X	1/2" Nominal x 3/8" O.D.	2-1/4"	7/8"
LFST18	1/2" Nominal x 1/2" O.D.	2-1/4"	7/8"
LFST18LK	1/2" Nominal x 1/2" O.D.	2-1/4"	1-3/4"
LFST18X	1/2" Nominal x 1/2" O.D.	2-1/4"	7/8"

**LK** designates *Loose Key*

**X** designates *Heavy Brass Cross Handle*

See options and accessories section for details on product variations.

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



## Specifications:

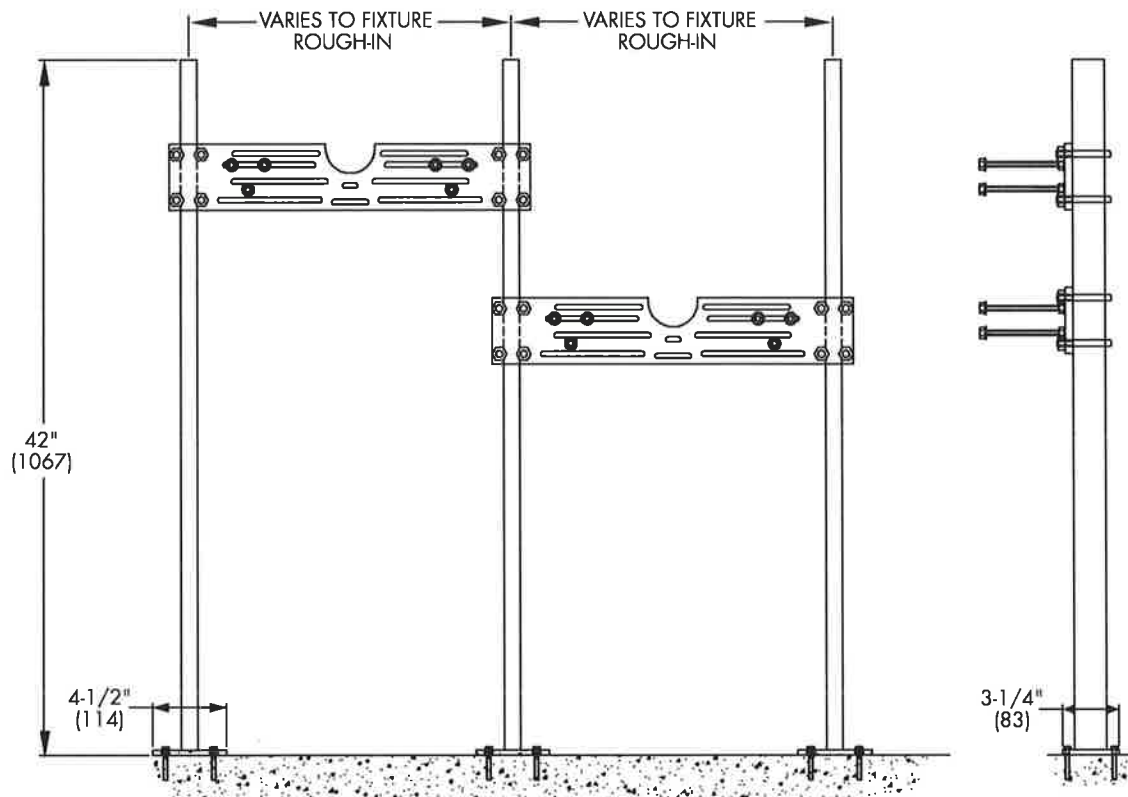
Chrome plated brass, supply stop valve with full turn brass stem. Inlet shall be (3/8, 1/2) inch (IPS, sweat, compression). Outlet shall be (3/8, 1/2) inch (IPS, compression). Supply stop valve shall be McGuire \_\_\_\_\_. Supply stop valve shall be certified by recognized testing authority and bear manufacturer and testing mark.

**CA-431-1**

Tag: P-5

**Floor Mounted Plate Type  
Lavatory/Water Cooler Carrier**

**SPECIFICATION:** Watts Drainage CA-431-1 floor mounted bi-level water cooler carrier with heavy gauge steel uprights with integral welded feet, universal steel hanger support plate, and plated hardware.



Note: Anchor legs to concrete floor with minimum 1/2" (13) anchor bolts (by others).

Job Name **Stone Bank**Contractor **Comfort Systems USA**Job Location **LR**

Contractor's P.O. No. \_\_\_\_\_

Engineer **Batson**Representative **Sanders Supply**

WATTS Drainage reserves the right to modify or change product design or construction without prior notice and without incurring any obligation to make similar changes and modifications to products previously or subsequently sold. See your WATTS Drainage representative for any clarification. Dimensions are subject to manufacturing tolerances.

**Specification Drainage Products**USA: 100 Watts Road, Spindale, NC, 28160-2298; TEL: 828-288-2179 TOLL-FREE: 1-800-338-2581 [www.watts.com](http://www.watts.com)

**P-6A**

### PRODUCT SPECIFICATIONS

Elkay Lustertone<sup>®</sup> Classic Stainless Steel 22" x 22" x 7-5/8" Single Bowl Drop-in Sink. Sink is manufactured from 18 gauge 304 Stainless Steel with a Lustrous Satin finish, Center drain placement, and Bottom only pads.

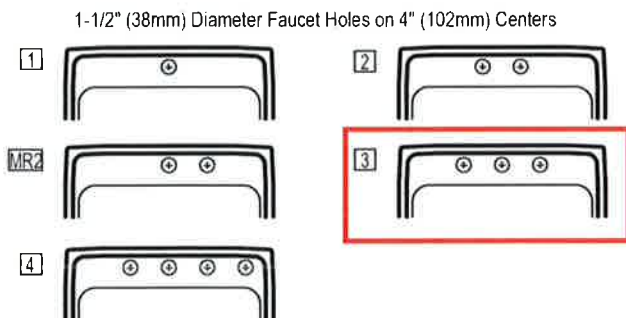
Installation Type:	Drop-in
Material:	304 Stainless Steel
Finish:	Lustrous Satin
Gauge:	18
Sound Deadening:	Bottom only pads
Number of Bowls:	1
Sink Dimensions:	22" x 22" x 7-5/8"
Bowl 1 Dimensions:	19" x 16" x 7-1/2"
Drain Size:	3-1/2" (89mm)
Drain Location:	Center
Minimum Cabinet Size:	27"
Mounting Hardware:	Part # 64090012 included for countertops up to 3/4" (19mm) thick
Template Included:	No
Cutout Template #:	1000001248

Template is available for download at [elkay.com](http://elkay.com). CAD software will be required to open the template.

#### Cutout Dimensions for Drop-in Installation:

21-3/8" x 21-3/8" (543mm x 543mm) with 1-1/2" (38mm) corner radius

#### Hole Drilling Configurations:



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

**KBB READERS' CHOICE AWARDS 2023**



**Product Compliance:** ASME A112.19.3/CSA B45.4



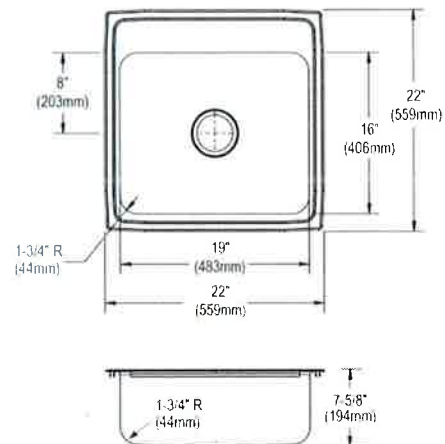
Sinks are listed by IAPMO<sup>®</sup> as meeting the applicable requirements of the Uniform Plumbing Code<sup>®</sup>, International Plumbing Code<sup>®</sup>, and National Plumbing Code of Canada.

[Clean and Care Manual \(PDF\)](#)

[Installation Instructions \(PDF\) - 1000005236](#)

[Warranty \(PDF\)](#)

**Similar models are available with:** 4" 4-1/2" 5" 6" and 6-1/2" depths, Quick-Clip Mounting System



PART: \_\_\_\_\_ QTY: \_\_\_\_\_

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

CONTACT: \_\_\_\_\_

DATE: \_\_\_\_\_

NOTES: \_\_\_\_\_

APPROVAL: \_\_\_\_\_

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit [elkay.com](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.

## PRODUCT SPECIFICATIONS

Elkay 8" Centerset with Exposed Deck Laminar Flow Faucet with 8" Gooseneck Spout 4" Wristblade Handles Chrome. Faucet has a flow rate of 1.5 GPM, and is made of Chrome-plated Brass material, with a Quarter Turn Ceramic Disc valve. Faucet requires 3 faucet holes.

<b>Mounting Type:</b>	Deck Mount
<b>Special Features:</b>	Low Flow Solid Brass Construction Spout Swing Restriction Pin
<b>Finish:</b>	Chrome (CR)
<b>Handle Type:</b>	4" Wristblade Handle
<b>Deck Clearance:</b>	8-1/2"
<b>Spout Reach:</b>	8"
<b>Spout Height:</b>	14-1/8"
<b>Hole Drillings:</b>	3
<b>Material:</b>	Chrome-plated Brass
<b>Valve Type:</b>	Quarter Turn Ceramic Disc
<b>Valve Connection:</b>	1/2" NPSM Male
<b>Flow Rate:</b>	1.5 GPM
<b>Faucet Hole Size (min):</b>	1-3/8"
<b>Faucet Hole Spread:</b>	8
<b>Spout Type:</b>	Gooseneck



Chrome  
(CR)



### A Century of Tradition and Quality.

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

**Product Compliance:** ADA & ICC A117.1  
ASME A112.18.1/CSA B125.1  
CEC  
NSF 372 (lead free)  
NSF 61 (Q≤1)

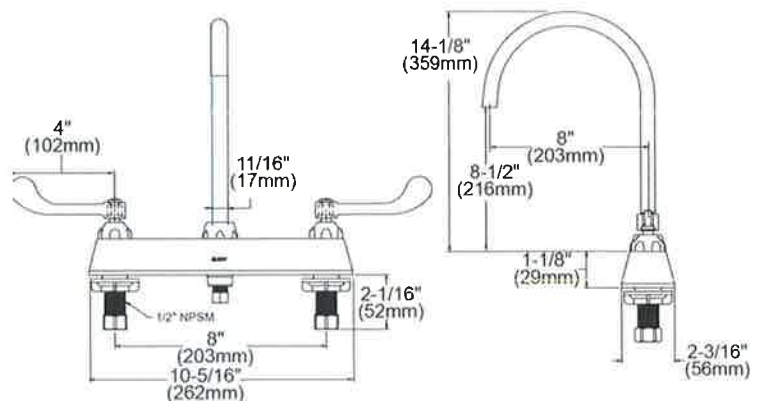


Complies with ADA & ICC A117.1 accessibility requirements when installed according to the requirements outlined in these standards.

[Clean and Care Manual \(PDF\)](#)

[Installation Instructions \(PDF\) - A55483](#)

[Warranty \(PDF\)](#)



PART: \_\_\_\_\_ QTY: \_\_\_\_\_

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

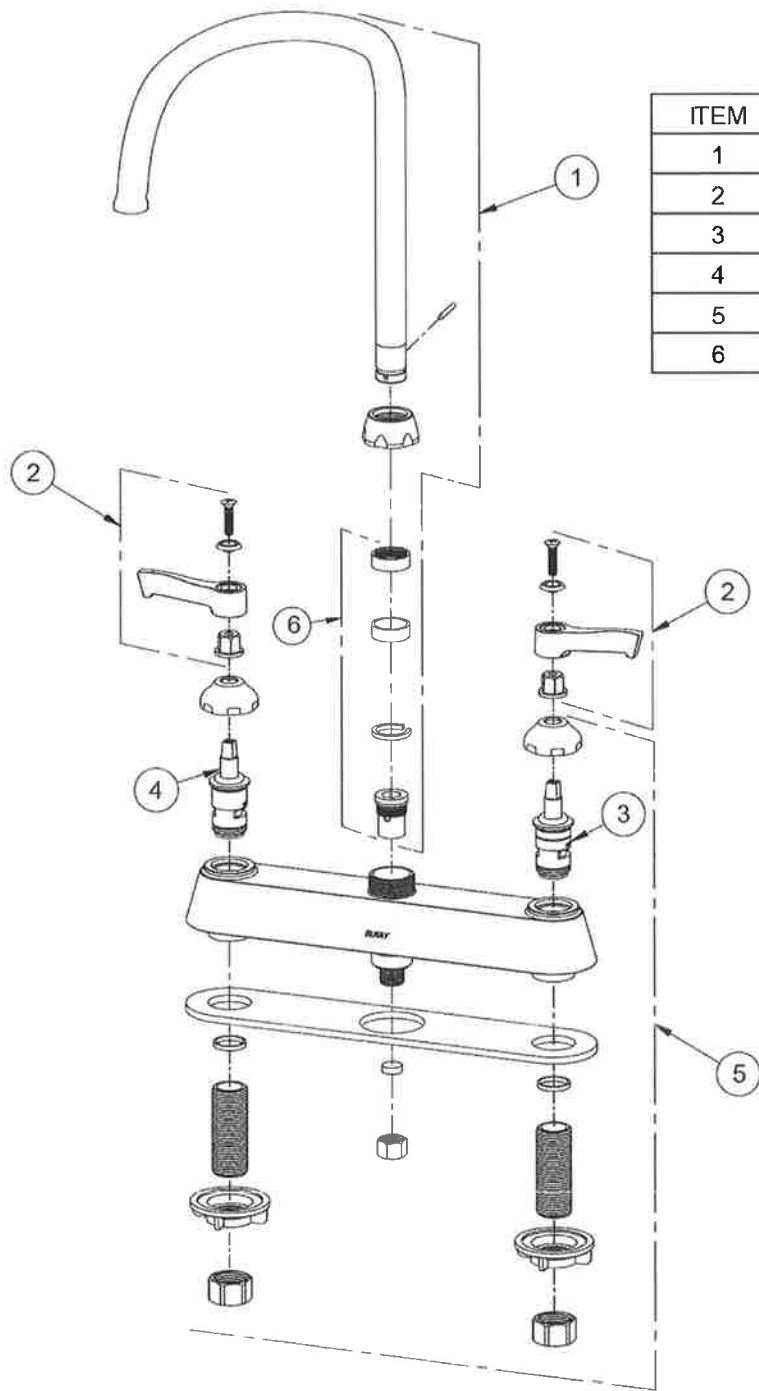
CONTACT: \_\_\_\_\_

DATE: \_\_\_\_\_

NOTES: \_\_\_\_\_

APPROVAL: \_\_\_\_\_

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ITEM	IND. PART	DESCRIPTION
1	1000002620	Spout
2	45919C	Handle, 4"
3	45923C	Right Cold Cartridge
4	45924C	Left Hot Cartridge
5	45914C	Body
6	98554C	Backflow Kit.

*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.*





## McGuire Manufacturing Co., Inc.

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

### PRODUCT SPECIFICATION

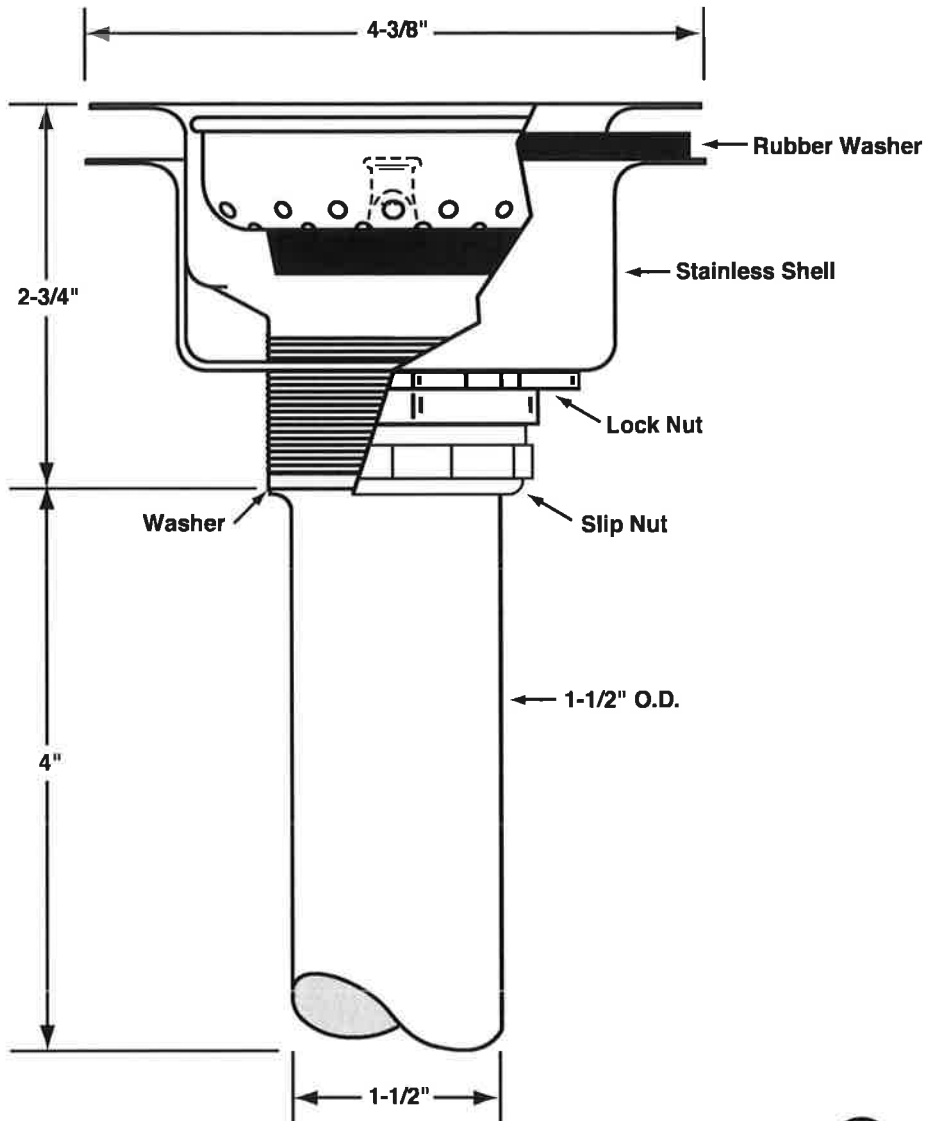
Part No.

**151A**

**Stainless Steel  
Basket Strainer**

Job Name:

Submittal Number:



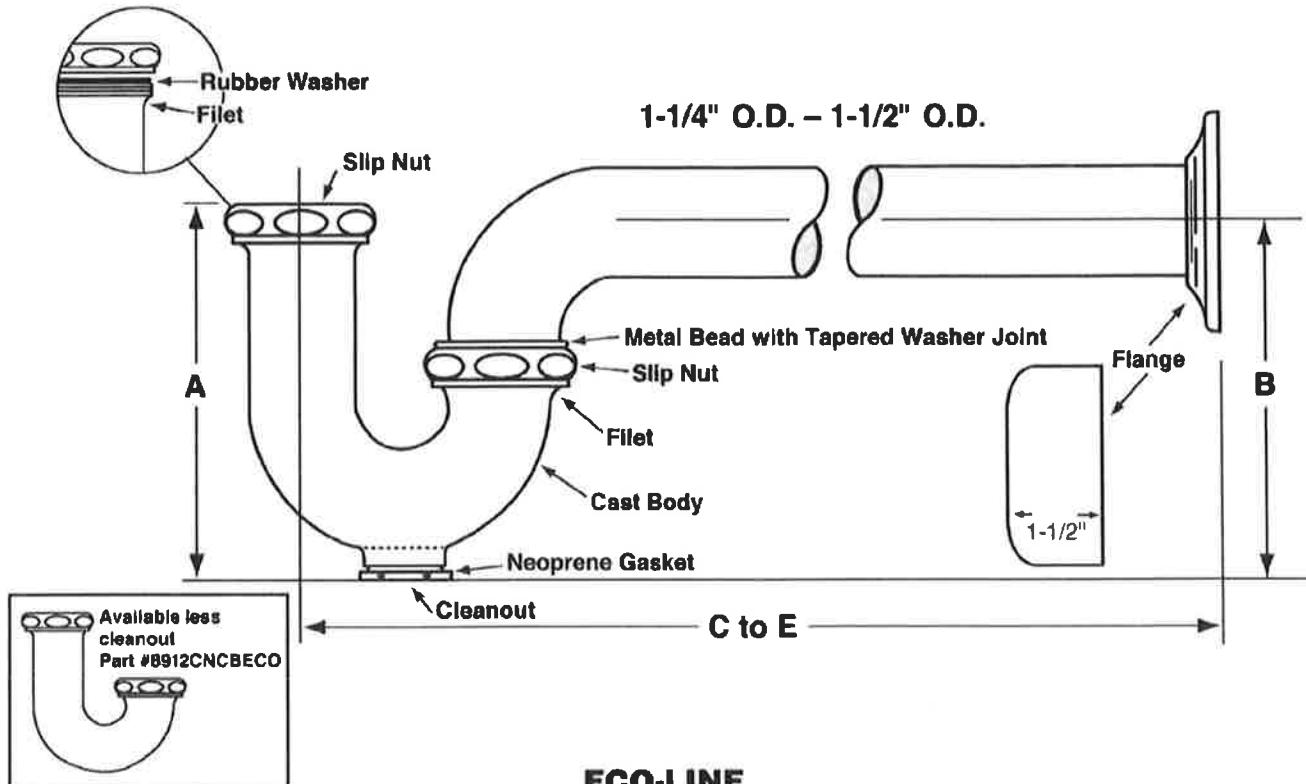
See options and accessories section for details on product variations.

### Specifications:

Heavy Duty Forged Stainless Steel Basket Strainer with 1-1/2" x 4" seamless brass tailpiece, die cast slip and lock nuts. Basket Strainer shall be in compliance with CSA or other recognized testing authority and bear both manufacturer and testing mark.

**McGuire Manufacturing Co., Inc.**

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

**PRODUCT SPECIFICATION****Part No.****C8912CECO****Cast Body P-Trap With  
or Without Cleanout****Job Name:****Submittal Number:****ECO-LINE****ROUGHING MEASUREMENTS**

MODEL NO.	TRAP DIMENSIONS		A	B	C to E	FLANGE	SLIP NUT
	INLET	OUTLET					
<b>C8912CECO</b>	1-1/2", 1-1/4"	1-1/2"	5"	5"	10-1/2"	Shallow	Zinc

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



ASME A112.18.2/CSA B125.2

**Specifications:**

Chrome plated P-Trap shall be cast brass body, with or without cleanout, with 17 gauge seamless tubular wall bend and flange.

**! WARNING:**

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



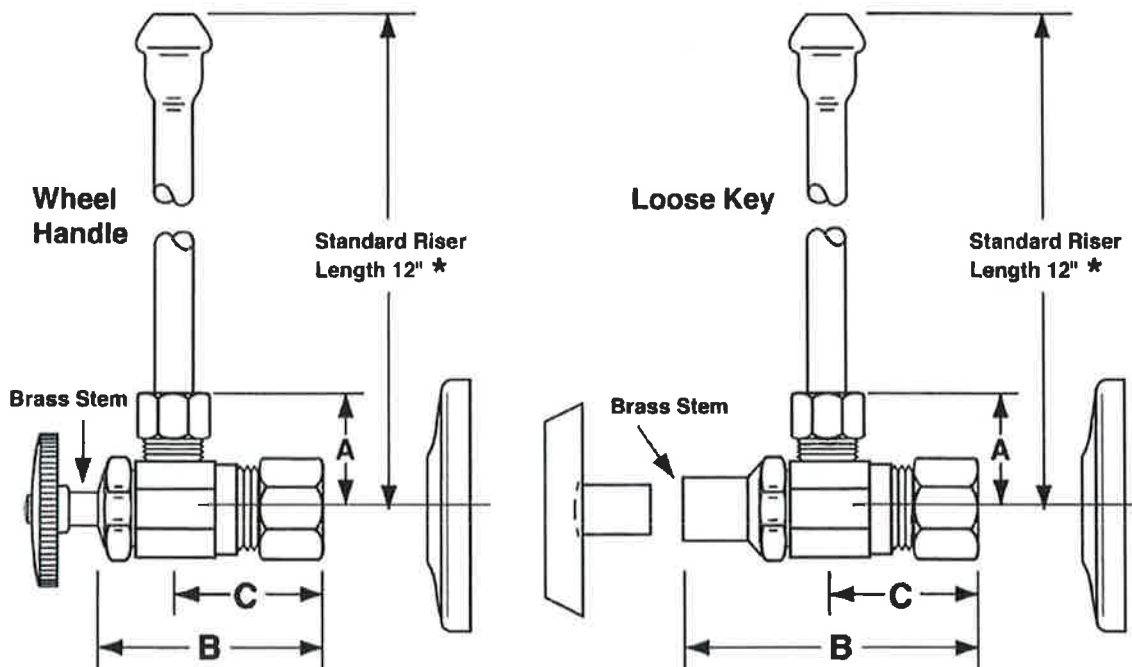
**McGuire Manufacturing Co., Inc.**

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

**PRODUCT SPECIFICATION****Part No.**

LF2165CC, **LF2165CCLK**,  
LF2167CC, LF2167CCLK

Compression x Compression  
Lavatory Supply

**Job Name:** \_\_\_\_\_**Submittal Number:** \_\_\_\_\_

NO.	DESCRIPTION	ROUGHING MEASUREMENTS		
		A	B	C
LF2165CC	1/2" Nominal x 3/8" O.D.	1"	1-3/4"	1"
<b>LF2165CCLK</b>	1/2" Nominal x 3/8" O.D.	1"	2-3/8"	1"
LF2167CC	1/2" Nominal x 1/2" O.D.	1"	1-3/4"	1-1/4"
LF2167CCLK	1/2" Nominal x 1/2" O.D.	1"	2-3/8"	1-1/4"

**LK** designates Loose Key

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

**Specifications:**

Supply kit shall include low lead chrome plated supply brass stop valves with full turn brass stem, no plastic, (12, 15, 20) inch chrome plated risers and (shallow, deep, bell) (steel, brass) or (forged brass with set screw) flange. Inlet shall be (3/8, 1/2) inch IPS. Outlet shall be (3/8, 1/2) inch (IPS, compression). Supply kit shall be McGuire \_\_\_\_\_. Supply kit shall be low lead certified by recognized authority and bear manufacturer and testing mark.

**P-6B**

### PRODUCT SPECIFICATIONS

Elkay Lustertone® Classic Stainless Steel 33" x 21-1/4" x 6-1/2" Equal Double Bowl Drop-in ADA Sink. Sink is manufactured from 18 gauge 304 Stainless Steel with a Lustrous Satin finish, Rear Center drain placement, and Bottom only pads.

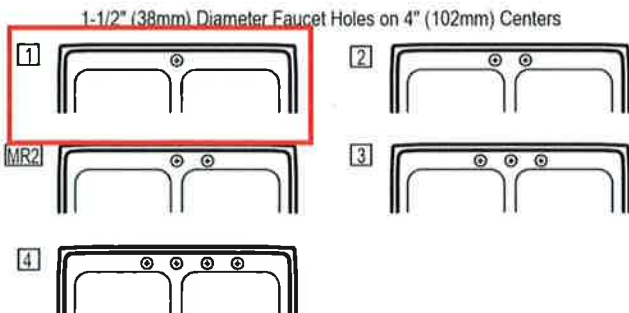
Installation Type:	Drop-in
Material:	304 Stainless Steel
Finish:	Lustrous Satin
Gauge:	18
Sound Deadening:	Bottom only pads
Number of Bowls:	2
Sink Dimensions:	33" x 21-1/4" x 6-1/2"
Bowl 1 Dimensions:	13-1/2" x 16" x 6-3/8"
Bowl 2 Dimensions:	13-1/2" x 16" x 6-3/8"
Drain Size:	3-1/2" (89mm)
Drain Location:	Rear Center
Minimum Cabinet Size:	36"
Mounting Hardware:	Part # 64090014 included for countertops up to 3/4" (19mm) thick
Template Included:	No
Cutout Template #:	1000001288

Template is available for download at [elkay.com](http://elkay.com). CAD software will be required to open the template.

#### Cutout Dimensions for Drop-in Installation:

32-3/8" x 20-5/8" (822mm x 524mm) with 1-1/2" (38mm) corner radius

#### Hole Drilling Configurations:



PART: \_\_\_\_\_ QTY: \_\_\_\_\_

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

CONTACT: \_\_\_\_\_

DATE: \_\_\_\_\_

NOTES: \_\_\_\_\_

APPROVAL: \_\_\_\_\_



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



**Product Compliance:** ADA & ICC A117.1  
ASME A112.19.3/CSA B45.4



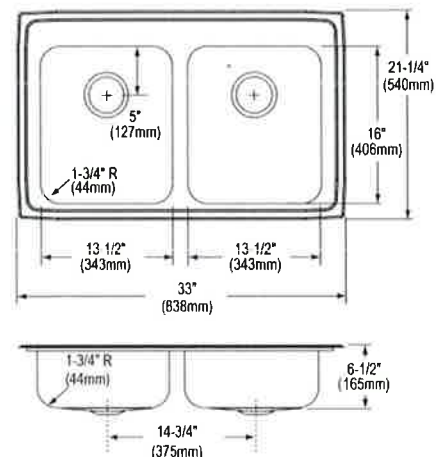
Sinks are listed by IAPMO® as meeting the applicable requirements of the Uniform Plumbing Code®, International Plumbing Code®, and National Plumbing Code of Canada.



Complies with ADA & ICC A117.1 accessibility requirements when installed according to the requirements outlined in these standards.

[Clean and Care Manual \(PDF\)](#)  
[Installation Instructions \(PDF\) - 1000005236](#)  
[Warranty \(PDF\)](#)

**Similar models are available with:** Quick-Clip Mounting System, additional ADA depths

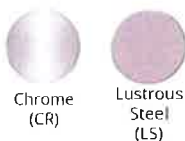


In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit [elkay.com](http://elkay.com) for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design,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

### PRODUCT SPECIFICATIONS

Elkay Gourmet Single Hole Kitchen Faucet with Pull-down Spray and Forward Only Lever Handle. Faucet has a flow rate of 1.8 GPM, and is made of Brass material, with a Ceramic Disc valve. Faucet requires 1 faucet holes.

<b>Mounting Type:</b>	Deck Mount
<b>Special Features:</b>	Solid Brass Construction
<b>Spray Type:</b>	Pull Down
<b>Finish:</b>	Chrome (CR), Lustrous Steel (LS)
<b>Handle Type:</b>	Forward Only Lever Handle
<b>Deck Clearance:</b>	8-3/4"
<b>Spout Reach:</b>	8-9/16"
<b>Spout Height:</b>	15-9/16"
<b>Hole Drillings:</b>	1
<b>Material:</b>	Brass
<b>Valve Type:</b>	Ceramic Disc
<b>Valve Connection:</b>	3/8" Female Compression Hose Assembly
<b>Flow Rate:</b>	1.8 GPM
<b>Faucet Hole Size (min):</b>	1-1/2"
<b>Countertop Thickness:</b>	3
<b>Spout Swing Rotation:</b>	360°
<b>Spout Type:</b>	Pull-down Spray
<b>Spray Functions:</b>	Aerated, Nylon Hand Spray Hose, Spray

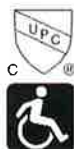


**Included with Product:** Optional Deck Plate/Escutcheon included

A Century of Tradition and Quality.

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

**Product Compliance:** ADA & ICC A117.1  
ASME A112.18.1/CSA B125.1  
CEC  
NSF 372 (lead free)  
NSF 61 (Q≤1)

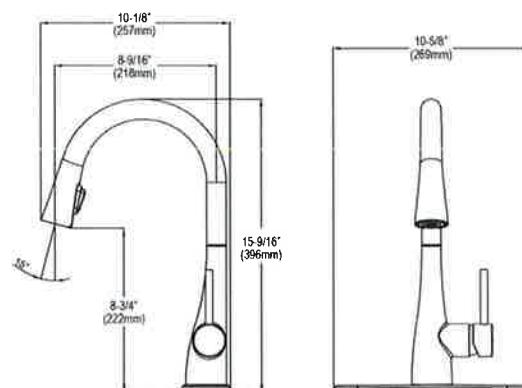


Complies with ADA & ICC A117.1 accessibility requirements when installed according to the requirements outlined in these standards.

[Clean and Care Manual \(PDF\)](#)

[Installation Instructions \(PDF\) - LKGT4083 - Install Sheet](#)

[Warranty \(PDF\)](#)



PART: \_\_\_\_\_ QTY: \_\_\_\_\_

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



CONTACT: \_\_\_\_\_

DATE: \_\_\_\_\_

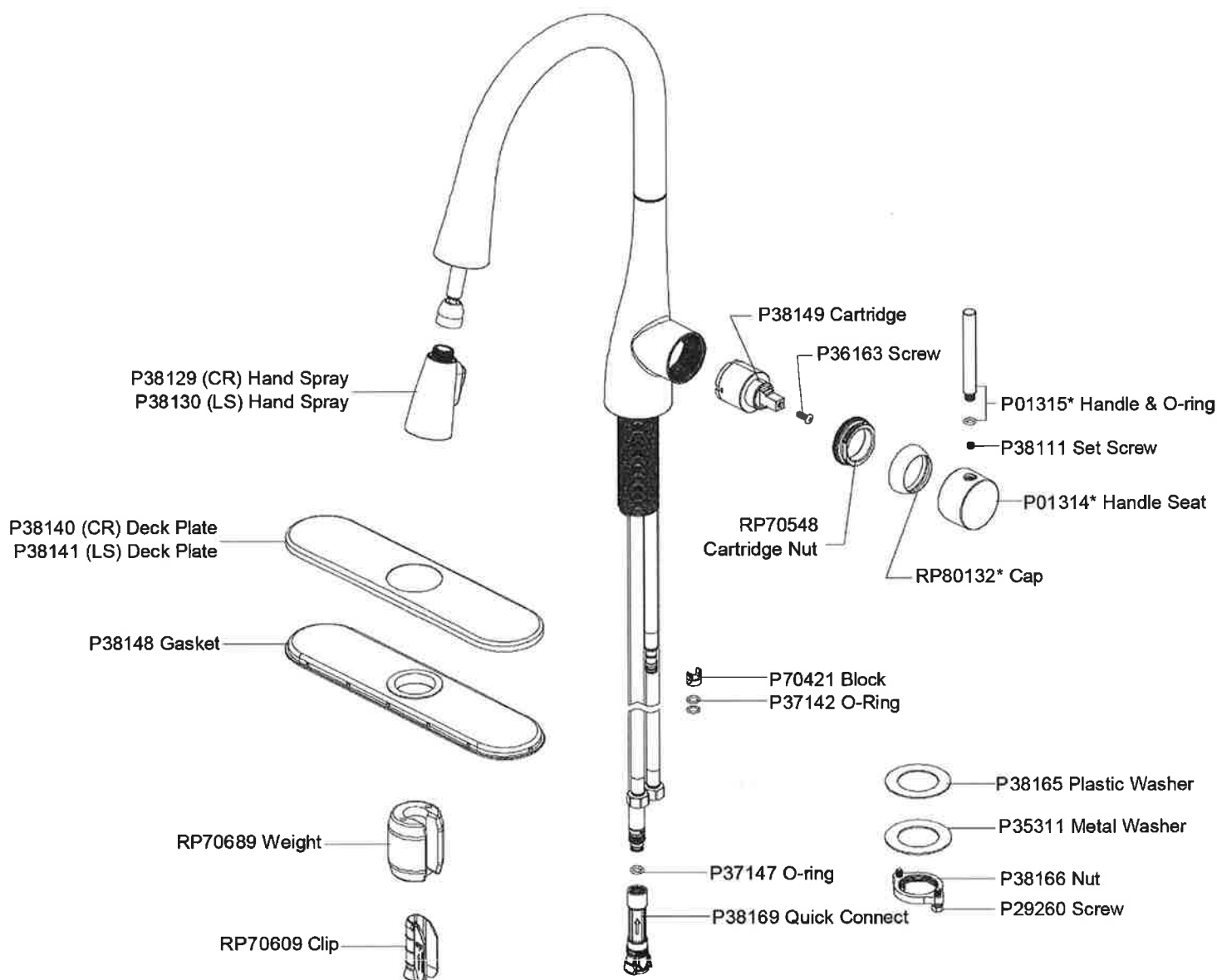
NOTES: \_\_\_\_\_

APPROVAL: \_\_\_\_\_

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit [elkay.com](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.

Optional Accessories		
<a href="#">LK134</a>	Elkay 3-Hole Deck Plate/Escutcheon <a href="#">Spec Sheet (PDF)</a>	
<a href="#">LK321</a>	Elkay 1-15/16" x 2-5/8" x 2-5/8" Soap / Lotion Dispenser <a href="#">Spec Sheet (PDF)</a>	

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



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.



**McGuire Manufacturing Co., Inc.**  
60 Grandview Court  
P.O. Box 746 ♣Cheshire, CT 06410  
203-699-1801 ♣ Fax: 203-699-1813  
www.mcguiremfg.com

## PRODUCT SPECIFICATION

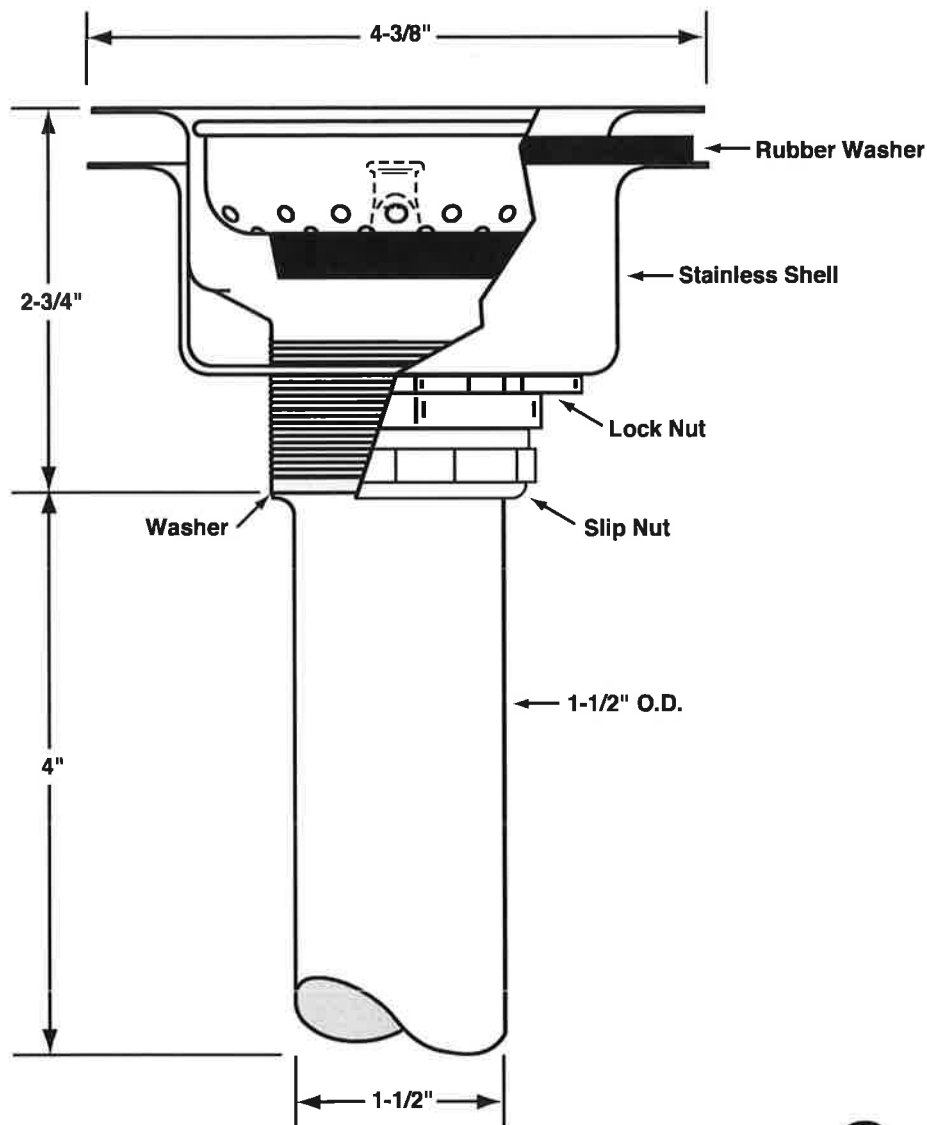
**Part No.**

**151A**

**Stainless Steel  
Basket Strainer**

**Job Name:**

**Submittal Number:**



See options and accessories section for details on product variations.

### Specifications:

Heavy Duty Forged Stainless Steel Basket Strainer with 1-1/2" x 4" seamless brass tailpiece, die cast slip and lock nuts. Basket Strainer shall be in compliance with CSA or other recognized testing authority and bear both manufacturer and testing mark.





# McGuire Manufacturing Co., Inc.

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

## PRODUCT SPECIFICATION

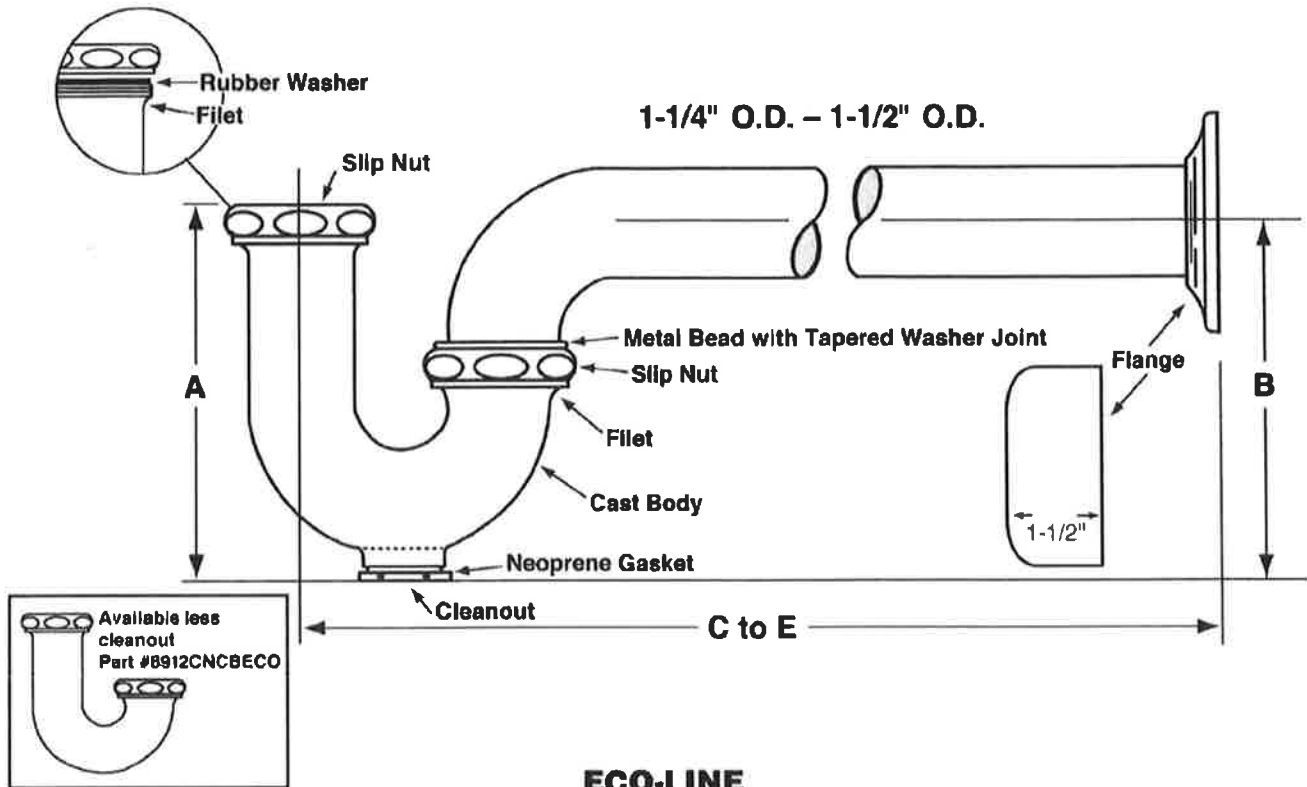
Part No.

**C8912CECO**

**Cast Body P-Trap With  
or Without Cleanout**

Job Name:

Submittal Number:



### ECO-LINE

#### ROUGHING MEASUREMENTS

MODEL NO.	TRAP DIMENSIONS		A	B	C to E	FLANGE	SLIP NUT
	INLET	OUTLET					
<b>C8912CECO</b>	1-1/2", 1-1/4"	1-1/2"	5"	5"	10-1/2"	Shallow	Zinc

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



ASME A112.18.2/CSA B125.2

### Specifications:

Chrome plated P-Trap shall be cast brass body, with or without cleanout, with 17 gauge seamless tubular wall bend and flange.



#### WARNING:

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



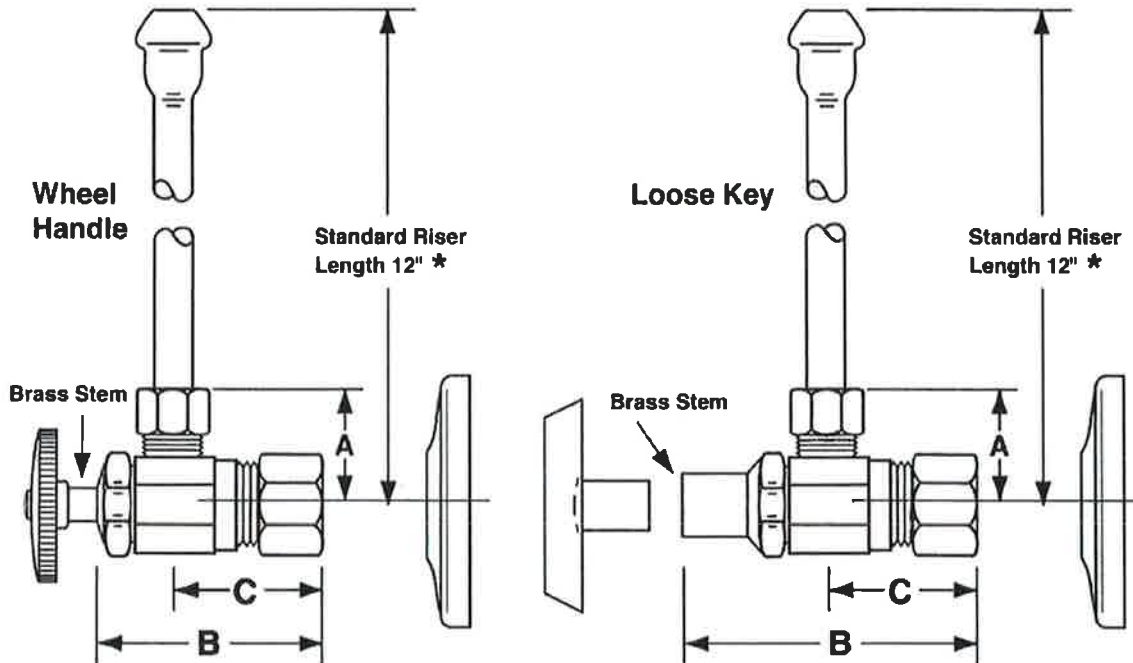
**McGuire Manufacturing Co., Inc.**

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

**PRODUCT SPECIFICATION****Part No.**

LF2165CC, **LF2165CCLK**,  
LF2167CC, LF2167CCLK

Compression x Compression  
Lavatory Supply

**Job Name:****Submittal Number:**

NO.	DESCRIPTION	ROUGHING MEASUREMENTS		
		A	B	C
LF2165CC	1/2" Nominal x 3/8" O.D.	1"	1-3/4"	1"
<b>LF2165CCLK</b>	1/2" Nominal x 3/8" O.D.	1"	2-3/8"	1"
LF2167CC	1/2" Nominal x 1/2" O.D.	1"	1-3/4"	1-1/4"
LF2167CCLK	1/2" Nominal x 1/2" O.D.	1"	2-3/8"	1-1/4"

**LK** designates Loose Key

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

**Specifications:**

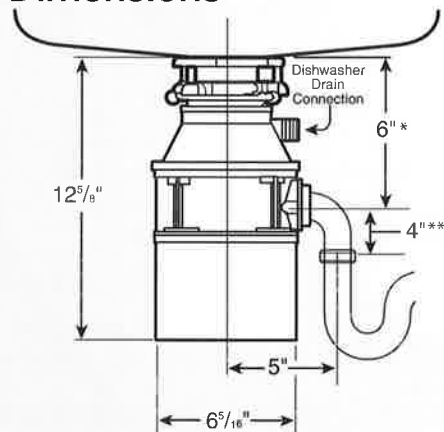
Supply kit shall include low lead chrome plated supply brass stop valves with full turn brass stem, no plastic, (12, 15, 20) inch chrome plated risers and (shallow, deep, bell) (steel, brass) or (forged brass with set screw) flange. Inlet shall be (3/8, 1/2) inch IPS. Outlet shall be (3/8, 1/2) inch (IPS, compression). Supply kit shall be McGuire \_\_\_\_\_. Supply kit shall be low lead certified by recognized authority and bear manufacturer and testing mark.

**P-7**

# Food Waste Disposers



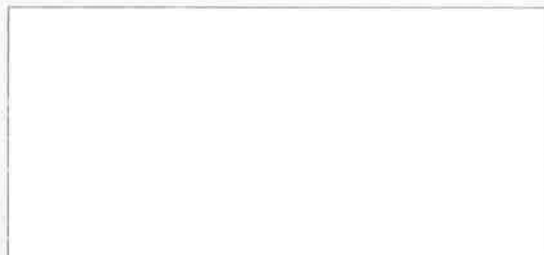
## Dimensions



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

\*\* Length of tailpipe from center line of disposer outlet to end of tailpipe.  
NOTE: Plumb waste line to prevent standing water in disposer motor housing.

## Job Specifications



## Submittal Sheet

This popular model offers the following features and benefits:

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

## Sample Specification

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

**Warranty:**  
2-Year parts and in-home service.

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

## Specifications

Type of Feed	Continuous
On/Off Control	Wall Switch
Motor	Single Phase
HP	1/2
Volts	120
HZ	60
RPM	1725
Amp. (Avg. Load)	6.9
Time Rating	Intermittent
Lubrication	Permanently Lubricated Upper & Lower Bearings
Shipping Weight (Approx.)	14 lbs. 11 oz.
Unit Finish	Waterborne Grey Enamel
Overall Height	12- 5/8"
Grind Chamber Capacity	26 oz.
Motor Protection	Manual Reset Overload
Average Water Usage	1/4 Gallon per Person Per Day
Average Electrical Usage	1/2 KWH per Month
Drain Connection	1-1/2" Cushioned Slip Joint
Dishwasher Drain Connection	Yes



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

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

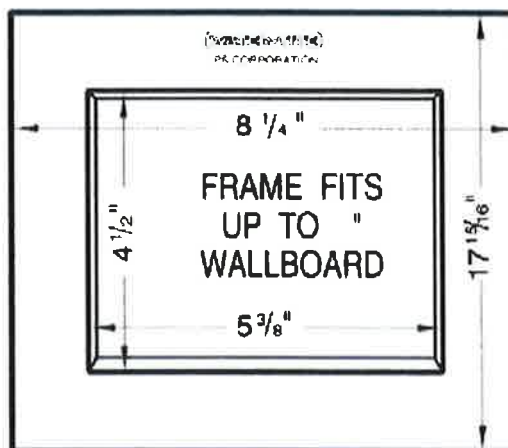
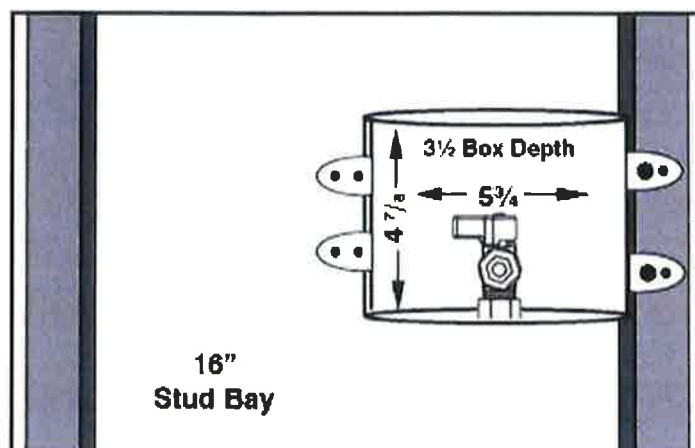
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**P-8**

## SPECIFICATION SUBMITTAL SHEET



### PLASTIC ICE MAKER OUTLET BOXES with Lead Free Quarter Turn Valve



#### **Specifications:**

Furnish and install ice maker outlet box with lead free quarter turn valve. Unit shall be Water-Tite product code as manufactured by IPS Corporation.

Item #	Product Description	Model #	Quantity
87967	Brass Qtr Turn Lead Free Valve* Installed - 1/2" Sweat Conx.	AB9700	10
87971	Brass Qtr Turn Lead Free Valve* Installed - 1/2" CPVC Conx.	AB9701	10
87969	Brass Qtr Turn Lead Free Valve* Installed - 1/2" PEX Conx.	AB9702	10
87954	Brass Qtr Turn Lead Free Valve* Installed - 3/8" PEX Conx.	AB9738	10
87973	Brass Qtr Turn Lead Free Valve* Installed - 1/2" Wirsbo® Conx.	AB9711	10
88017	Domestic Adapter Lead Free Valve Installed - 1/2" Sweat Conx.	AB9000 A	10
88008	Ice Maker Box Only - No Valves	9000 LV	10
<b>Contractor Pack</b>			
87968	Brass Qtr Turn Lead Free Valve* Installed - 1/2" Sweat Conx.	AB9700 CP	20
87972	Brass Qtr Turn Lead Free Valve* Installed - 1/2" CPVC Conx.	AB9701 CP	20
87970	Brass Qtr Turn Lead Free Valve* Installed - 1/2" PEX Conx.	AB9702 CP	20
87955	Brass Qtr Turn Lead Free Valve* Installed - 3/8" PEX Conx.	AB9738 CP	20
87974	Brass Qtr Turn Valve* Installed - 1/2" Wirsbo® Conx.	AB9711 CP	20
87953	Brass Qtr Turn Valve Installed - 1/2" Viega PF C3onx - Contractor Pack	AB9722 CP	20
<b>Display Pack</b>			
82100	Ice Maker Box Only - No Valves	R9000LVB	10
88182	Brass Qtr Turn Lead Free Valve* Installed - 1/2" Sweat Conx.	RAB9000B	10



500 Distribution Parkway, Collierville, TN 38017, USA

TEL: 800-888-8312

Fax: 901-853-5008

www.ipscorp.com

AB9700

**FD**

## Engineering Specification

Job Name Stone Bank  
 Job Location LR  
 Engineer Batson  
 Approval \_\_\_\_\_  
 Tag FD

Contractor Comfort Systems USA  
 Approval \_\_\_\_\_  
 Contractor's P.O. No. \_\_\_\_\_  
 Representative Sanders Supply

### FD-100-A

### Floor Drain with Round Strainer

#### Specification

Watts FD-100-A epoxy coated cast iron floor drain with anchor flange, reversible clamping collar with primary and secondary weepholes, adjustable round heel proof nickel bronze strainer, and no hub (standard) outlet.



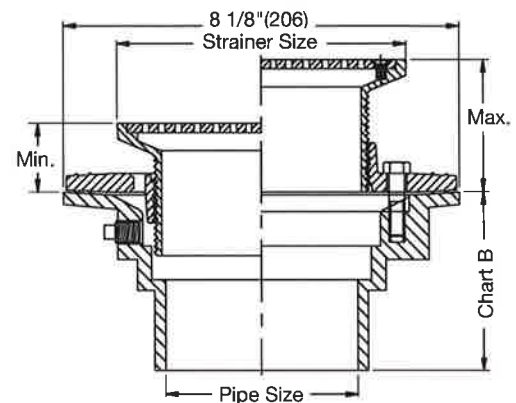
Pipe Sizing		
Suffix	Description	
2	2"(51) Pipe Size	<input type="checkbox"/>
3	3"(76) Pipe Size	<input type="checkbox"/>
4	4"(102) Pipe Size	<input type="checkbox"/>
6	6"(152) Pipe Size (NH Only)	<input type="checkbox"/>

Outlet Type		
Suffix	Description	
NH	No Hub (M.I.)	<input type="checkbox"/>
P	Push On	<input checked="" type="checkbox"/>
T	Threaded Outlet	<input type="checkbox"/>
X	Inside Caulk	<input type="checkbox"/>

Strainer		
Suffix	Description	
A5	5"(127) Dia., Nickel Bronze	<input checked="" type="checkbox"/>
A6	6"(152) Dia., Nickel Bronze	<input type="checkbox"/>
A7	7"(178) Dia., Nickel Bronze	<input type="checkbox"/>
A8	8"(203) Dia., Nickel Bronze	<input type="checkbox"/>
A10	10"(254) Dia., Nickel Bronze	<input type="checkbox"/>

Options		
Suffix	Description	
-5	Sediment Bucket	<input type="checkbox"/>
-6	Vandal Proof	<input type="checkbox"/>
-7	Trap Primer Tapping	<input checked="" type="checkbox"/>
-8	Backwater Valve (2, 3, 4" Only)	<input type="checkbox"/>
-13	Galvanized Body	<input type="checkbox"/>
-15	Strainer Extension (DD-50)	<input type="checkbox"/>
-F4-50	4" Round Cast Iron Funnel	<input type="checkbox"/>
-F4-1	4" Round Nickel Bronze Funnel	<input type="checkbox"/>
-F6-1	6" Round Nickel Bronze Funnel	<input type="checkbox"/>
-G-50	4x9" Oval Cast Iron Funnel	<input type="checkbox"/>
-G-1	4x9" Oval Nickel Bronze Funnel	<input type="checkbox"/>
-S0	Side Outlet	<input type="checkbox"/>

Optional Body Material		
Suffix	Description	
-60	PVC Body w/Socket Outlet (2, 3, 4" Only)	<input type="checkbox"/>
-61	ABS Body w/Socket Outlet (2, 3, 4" Only)	<input type="checkbox"/>



Strainer Size				
Str. Dia.	Min.	Max.	Load Rating	Free Area Sq. In.
5"(127)	13/16"(21)	3 1/4"(83)	*MD	8
6"(152)	7/8"(22)	3 3/8"(86)	*MD	9
7"(178)	11/16"(17)	3 1/4"(83)	*MD	12
8"(203)	7/8"(22)	3 1/4"(83)	*MD	18
10"(254)	1 1/4"(32)	3 1/4"(83)	*MD	28

#### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

Chart B					
Pipe Size	Std. No Hub	P Push On	T Female Thread	X Inside Caulk	60/61 PVC/ABS
2"(52)	3 5/8"(92)	4 1/4"(108)	4 1/4"(108)	4 1/2"(114)	4"(102)
3"(76)	3 5/8"(92)	4 1/4"(108)	4 1/4"(108)	4 1/2"(114)	4"(102)
4"(102)	3 5/8"(92)	4 1/4"(108)	4 1/4"(108)	4 1/2"(114)	4"(102)
6"(152)	3 1/2"(89)				



USA: T: (800) 338-2581 • Watts.com  
 Canada: T: (888) 208-8927 • Watts.ca  
 Latin America: T: (52) 55-4122-0138 • Watts.com



Location: FD

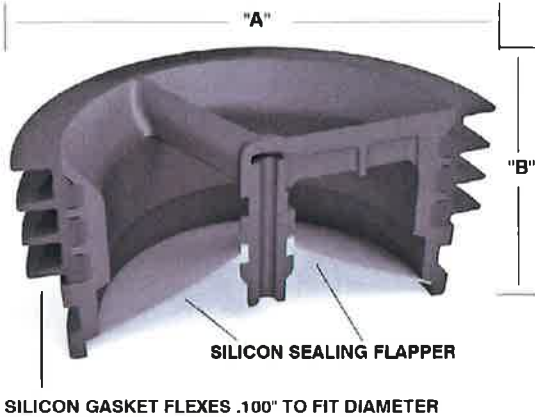


**MI-GARD®**

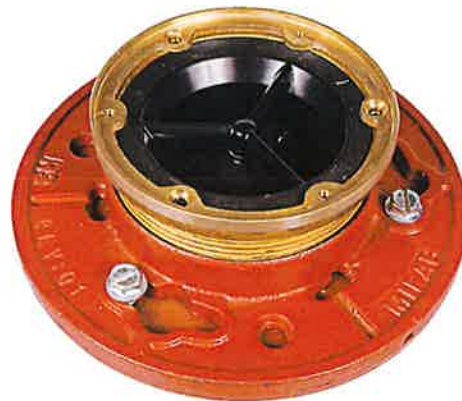
**FLOOR DRAIN TRAP SEAL**

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

**Function:** Used in the outlet connections of floor drain bodies, or the inside of floor drain strainers to seal the opening to prevent odors, sewer gases, and insects from entering up through the floor drain grate. The MI-GARD®'s four flexible silicone sealing ribs ensure easy installation into openings that have variations in size. The MI-GARD® will open to allow drainage and close when there is no water flow.



**BOTTOM OF BODY**



**TOP OF STRAINER**

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

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

- Odors and sewer gases
- Insects

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

The MI-GARD-6 is designed in accordance with industry standards but is not listed. MI-GARD

Floor Drain Trap Seals are in compliance with International Plumbing Code (I.P.C.)



MI-GARD-1.5

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

Job Name: Stone Bank

Page No: \_\_\_\_\_

Section No: \_\_\_\_\_

Contractor: Comfort Systems USA

Schedule No: \_\_\_\_\_

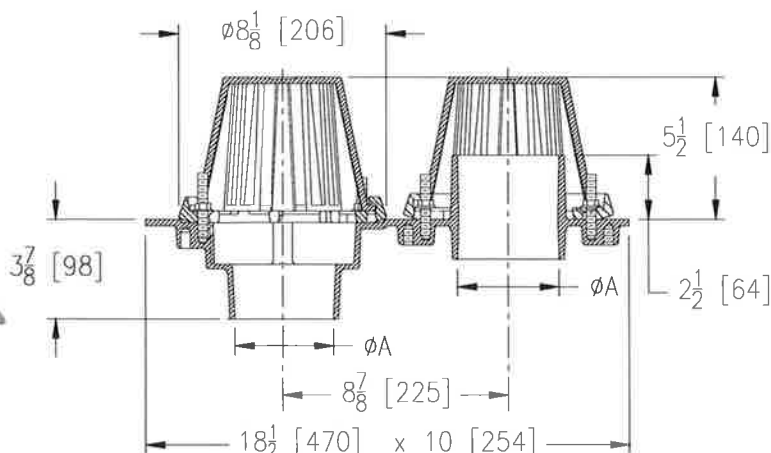
Purchase Order No: \_\_\_\_\_



**RD/OD**

**RD2130****COMBINATION ROOF DRAIN AND OVERFLOW****SPECIFICATION SHEET****TAG RD/OD**

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



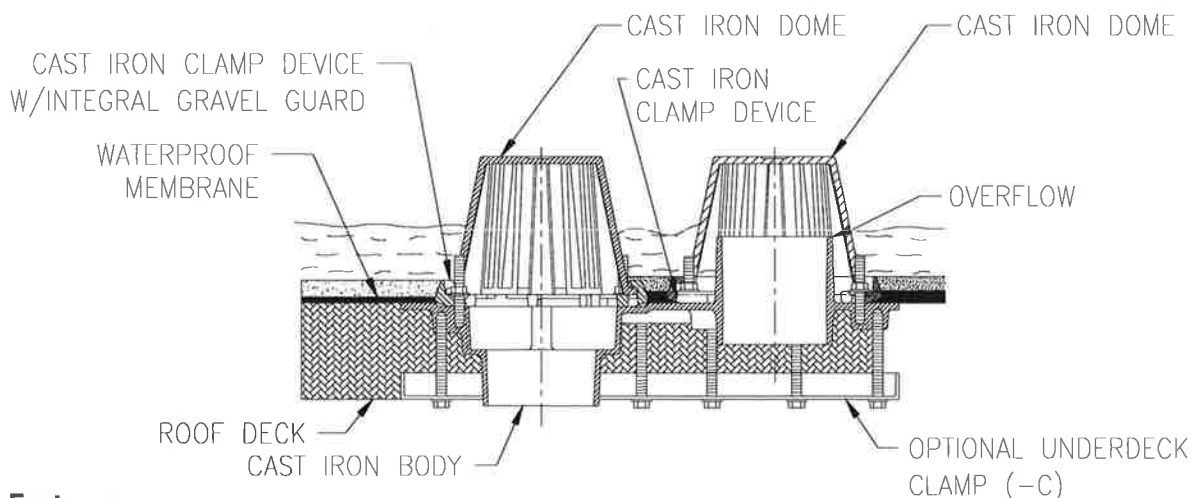
Product	'A' Connections	Dome Open Area Sq. In. [cm <sup>2</sup> ]
RD2130-NH2	2 [51] No-Hub	82 [529]
RD2130-NH3	3 [76] No-Hub	
RD2130-NH4	4 [102] No-Hub	

**RD2130 Combination Roof Drain and Overflow**

Constructed of a Dura-Coated cast iron body. Standard to the roof drain is a cast iron clamp device with an integral gravel guard, roof sump receiver, and cast iron dome strainer.

**Options:**

-C	Underdeck Clamp
-VP	Vandal-Proof Screws for Dome

**Typical Installation****Features**

- This unique drain offers connections for an overflow drain pipe to protect the roof from overflow conditions.
- Integral roof sump receiver.
- Cast iron clamp device is provided to ensure strength and stability necessary for a water-tight seal.

\* Regularly furnished unless otherwise specified.

**DC**

Engineering Specification

Job Name

Stone Bank

Job Location

LR

Engineer

Batson

Approval

Contractor

Comfort Systems USA

Approval

Contractor's P.O. No.

Representative

Sanders Supply

RD-950

Stainless Steel Downspout Cover

Specification

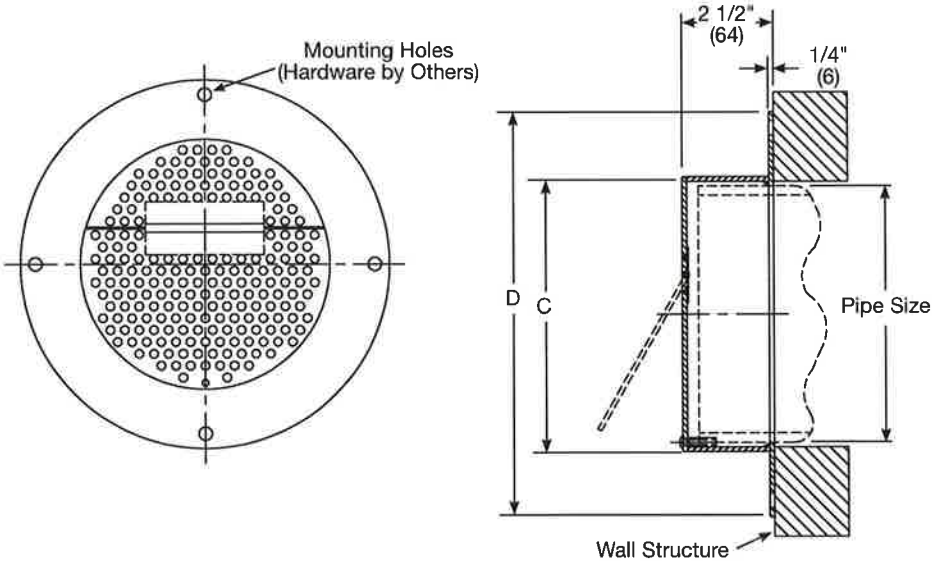
Watts RD-950 stainless steel downspout cover with securing flange, and secured perforated hinged cover.



Call customer service if you need assistance with technical details.

Pipe Sizing		
Suffix	Description	
3	3"(76) Pipe Size	<input type="checkbox"/>
4	4"(102) Pipe Size	<input type="checkbox"/>
6	6"(152) Pipe Size	<input type="checkbox"/>
8	8"(203) Pipe Size	<input type="checkbox"/>
10	10"(254) Pipe Size	<input type="checkbox"/>
12	12"(305) Pipe Size	<input type="checkbox"/>

Options		
Suffix	Description	
-6	Vandal Proof	<input type="checkbox"/>



NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Pipe Size	C	D	Free Area Sq. In.
3"(76)	4 1/4"(108)	7 3/4"(197)	1"(25)
4"(102)	5 1/4"(133)	8 3/4"(222)	2"(51)
6"(152)	7 3/8"(187)	10 7/8"(276)	3"(76)
8"(203)	9 3/8"(238)	12 7/8"(327)	10"(254)
10"(254)	11 1/2"(292)	15"(381)	18"(457)
12"(305)	13 1/2"(343)	17"(432)	26"(660)

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



**WCO**

**Engineering Specification**

Job Name Stone Bank  
 Job Location LR  
 Engineer Batson  
 Approval \_\_\_\_\_

Contractor Comfort Systems USA  
 Approval \_\_\_\_\_  
 Contractor's P.O. No. \_\_\_\_\_  
 Representative Sanders Supply

**CO-380-RD**

## Wall Cleanout with Brass Plug and Stainless Steel Cover

### Specification

Watts CO-380-RD cast iron wall cleanout with gasketed brass countersunk plug, stainless steel access cover, vandal proof stainless steel screw, and no hub connection.

Call customer service if you need assistance with technical details.

Pipe Size	Cover Size	
2"(51)	5"(127)	<input type="checkbox"/>
3"(76)	7"(178)	<input type="checkbox"/>
4"(102)	7"(178)	<input type="checkbox"/>
6"(152)	8"(203)	<input type="checkbox"/>

**Load Rating**

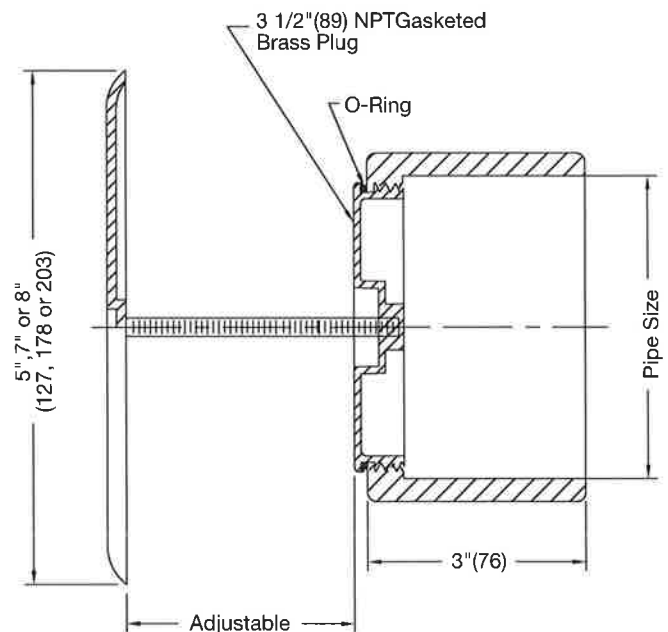
MD

**NOTICE**

The load classifications are in accordance with the American National Standards ASME A112.21.1M ASME Ratings are as follows:  
 MD - Safe Live Load 2000-4999 lbs. (900-2250 kg)  
 The above categories are given as a guide only.  
 Please consult factory.

**NOTICE**

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.



Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



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Latin America: T: (52) 55-4122-0138 • Watts.com

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**FCO**

## Engineering Specification

Job Name Stone Bank  
 Job Location LR  
 Engineer Batson  
 Approval \_\_\_\_\_

Contractor Comfort Systems USA  
 Approval \_\_\_\_\_  
 Contractor's P.O. No. \_\_\_\_\_  
 Representative Sanders Supply

### CO-200-R

#### Floor Cleanout With Round Top Specification

Watts CO-200-R epoxy coated cast iron floor cleanout with 5"(127) round adjustable gasketed nickel bronze top, removable gas tight gasketed brass cleanout plug, and no hub (standard) outlet.

Call customer service if you need assistance with technical details.

Pipe Sizing		
Suffix	Description	
2	2"(51) Pipe Size	<input type="checkbox"/>
3	3"(76) Pipe Size	<input checked="" type="checkbox"/>
4	4"(102) Pipe Size	<input type="checkbox"/>

Outlet Type		
Suffix	Description	
NH	No Hub (M.J.)	<input type="checkbox"/>
P	Push On	<input checked="" type="checkbox"/>
X	Inside Caulk	<input type="checkbox"/>

Options		
Suffix	Description	
-C	Membrane Clamp	<input type="checkbox"/>
-6	Vandal Proof	<input type="checkbox"/>
-13	Galvanized Body	<input type="checkbox"/>
-CF	Carpet Clamping Flange	<input type="checkbox"/>
-SO	Side Outlet	<input type="checkbox"/>

Optional Body Material		
Suffix	Description	
-60	PVC Body w/Poly Plug	<input type="checkbox"/>
-61	ABS Body w/Poly Plug	<input type="checkbox"/>

Load Rating

MD

#### NOTICE

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Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

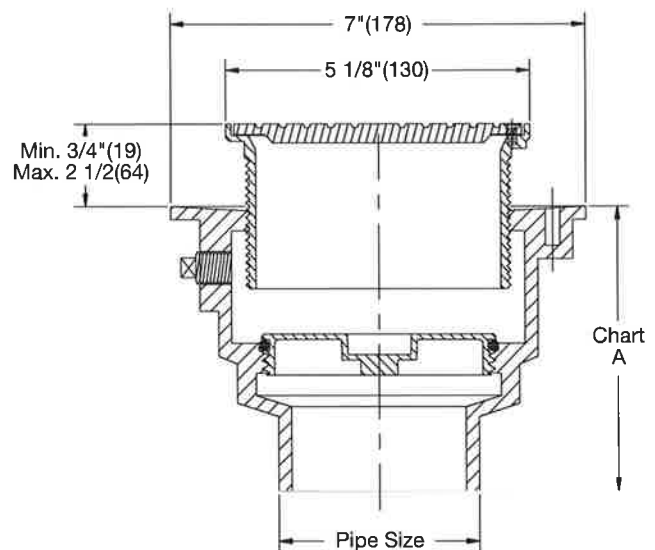


Chart A

Pipe Size	NH	Push On	PVC/ABS
2"(51)	4 3/4"(121)	5 1/2"(140)	4"(102)
3"(76)	4 3/4"(121)	5 1/2"(140)	4"(102)
4"(102)	4 3/4"(121)	5 1/2"(140)	4"(102)

#### NOTICE

The load classifications are in accordance with the American National Standards ASME A112.36.2M-91(R2012) ASME Ratings are as follows:

MD - Safe Live Load 2000-4999 lbs. (900-2250 kg)

The above categories are given as a guide only.

Please consult factory.



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