



# RAFAT

8850 GEORGE BOLTON PARKWAY, CALEDON, ONTARIO L7E 2Y4

Shop Drawings  
Transmittal No:

22 42 00-01R0

Project Name:	Construction of Victoria Park Arena and Brampton Sports Hall of Fame	Project No.	NRFP2024-232
		DATE:	14 Feb 2025
		Submittal Required Return Date:	03 Mar 2025
Submittal No:	30		

Title:	SD-Plumbing Fixtures
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To:	Mark Falkenburger
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Checked by:	Abdullah Hissamuddin	To Be Reviewed By the Following Consultants	Architecture49 & WSP
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Submitted for:	Review and Approval
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Consultants Response	
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**SUBMITTAL REVIEW**  
For general compliance with the design concept and contract documents. Subcontractor is solely responsible for jobsite correlation and correctness of all ratings, sizings, type, style, dimensions, finish, quantities and satisfactory fitting to other work and equipment. This review does not change the intent of the contract document.

REVIEWED

RESUBMIT

REJECTED



- ☐ REVIEWED  
☒ REVIEWED AS NOTED  
☐ REVISE & RESUBMIT

BY Val Kurdaliev  
DIVISION Buildings - Sustainability  
DATE 3/13/2025  
SUBMITTAL# 21-11  
PROJECT CA-WSP-221-05263-00

THE REVIEW OF THIS DRAWING DOES NOT IN ANY WAY RELIEVE THE VENDOR OR CONTRACTOR OF RESPONSIBILITY FOR ITS ACCURACY OR FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.



## SHOP DRAWING REVIEW

**Project Name:** Victoria Park Arena

**Project No.** CA-WSP-221-05263-00

**Date** 2025-03-11

**Received:**

**Shop Drawing:** Title: Plumbing Fixtures

Revision: 00

Submission No.: 21-11

This review by consultant is for sole purpose of ascertaining conformance with general design concept. This review does not mean that consultant approves detail design inherent in shop drawings, responsibility for which remains with contractor, and such review does not relieve contractor of responsibility for errors or omissions in shop drawings or of contractor's responsibility for meeting all requirements of contract documents. Be responsible for dimensions to be confirmed and correlated at job site, for information that pertains solely to fabrication process or to techniques of construction and installation, and for coordination of the work of subtrades.

<input type="checkbox"/> Reviewed	<b>Mechanical Review Required</b> <input checked="" type="checkbox"/>	<b>Electrical Review Required</b> <input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Reviewed as Noted	<b>Reviewed by:</b> Val Kurdaliev	<b>Reviewed by:</b>	Brad Li
<input type="checkbox"/> Revise & Resubmit	<b>Review Date:</b> 2025-03-11	<b>Review Date:</b>	2025-03-12

Item	Comments
	Elec review comments below:
1.	For DHWT-1 and DHWT-2 equipment, the FLA (MCA) current shown on contract IFC drawing was different than the FLA proposed under this submittal, the FLA shown on contract drawing Mechanical schedule was 149.9A, whereas under this submittal the FLA was proposed as 166.7A. Contractor to double check with equipment manufacturer and Mech designer from consultant side to double confirm the FLA rating to be selected for the equipment, and submit updated shop drawings as record should the FLA rating to be kept consistent with the rating as per contract drawings.
2	For DHWT-3 equipment, the FLA (MCA) current shown on contract IFC drawing was different than the FLA proposed under this submittal, the FLA shown on contract drawing Mechanical schedule was 34, whereas under this submittal the FLA was proposed as 57.7A. Contractor to double check with equipment manufacturer and Mech designer from consultant side to double confirm the FLA rating to be selected for the equipment, and submit updated shop drawings as record should the FLA rating to be kept consistent with the rating as per contract drawings.

End of Review



54 Audia Court, Unit 2  
Concord, ON L4K 3N5  
(905)-738-1400

## Submittal 24-280-007

PROJECT NAME	PROJECT ADDRESS	DATE SUBMITTED
VICTORIA PARK ARENA	24-280 20 Victoria Crescent, Brampton, ON L6T 1E4	Feb 12, 2025
TO	FROM	
Abdullah Hissamuddin	PAUL LEDDY	
COMPANY	COMPANY	
RAFAT GENERAL CONTRACTOR INC.	Consult Mechanical Inc.	
EMAIL	EMAIL	
abdullah.hissam@rafat.ca	paul.l@consultmechanical.com	
ADDRESS	ADDRESS	
8850 GEORGE BOLTON PKWY BOLTON, ON L7E 2Y4	54 Audia Court, Unit 2 Concord, ON L4K 3N5	

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### Title

Next Plumbing Package

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### Description

DHWT-1/2  
DHWT-3  
W-1  
WH-1  
LH-1  
LH-2  
Transformer for LH-1/2  
WF  
S-1  
SH-1  
CS-1  
CS-2  
MS  
LT  
BFS  
EW  
GLY

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**Package Items**

SPEC	SUBSECTION	ITEM	TYPE
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## **SHOP DRAWING PACKAGE**

Prepared for  
**CONSULT MECHANICAL**

# **VICTORIA PARK ARENA AND SPORTS HALL OF FAME BRAMPTON**

**FEB 12, 2025**



# Commercial Electric Water Heaters

## CUSTOM Xi™ SERIES

### HEAVY DUTY COMMERCIAL ELECTRIC WATER HEATERS

#### ADVANCED ELECTRONIC CONTROL

- A. O. Smith's proprietary electronic water heater control, provides precise + or - 1° temperature control, that is ideal for industrial and food service applications where exact temperatures are needed.
- The Operating Set Point is adjustable from 90°F/42°C to 190°F/88°C. The factory setting is 120°F/49°C.
- Approved for 180°F/82°C sanitizing applications.

#### EASY TO UNDERSTAND

- Text and animated icons display detailed operational and diagnostic information. Fault or Alert messages appear if an operational issue occurs.

#### ELEMENT SENSING

- Each element is constantly monitored and current on/off state is displayed, any element failure is reported and it's exact location is shown, eliminates a need for field testing of elements.

#### LOW WATER CUT-OFF

- Factory standard on board low water cut-off uses a remote electric immersion type probe to prevent energizing of the elements in the event of low water condition and eliminates accidental dry firing.

#### SEQUENCING

- Units with multiple element contactors are sequenced on with one-second delay between stages. Prevents high amp electrical loads from hitting the electric system all at once and provides a smoother operating unit. Adjustable modulating mode is optional - see options.

#### NIGHT SETBACK OPERATION

- Control system automatically lowers the operating set point by a user defined value during setback periods. Seven-day clock may be programmed for night set back and or weekend shutdown to reduce operating cost and save energy.

#### BUILDING MANAGEMENT SYSTEM

- BACnet or Modbus compatible with optional ICC Gateway.
- Call 1.888.WATER02 for more information.

#### POWERED ANODE

- The DSE models use a unique combination of a conventional magnesium anode and a European style power anode. The powered anode is self-adjusting to water conditions, does not require maintenance unless damaged, and provides longer-lasting tank protection in hard to reach areas. This multi-anode system provides superior anodic protection to hidden surfaces of the tank not protected in convention commercial electric water heaters.

#### INCOLOY IMMERSION HEATERS

- Heavy-duty elements provide excellent protection against oxidation and scaling. Input ranges from 3kW to 90kW available (see accompanying chart). Rugged, industrial grade elements.

#### HEAVY FOAM INSULATED

- All models meet or exceed the thermal efficiency and/or standby loss requirements of NRCan and current edition ASHRAE/IESNA 90.1.

#### GLASSLINED TANK

- A. O. Smith's PermaGlas® coating provides truly superior protection against corrosion and is permanently bonded to all inner tank surfaces at 1600°F.

#### ASME TANK CONSTRUCTION

- 160 psi working pressure.

#### THREE YEAR LIMITED WARRANTY

- For complete warranty information consult written warranty.



**DSE-5A thru DSE-120A  
(DSE-100A Shown)**



Features and benefits continued on the following page.



# Commercial Electric Water Heaters

## FEATURES AND BENEFITS (CONTINUED)

### STANDARD VOLTAGES

- 208, 240 and 480 volt single and three phase. All 208 and 240 volt at 24kW and below are supplied phase convertible (single to three and vice versa). 277 volt single phase also available. Consult factory for 120 volt power circuit availability.

### TERMINAL BLOCK

- To accept copper or aluminum leads (on units with more than one contactor).

### 120 VOLT CONTROL CIRCUIT

- Powered by fused transformer.

### MAGNETIC CONTACTORS

- Heavy-duty UL rated for 100,000 cycles.

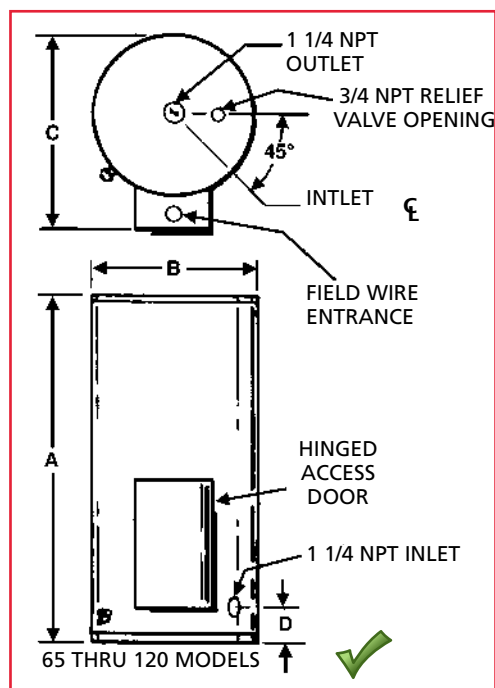
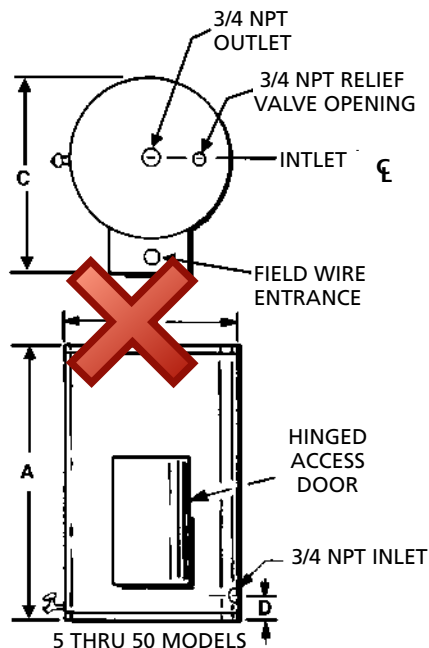
### POWER CIRCUIT FUSING

- Protects all elements, thermostats, and internal wiring circuits against excess current flow.

### SIMPLIFIED CIRCUITRY, COLOUR-CODED FOR EASE OF SERVICE

### HINGED CONTROL COMPARTMENT DOOR

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



## ROUGH-IN DIMENSIONS

MODEL NUMBER	TANK CAPACITY		MAXIMUM KW INPUT	DIMENSIONS								APPROX. SHIPPING WEIGHT	
				A		B		C		D			
	USG	LITRES		INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	LB	KG
DSE-5A	5	19	3	22	559	16	406	24	610	4-1/4	108	82	37
DSE-10A	10	38	6	28-1/8	715	18	457	26	660	5-1/4	133	116	48
DSE-20A	20	76	18	31-3/4	807	22	559	28	711	5-3/4	146	145	66
DSE-30A	30	114	24	43-1/4	1,099	22	559	28	711	5-3/4	146	218	99
DSE-40A	40	151	36	54-3/4	1,391	22	559	28	711	5-3/4	146	245	111
DSE-50A	50	189	90	66-3/16	1,681	22	559	28	711	5-3/4	146	291	132
DSE-65A	65	246	90	57-1/4	1,454	26-1/2	673	32-1/2	826	11-3/8	289	344	156
DSE-80A	80	303	90	58-1/8	1,477	28	711	35	889	12-1/2	318	406	184
DSE-100A	100	379	90	70-1/4	1,784	28	711	35	889	12-1/2	318	419	190
DSE-120A	120	450	90	70-1/4	1,784	30-1/8	765	37	940	12-1/2	318	453	206






# Commercial Electric Water Heaters

## RECOVERY CAPACITIES

GPH RECOVERIES AT LIST TEMPERATURE RISE													
STANDARD KW INPUT	BTU/h	30°F RISE	40°F RISE	50°F RISE	60°F RISE	70°F RISE	80°F RISE	90°F RISE	100°F RISE	110°F RISE	120°F RISE	130°F RISE	140°F RISE
3	10,239	41	31	24	20	17	15	13	12	11	10	10	9
6	20,478	82	62	49	41	35	31	27	25	22	21	19	18
9	30,717	123	92	74	62	53	46	41	37	34	31	28	26
12	40,956	164	123	98	82	70	61	55	49	45	41	38	35
15	51,195	205	154	123	102	88	88	68	61	56	51	47	44
18	61,434	246	184	148	123	105	92	82	74	67	62	57	53
24	81,912	328	246	197	164	140	123	109	98	90	82	76	70
30	102,390	410	308	246	205	176	154	137	123	112	103	95	88
36	122,868	492	369	295	246	211	184	164	148	134	123	113	105
45	153,585	615	461	369	307	263	230	205	184	168	154	142	132
54	184,302	738	554	443	359	316	277	246	221	201	185	170	158
60	204,780	819	615	492	410	351	307	273	246	223	205	189	176
75	255,975	1,025	768	615	512	439	384	341	307	279	256	236	219
90	307,170	1,229	922	738	615	527	461	410	369	335	307	284	263

## STANDARD kW INPUTS AND AMPERAGE

STANDARD KW RATINGS	IMMERSION HEATERS***	WATTAGE	NUMBER OF 50A CONTACTORS			FULL LOAD CURRENT IN AMPERES							
	NO. OF		208V	240V	480V	SINGLE PHASE				 THREE PHASE			
						208V	240V	277V	480V	208V	240V	480V	600V
3	1	3,000	1	1	1	14.4	12.5	10.8	6.3	8.3	7.2	3.6	3.0
6	1	6,000				28.8	25.0	21.2	12.5	16.7	14.4	7.2	6.0
9	1	9,000				43.3	37.5	32.5	18.8	25.0	21.7	10.8	9.0
12	1	12,000				57.7	50.0	43.3	25.0	33.3	28.9	14.4	12.0
15	1	15,000				72.1	62.5	54.2	31.3	41.6	36.1	18.0	15.0
18	*1	18,000	2	2	2	86.5	75.0	65.0	37.5	50.0	43.3	21.7	18.0
24	2	12,000				115.4	100.0	86.6	50.0	66.6	57.7	28.9	24.0
30	2	15,000				144.2	125.0	108.3	62.5	83.3	72.2	36.1	30.0
36	*2	18,000	3	3		173.1	150.0	130.0	75.0	99.9	86.6	43.3	36.0
45	3	15,000				216.3	187.5	162.5	93.8	124.9	108.3	54.1	45.0
54 	3	18,000				N/A	225.0	194.9	112.5	149.9	129.9	65.0	54.0
60	4	15,000	4	4	3	N/A	250.0	216.6	125.0	166.7 	145.0	72.0	60.0
74	5	15,000	5	5		N/A	N/A	N/A	156.0	208.4	181.0	90.0	75.0
90	5	18,000				N/A	N/A	N/A	188.0	250.0	217.0	108.0	90.0

\* 208V models use one additional immersion heater.

\*\*\* Each immersion heater contains three electric elements.



# Commercial Electric Water Heaters

## OPTIONAL EQUIPMENT & CONSTRUCTION

**DIAL TYPE COMBINATION TEMPERATURE & PRESSURE GAUGE**  
(SHIPPED LOOSE).

### POWER CIRCUIT FUSING

- Sub-divides internal circuitry with maximum of 60 amp fuses. Supplied as standard when required by NEC and UL.

### ALARM HORN

- Horns may be furnished to warn of any condition in the heater for which sensors have been specified.

## CONTROL OPTIONS

### MODULATING CONTROL

- The first element on is the first element off.
- Not available on single element, single contactor units.

### OPTIONAL INTERNATIONAL VOLTAGES

- 380, 415, 575 and 600 volts three-phase available with Y connected elements.

## SPECIFICATION

The heater shall be a glass-lined Custom Xi™ commercial electric model No. \_\_\_\_\_ with \_\_\_\_\_ gallons storage, as manufactured by A. O. Smith. Heater should be rated at \_\_\_\_\_ kW, \_\_\_\_\_ volts, \_\_\_\_\_ phase, 50/60 cycle AC and constructed in accordance with ASME Code, shall bear appropriate symbol and be listed with the National Board as required. Heater shall be listed with Underwriters' Laboratories and classified to The National Sanitation Foundation Standard No. 5. All internal surfaces of the tank shall be glass-lined with an alkaline borosilicate composition that has been fused-to-steel by firing at a temperature of 1600°F. Tank shall be cathodically protected with a combination of sacrificial and powered anodes. The entire vessel is to be enclosed in a round steel enclosure with baked enamel finish. Water heater shall have an electronic control with large LCD displaying current water heater status; provide real time element status and sensing, low water cut-off and economy mode operation. Shall have 120 volt control circuit transformer, transformer fusing, magnetic contactor(s), element fusing per N.E.C., and commercial grade incoloy elements. Temperature controls include limiting switch which will require resetting manually in the event the temperature reaches 202°F. Foam insulation shall meet the thermal efficiency and/or standby loss requirements of NRCan and current edition of ASHRAE/IES 90.1. Heater shall include a CSA Certified and ASME Rated T&P relief valve and drain valve.

For Technical Information call 888-599-2837. A. O. Smith Enterprises Ltd. reserves the right to make product changes or improvements without prior notice.





# Commercial Electric Water Heaters

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- Control system automatically lowers the operating set point by a user defined value during setback periods. Seven-day clock may be programmed for night set back and or weekend shutdown to reduce operating cost and save energy.

### BUILDING MANAGEMENT SYSTEM

- BACnet or Modbus compatible with optional ICC Gateway.
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### HEAVY FOAM INSULATED

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### GLASSLINED TANK

- A. O. Smith's PermaGlas® coating provides truly superior protection against corrosion and is permanently bonded to all inner tank surfaces at 1600°F.

### ASME TANK CONSTRUCTION

- 160 psi working pressure.

### THREE YEAR LIMITED WARRANTY

- For complete warranty information consult written warranty.



**DSE-5A thru DSE-120A  
(DSE-100A Shown)**



Features and benefits continued on the following page.



# Commercial Electric Water Heaters

## FEATURES AND BENEFITS (CONTINUED)

### STANDARD VOLTAGES

- 208, 240 and 480 volt single and three phase. All 208 and 240 volt at 24kW and below are supplied phase convertible (single to three and vice versa). 277 volt single phase also available. Consult factory for 120 volt power circuit availability.

### TERMINAL BLOCK

- To accept copper or aluminum leads (on units with more than one contactor).

### 120 VOLT CONTROL CIRCUIT

- Powered by fused transformer.

### MAGNETIC CONTACTORS

- Heavy-duty UL rated for 100,000 cycles.

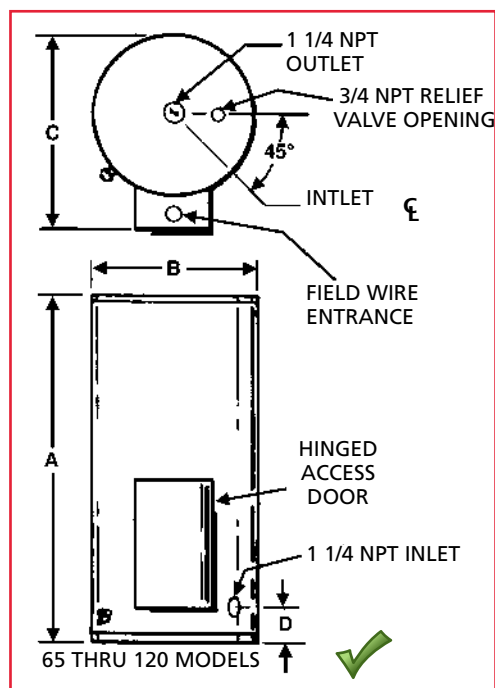
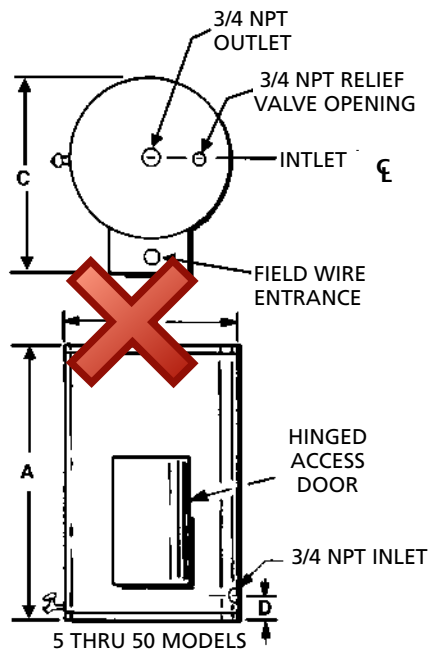
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### CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE



## ROUGH-IN DIMENSIONS

MODEL NUMBER	TANK CAPACITY		MAXIMUM KW INPUT	DIMENSIONS								APPROX. SHIPPING WEIGHT	
				A		B		C		D			
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DSE-5A	5	19	3	22	559	16	406	24	610	4-1/4	108	82	37
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DSE-20A	20	76	18	31-3/4	807	22	559	28	711	5-3/4	146	145	66
DSE-30A	30	114	24	43-1/4	1,099	22	559	28	711	5-3/4	146	218	99
DSE-40A	40	151	36	54-3/4	1,391	22	559	28	711	5-3/4	146	245	111
DSE-50A	50	189	90	66-3/16	1,681	22	559	28	711	5-3/4	146	291	132
DSE-65A	65	246	90	57-1/4	1,454	26-1/2	673	32-1/2	826	11-3/8	289	344	156
DSE-80A	80	303	90	58-1/8	1,477	28	711	35	889	12-1/2	318	406	184
DSE-100A	100	379	90	70-1/4	1,784	28	711	35	889	12-1/2	318	419	190
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# Commercial Electric Water Heaters

## RECOVERY CAPACITIES

GPH RECOVERIES AT LIST TEMPERATURE RISE													
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45	153,585	615	461	369	307	263	230	205	184	168	154	142	132
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75	255,975	1,025	768	615	512	439	384	341	307	279	256	236	219
90	307,170	1,229	922	738	615	527	461	410	369	335	307	284	263

## STANDARD kW INPUTS AND AMPERAGE

STANDARD KW RATINGS	IMMERSION HEATERS***	WATTAGE	NUMBER OF 50A CONTACTORS			FULL LOAD CURRENT IN AMPERES							
	NO. OF		208V	240V	480V	SINGLE PHASE				THREE PHASE			
						208V	240V	277V	480V	208V	240V	480V	600V
3	1	3,000	1	1	1	14.4	12.5	10.8	6.3	8.3	7.2	3.6	3.0
6	1	6,000				28.8	25.0	21.2	12.5	16.7	14.4	7.2	6.0
9	1	9,000				43.3	37.5	32.5	18.8	25.0	21.7	10.8	9.0
12	1	12,000				57.7	50.0	43.3	25.0	33.3	28.9	14.4	12.0
15	1	15,000	2	2	1	72.1	62.5	54.2	31.3	41.6	36.1	18.0	15.0
18	*1	18,000				86.5	75.0	65.0	37.5	50.0	43.3	21.7	18.0
24	2	12,000				115.4	100.0	86.6	50.0	66.6	57.7	28.9	24.0
30	2	15,000				144.2	125.0	108.3	62.5	83.3	72.2	36.1	30.0
36	*2	18,000	3	3	2	173.1	150.0	130.0	75.0	99.9	86.6	43.3	36.0
45	3	15,000				216.3	187.5	162.5	93.8	124.9	108.3	54.1	45.0
54	3	18,000				N/A	225.0	194.9	112.5	149.9	129.9	65.0	54.0
60	4	15,000				N/A	250.0	216.6	125.0	166.7	145.0	72.0	60.0
74	5	15,000	5	5	3	N/A	N/A	N/A	156.0	208.4	181.0	90.0	75.0
90	5	18,000				N/A	N/A	N/A	188.0	250.0	217.0	108.0	90.0

\* 208V models use one additional immersion heater.

\*\*\* Each immersion heater contains three electric elements.





# Commercial Electric Water Heaters

## OPTIONAL EQUIPMENT & CONSTRUCTION

### DIAL TYPE COMBINATION TEMPERATURE & PRESSURE GAUGE

(SHIPPED LOOSE).

### POWER CIRCUIT FUSING

- Sub-divides internal circuitry with maximum of 60 amp fuses. Supplied as standard when required by NEC and UL.

### ALARM HORN

- Horns may be furnished to warn of any condition in the heater for which sensors have been specified.

## CONTROL OPTIONS

### MODULATING CONTROL

- The first element on is the first element off.
- Not available on single element, single contactor units.

### OPTIONAL INTERNATIONAL VOLTAGES

- 380, 415, 575 and 600 volts three-phase available with Y connected elements.

## SPECIFICATION

The heater shall be a glass-lined Custom Xi™ commercial electric model No. \_\_\_\_\_ with \_\_\_\_\_ gallons storage, as manufactured by A. O. Smith. Heater should be rated at \_\_\_\_\_ kW, \_\_\_\_\_ volts, \_\_\_\_\_ phase, 50/60 cycle AC and constructed in accordance with ASME Code, shall bear appropriate symbol and be listed with the National Board as required. Heater shall be listed with Underwriters' Laboratories and classified to The National Sanitation Foundation Standard No. 5. All internal surfaces of the tank shall be glass-lined with an alkaline borosilicate composition that has been fused-to-steel by firing at a temperature of 1600°F. Tank shall be cathodically protected with a combination of sacrificial and powered anodes. The entire vessel is to be enclosed in a round steel enclosure with baked enamel finish. Water heater shall have an electronic control with large LCD displaying current water heater status; provide real time element status and sensing, low water cut-off and economy mode operation. Shall have 120 volt control circuit transformer, transformer fusing, magnetic contactor(s), element fusing per N.E.C., and commercial grade incoloy elements. Temperature controls include limiting switch which will require resetting manually in the event the temperature reaches 202°F. Foam insulation shall meet the thermal efficiency and/or standby loss requirements of NRCan and current edition of ASHRAE/IES 90.1. Heater shall include a CSA Certified and ASME Rated T&P relief valve and drain valve.

For Technical Information call 888-599-2837. A. O. Smith Enterprises Ltd. reserves the right to make product changes or improvements without prior notice.



# AFWALL® MILLENNIUM™ FloWise® ELONGATED FLUSHOMETER TOILET

VITREOUS CHINA with EVERCLEAN®

## AFWALL® MILLENNIUM™ FloWise® ELONGATED FLUSHOMETER TOILET with EVERCLEAN®

- Wall-mounted 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 gpf - 1.6 gpf or 1.28/1.1 gpf dual flush)
- Maximum Performance (MaP) score of 1,000 grams at 1.1 gpf - 1.6 gpf
- Permanent EverClean® antimicrobial surface inhibits the growth of stain- and odor-causing bacteria, mold, and mildew on the surface
- Condensation channel
- Concealed trapway design
- Elongated bowl
- Powerful direct-fed siphon jet action
- 1-1/2" inlet spud
- Fully-glazed 2-1/8" trapway
- 10" x 12" water surface area
- Static weight load of 1,000 lbs.\*
- 100% factory flush tested

- ✓ **3351.101** Elongated bowl only, top spud
- ☐ **3352.101** Elongated bowl only, top spud with slotted rim for bedpan holding
- ☐ **3353.101** Elongated bowl only, back spud
- ☐ **3354.101** Elongated bowl only, back spud with slotted rim for bedpan holding

### System MaP\* Score:

- 1,000 grams of miso @ 1.1 gpf to 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)

### Nominal Dimensions:

660 x 356 x 381mm  
(26" x 14" x 15")

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

✓ Fixture only, less seat, bolt caps, and flushometer valve

### Compliance Certifications -

#### Meets or Exceeds the Following Specifications:

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

\* This product is not recommended for bariatric use.



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)  
AC Power #6067.161.002 (Top Spud)
    - ☐ Manual: American Standard #6047.161.002 (Top Spud)
  - ☐ 1.28 gpf:
    - ☐ Sensor-Operated: American Standard Selectronic® DC Power #6065.121.002 (Top Spud)  
AC Power #6067.121.002 (Top 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)  
AC Power #6067.761.002 (Top Spud)
  - ☐ 1.28 / 1.1 gpf Dual Flush:
    - ☐ Sensor-Operated: American Standard Selectronic® DC Power #6065.721.002 (Top Spud)  
AC Power #6067.721.002 (Top Spud)



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

- When installed so top of seat is 432 to 483mm (17" to 19") from the finished floor.

EVERCLEAN®  
Surface

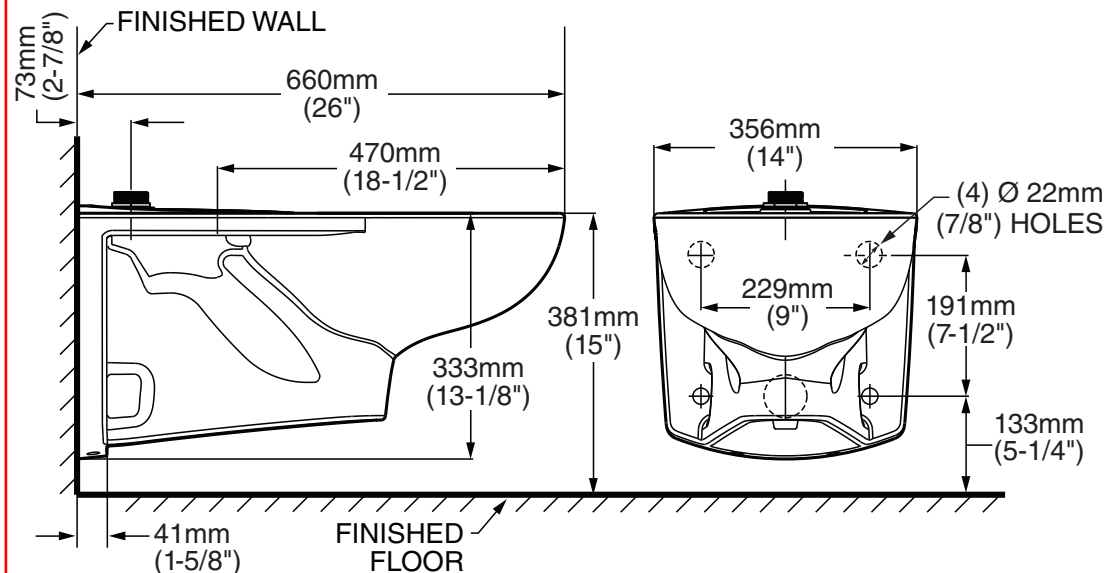




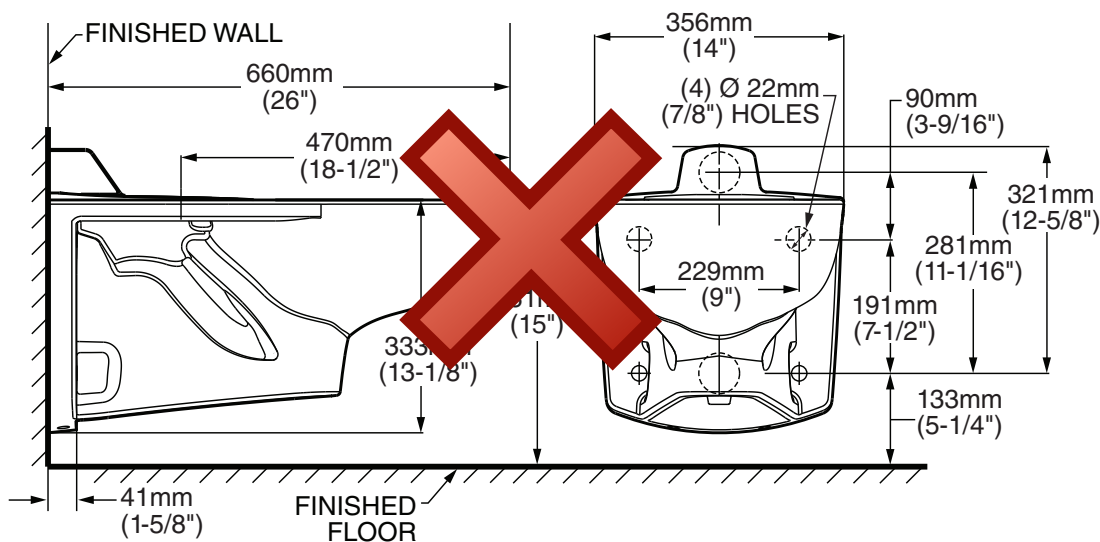
# AFWALL® MILLENNIUM™ FloWise® ELONGATED FLUSHOMETER TOILET

VITREOUS CHINA with EVERCLEAN®

## 3351.101/3352.101



## 3353.101/3354.101



### NOTES:

● Toilet designed to meet ADA accessibility standards when top of seat height set at 432 to 483mm (17" to 19") from finished floor.

PRODUCT 3351 AND 3353 SHOWN, 3352 AND 3354 SAME EXCEPT WITH SLOTTED RIM FOR BED PAN HOLDING.

**WASTE OUTLET SEAL RING MUST BE NEOPRENE OR GRAPHITE-FELT (WAX RING NOT RECOMMENDED).**

SUGGESTED 2mm (1/16") CLEARANCE BETWEEN FACE OF WALL AND BACK OF BOWL.

TO COMPLY WITH AREA CODE GOVERNING THE HEIGHT OF VACUUM BREAKER ON THE FLUSHOMETER VALVE, THE PLUMBER MUST VERIFY DIMENSIONS SHOWN FOR SUPPLY ROUGHING.

FLUSHOMETER VALVE NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY.

CARRIER FITTING AS REQUIRED TO BE FURNISHED BY OTHERS.

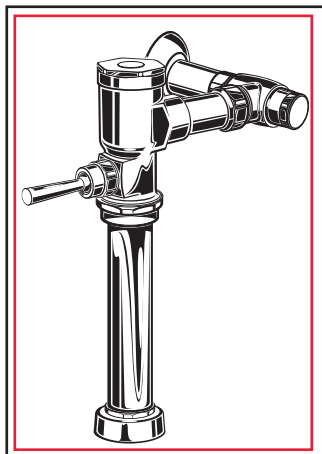
PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORT.

**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



# Ultima Manual Toilet Flush Valve Piston-Type



## GENERAL DESCRIPTION:

Manual Piston-Type Water Closet Flush Valve for floor-mounted or wall-hung 1-1/2" top spud bowls.

## INCLUDES:

- 1" I.P.S. angle stop with back-flow prevention and vandal-resistant cap
- Sweat solder kit including cover tube and wall flange
- High back pressure vacuum breaker with down tube
- Spud coupling & flange for 1-1/2" top spud

## PRODUCT FEATURES:

- Self-cleaning brass piston with integral wiper spring prevents clogging and reduces maintenance
- Piston operation delivers superior flush accuracy and repeatability
- Piston valve remains closed and does not need to be reset after loss of water pressure
- Non-hold open handle provides automatic shut-off after every flush
- Fail-Safe Operation: Valve automatically closes and does not need to be reset, on loss of water pressure
- Positive seal ensures leak-free performance
- No external volume adjustment
- Durable chrome-plated cast brass construction is ideal for commercial applications
- Chemical-resistant EPDM seals for long life
- Adjustable tailpiece for rough-in flexibility
- Can be installed left or right handed
- ADA complaint

## RECOMMENDED SPECIFICATION:

Manual toilet flush valve shall feature self-cleaning brass piston valve with integral wiper spring in refill orifice to prevent clogging. Valve remains closed and does not need to be reset after loss of water pressure. Includes cast brass valve body and cover with chrome finish and vandal resistant stop cap. Includes sweat solder kit with wall flange and cover tube. High back pressure vacuum breaker and angle stop with back-flow protection and vacuum breaker included. 1.1 gpf / 1.28 gpf / 1.6 gpf Flush valve shall be American Standard Model # 6047\_\_\_\_.002.

## MODEL NUMBER:



**6047111.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.1 gpf / 4.2 Lpf



☐ **6047121.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.28 gpf / 4.8 Lpf

☐ **6047161.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.6 gpf / 6.0 Lpf

## OPERATING PRESSURE:

25 psi (flowing)-80 psi (static)

## FLOW REQUIREMENT:

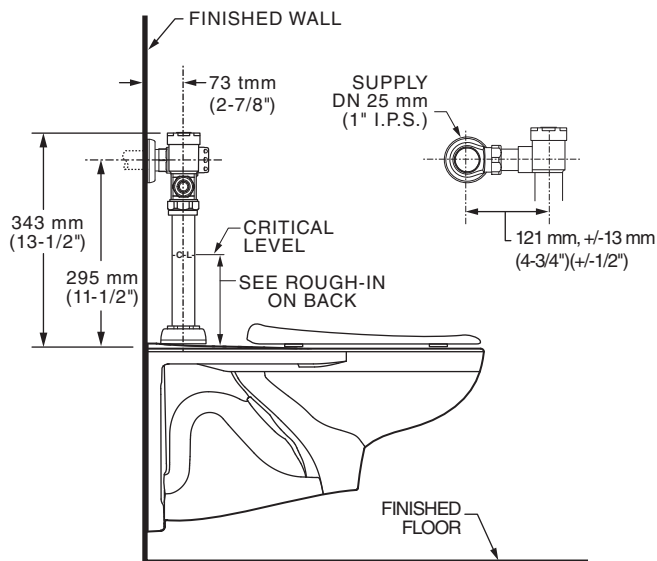
25gpm (94.6 L/min.)

## MaP\* Score

- 1,000 grams of miso @ 1.1 gpf (when used with an American Standard AFWall Millenium or Madera universal flushometer bowl)

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

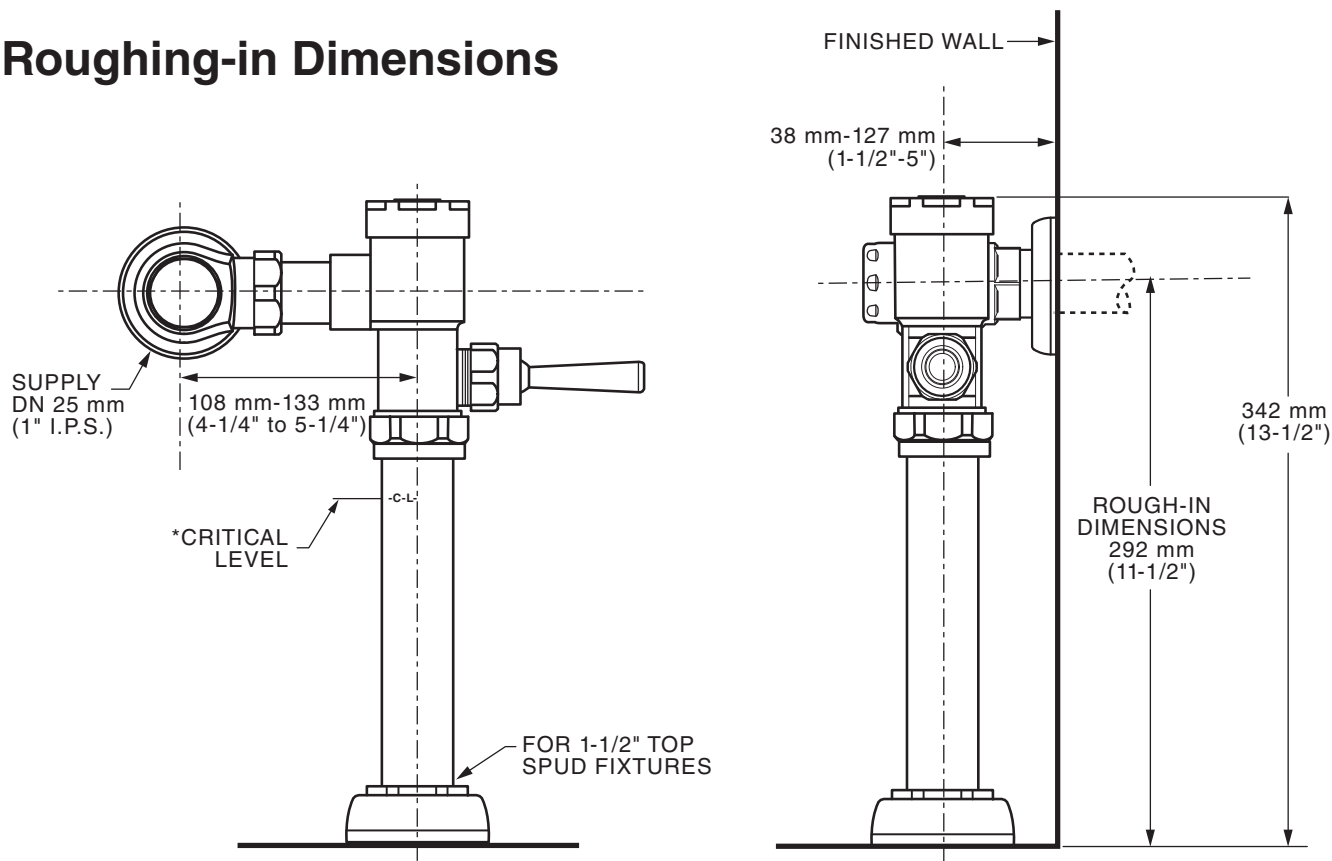
## TYPICAL WATER CLOSET INSTALLATION: AFWALL™ TOILET SHOWN



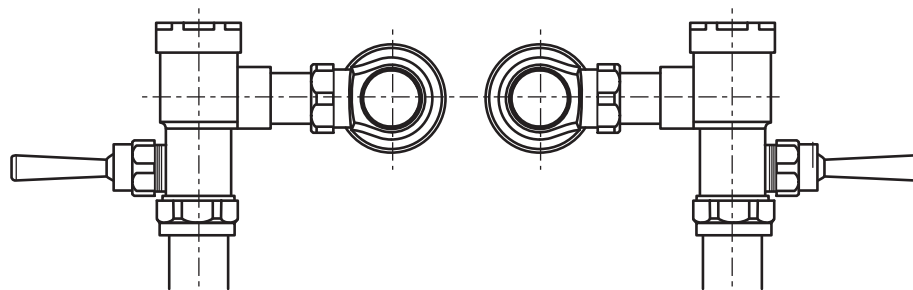
## LISTINGS:

- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

## Roughing-in Dimensions



\*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be a minimum of 6" (152 mm) above fixture. Consult Codes for details.



Left or Right Hand Installation



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

PART OF **LIXIL**



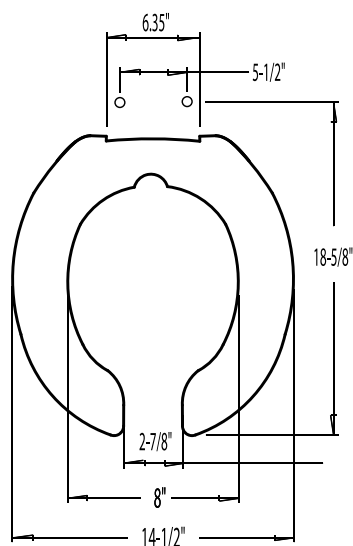
# Solid Plastic Seats Elongated

**Institutional • Commercial • Extra Heavy-Duty**

## 1500 SERIES



Available in Antimicrobial.  
Available in Fire-Retardant.



## DETAILS

**1500STSCC** Extra heavy-duty, open front, less cover for elongated bowl. Stainless steel check-hinge with gasket, metal flat washers, lock washers and stainless steel nuts.

**1500STSCCSS** Extra heavy-duty, open front, less cover for elongated bowl. Self-sustaining stainless steel check-hinge with gasket, metal flat washers, lock washers and stainless steel nuts.

### Standard Features:

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

Color	Code #	1500 STSCC	1500 STSCCSS
White	001	●	● <input type="checkbox"/>
Cotton/Crane White	301	● <input type="checkbox"/>	<input type="checkbox"/>
Linen/Biscuit	416		
Black	407	● <input type="checkbox"/>	● <input type="checkbox"/>
Bone/Almond	106-A		

Canada ● U.S. ☐





# AFWALL® MILLENNIUM™ FloWise® ELONGATED FLUSHOMETER TOILET

VITREOUS CHINA with EVERCLEAN®

## AFWALL® MILLENNIUM™ FloWise® ELONGATED FLUSHOMETER TOILET with EVERCLEAN®

- Wall-mounted 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 gpf - 1.6 gpf or 1.28/1.1 gpf dual flush)
- Maximum Performance (MaP) score of 1,000 grams at 1.1 gpf - 1.6 gpf
- Permanent EverClean® antimicrobial surface inhibits the growth of stain- and odor-causing bacteria, mold, and mildew on the surface
- Condensation channel
- Concealed trapway design
- Elongated bowl
- Powerful direct-fed siphon jet action
- 1-1/2" inlet spud
- Fully-glazed 2-1/8" trapway
- 10" x 12" water surface area
- Static weight load of 1,000 lbs.\*
- 100% factory flush tested

- ✓ **3351.101** Elongated bowl only, top spud
- ☐ **3352.101** Elongated bowl only, top spud with slotted rim for bedpan holding
- ☐ **3353.101** Elongated bowl only, back spud
- ☐ **3354.101** Elongated bowl only, back spud with slotted rim for bedpan holding

### System MaP\* Score:

- 1,000 grams of miso @ 1.1 gpf to 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)

### Nominal Dimensions:

660 x 356 x 381mm  
(26" x 14" x 15")

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

✓ Fixture only, less seat, bolt caps, and flushometer valve

### Compliance Certifications -

#### Meets or Exceeds the Following Specifications:

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

\* This product is not recommended for bariatric use.



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)  
AC Power #6067.161.002 (Top Spud)
    - ☐ Manual: American Standard #6047.161.002 (Top Spud)
  - ☐ 1.28 gpf:
    - ☐ Sensor-Operated: American Standard Selectronic® DC Power #6065.121.002 (Top Spud)  
AC Power #6067.121.002 (Top 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)  
AC Power #6067.761.002 (Top Spud)
  - ☐ 1.28 / 1.1 gpf Dual Flush:
    - ☐ Sensor-Operated: American Standard Selectronic® DC Power #6065.721.002 (Top Spud)  
AC Power #6067.721.002 (Top Spud)



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

- When installed so top of seat is 432 to 483mm (17" to 19") from the finished floor.

EVERCLEAN®  
Surface



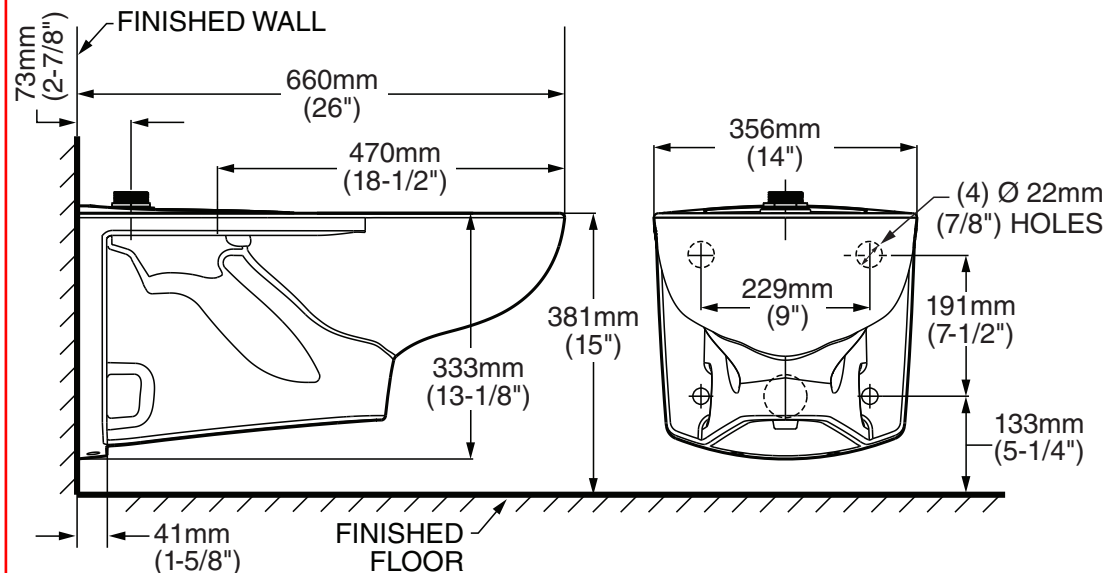


BARRIER FREE

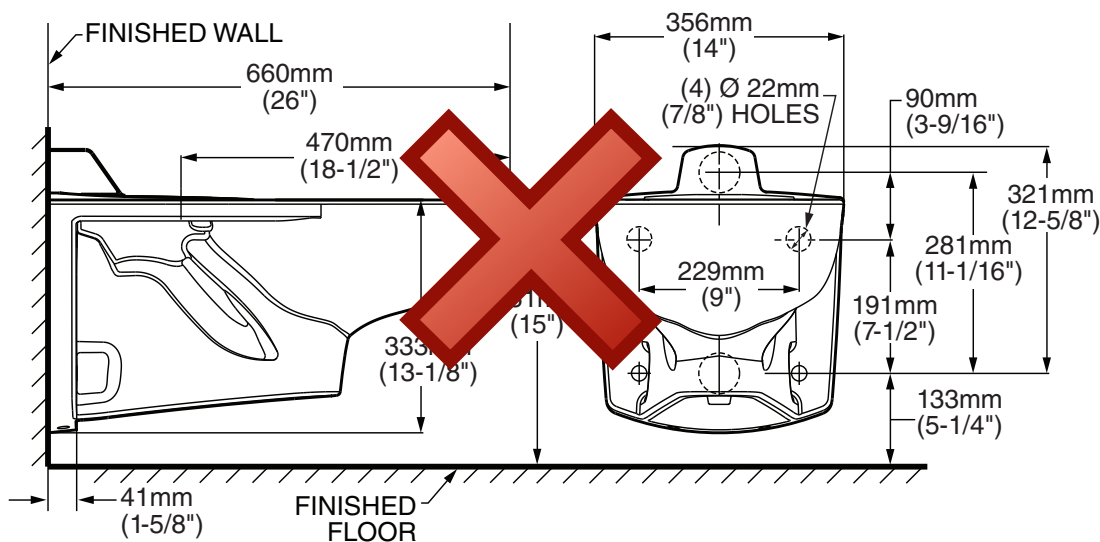
# AFWALL® MILLENNIUM™ FloWise® ELONGATED FLUSHOMETER TOILET

VITREOUS CHINA with EVERCLEAN®

## 3351.101/3352.101



## 3353.101/3354.101



### NOTES:

● Toilet designed to meet ADA accessibility standards when top of seat height set at 432 to 483mm (17" to 19") from finished floor.

PRODUCT 3351 AND 3353 SHOWN, 3352 AND 3354 SAME EXCEPT WITH SLOTTED RIM FOR BED PAN HOLDING.

**WASTE OUTLET SEAL RING MUST BE NEOPRENE OR GRAPHITE-FELT (WAX RING NOT RECOMMENDED).**

SUGGESTED 2mm (1/16") CLEARANCE BETWEEN FACE OF WALL AND BACK OF BOWL.

TO COMPLY WITH AREA CODE GOVERNING THE HEIGHT OF VACUUM BREAKER ON THE FLUSHOMETER VALVE, THE PLUMBER MUST VERIFY DIMENSIONS SHOWN FOR SUPPLY ROUGHING.

FLUSHOMETER VALVE NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY.

CARRIER FITTING AS REQUIRED TO BE FURNISHED BY OTHERS.

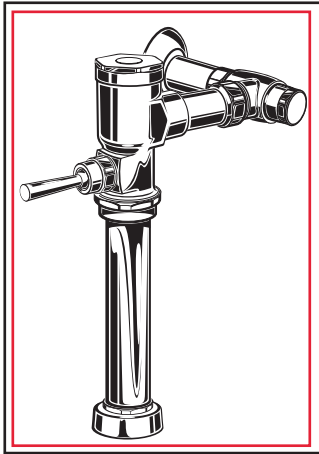
PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORT.

**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





# Ultima Manual Toilet Flush Valve Piston-Type



## GENERAL DESCRIPTION:

Manual Piston-Type Water Closet Flush Valve for floor-mounted or wall-hung 1-1/2" top spud bowls.

## INCLUDES:

- 1" I.P.S. angle stop with back-flow prevention and vandal-resistant cap
- Sweat solder kit including cover tube and wall flange
- High back pressure vacuum breaker with down tube
- Spud coupling & flange for 1-1/2" top spud

## PRODUCT FEATURES:

- Self-cleaning brass piston with integral wiper spring prevents clogging and reduces maintenance
- Piston operation delivers superior flush accuracy and repeatability
- Piston valve remains closed and does not need to be reset after loss of water pressure
- Non-hold open handle provides automatic shut-off after every flush
- Fail-Safe Operation: Valve automatically closes and does not need to be reset, on loss of water pressure
- Positive seal ensures leak-free performance
- No external volume adjustment
- Durable chrome-plated cast brass construction is ideal for commercial applications
- Chemical-resistant EPDM seals for long life
- Adjustable tailpiece for rough-in flexibility
- Can be installed left or right handed
- ADA complaint

## RECOMMENDED SPECIFICATION:

Manual toilet flush valve shall feature self-cleaning brass piston valve with integral wiper spring in refill orifice to prevent clogging. Valve remains closed and does not need to be reset after loss of water pressure. Includes cast brass valve body and cover with chrome finish and vandal resistant stop cap. Includes sweat solder kit with wall flange and cover tube. High back pressure vacuum breaker and angle stop with back-flow protection and vacuum breaker included. 1.1 gpf / 1.28 gpf / 1.6 gpf Flush valve shall be American Standard Model # 6047\_\_\_\_.002.

## MODEL NUMBER:



**6047111.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.1 gpf / 4.2 Lpf



☐ **6047121.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.28 gpf / 4.8 Lpf

☐ **6047161.002** Flush Valve for 11-1/2" Supply C\L to top of bowl, 1.6 gpf / 6.0 Lpf

## OPERATING PRESSURE:

25 psi (flowing)-80 psi (static)

## FLOW REQUIREMENT:

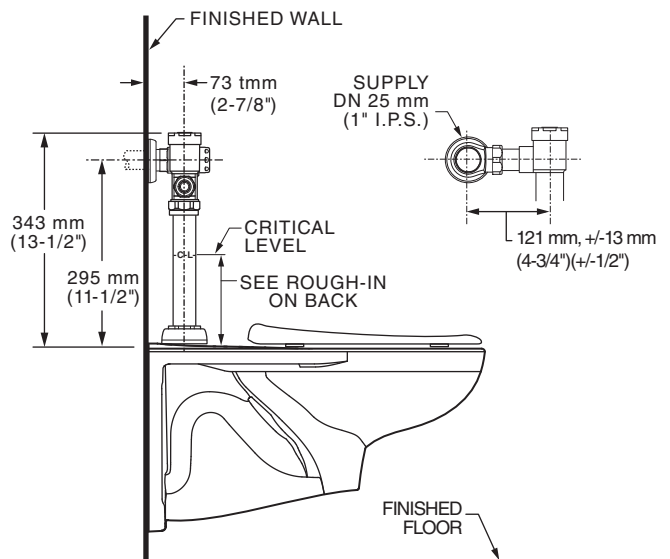
25gpm (94.6 L/min.)

## MaP\* Score

- 1,000 grams of miso @ 1.1 gpf (when used with an American Standard AFWall Millenium or Madera universal flushometer bowl)

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

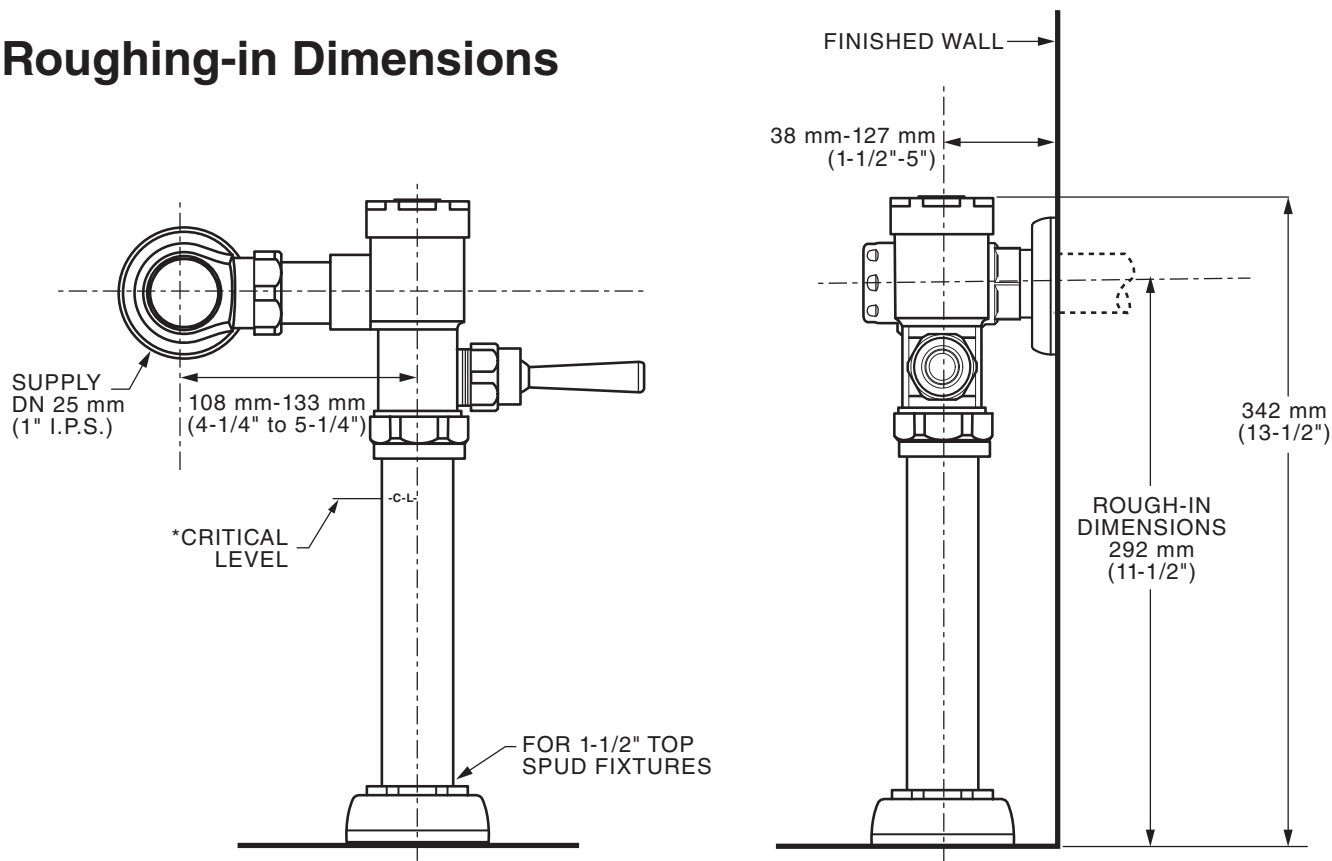
## TYPICAL WATER CLOSET INSTALLATION: AFWALL™ TOILET SHOWN



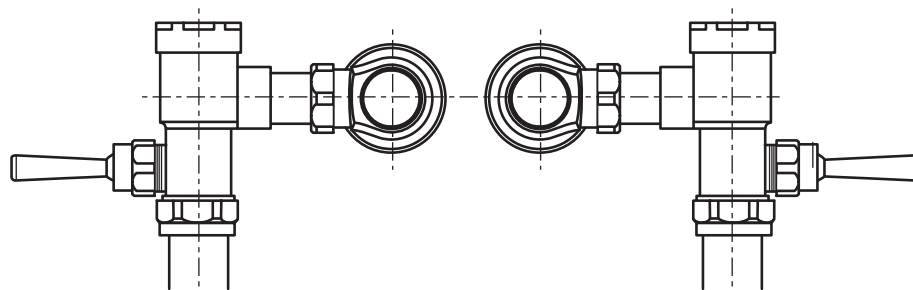
## LISTINGS:

- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

## Roughing-in Dimensions



\*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be a minimum of 6" (152 mm) above fixture. Consult Codes for details.



Left or Right Hand Installation



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

PART OF **LIXIL**



## COMMERCIAL HEAVY DUTY

### Product Specifications

<b>Shape</b>	Elongated
<b>Seat Material</b>	Polypropylene
<b>Seat Form</b>	Open front
<b>Commercial Hinge</b>	Yes
<b>Bolt Material</b>	Stainless steel
<b>Hardware Material</b>	Stainless Steel
<b>Check Hinge</b>	Yes
<b>Cover</b>	Yes
<b>Custom Gasket</b>	Yes
<b>Color</b>	White

<b>Warranty</b>	1 year limited warranty
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<b>Available Colors</b>	White,
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### Features

#### Antimicrobial

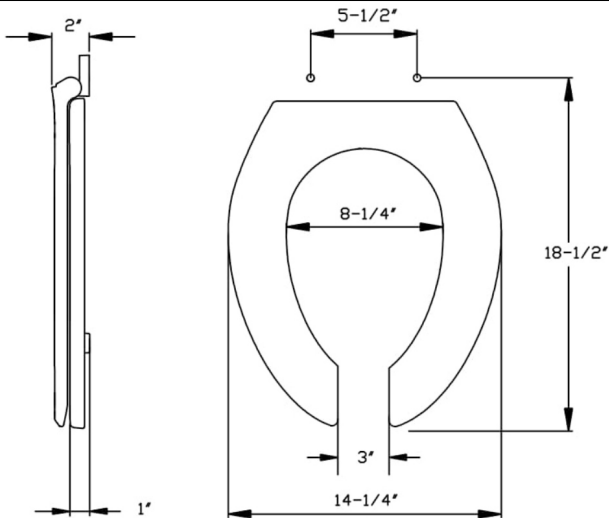
US: Antimicrobial additive inhibits the growth of stain and odor causing bacteria on this article.  
CDN: Contains CESA-MB8233 as a preservative for the protection of this article.

#### Fire Retardant

Includes fire retardant additive.

#### Commercial Hinge

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



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

*American Standard***BARRIER FREE****CADET™ UNIVERSAL ACCESS  
COUNTERTOP SINK**

VITREOUS CHINA

**CADET UNIVERSAL ACCESS  
COUNTERTOP SINK**

- Vitreous china
  - Self-rimming
  - Two rear overflow holes
  - Supplied with template
  - Faucet deck
- (Faucet shown not included)



- ☐ **9498 001** Faucet holes on 203mm (8") centres
- ☒ **9494 001** Faucet holes on 102mm (4") centres
- ☐ **9495 001** Centre hole only (Illustrated)

Nominal Dimensions:

533 x 445mm (21" x 17-1/2")

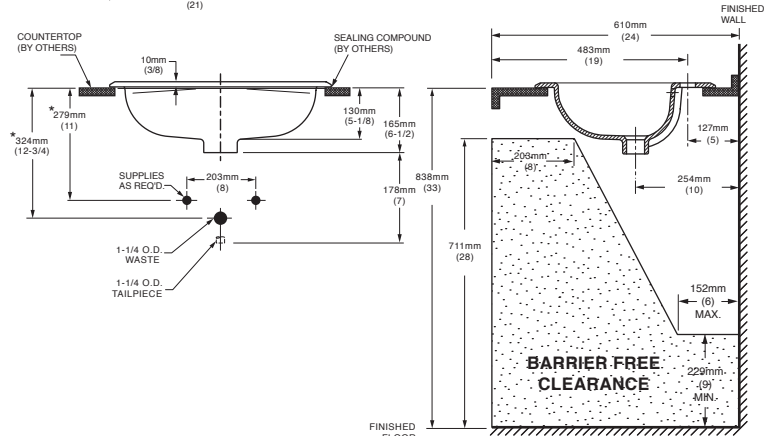
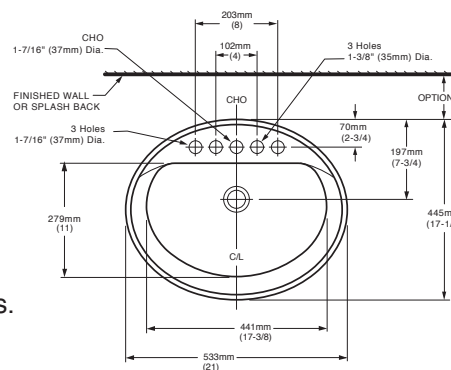
**Bowl sizes:**

441mm (17-3/8") wide, 279mm (11") front to back, 133mm (5-1/4") deep

**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

☒ Colour: **WHITE**☐ Faucet\*:☐ Faucet Finish:☐ Supplies & Stops:☐ Trap 1-1/4" (32 mm):

\* See faucet section for additional models available



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

**MEETS THE AMERICAN DISABILITIES ACT GUIDELINES  
AND ANSI A117.1 REQUIREMENTS FOR PEOPLE WITH  
DISABILITIES**

For Universal Design Options, top of counter may be mounted at 813mm (32") from finished floor to meet ADA and ANSI A117.1 requirements. A 864mm (34") mounting height is required for California Title 24 and other more stringent knee space requirements. A 838mm (33") mounting height is required for Ontario. Check local codes.

**NOTES:**

\* DIMENSIONS SHOWN FOR LOCATION OF SUPPLIES AND "P" TRAP ARE SUGGESTED. FOR COUNTERTOP CUTOUT AND INSTALLATION INSTRUCTIONS USE TEMPLATE SUPPLIED WITH SINK.

FAUCETS NOT INCLUDED AND MUST BE ORDERED SEPARATELY.

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.

BAS-121

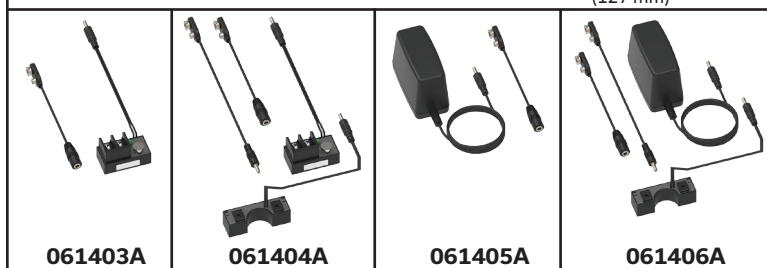
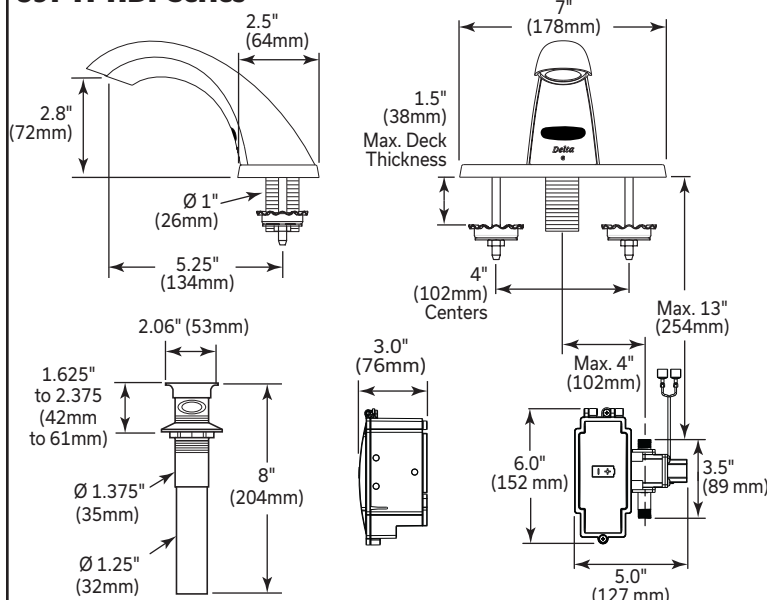
## ELECTRONIC LAVATORY FAUCETS



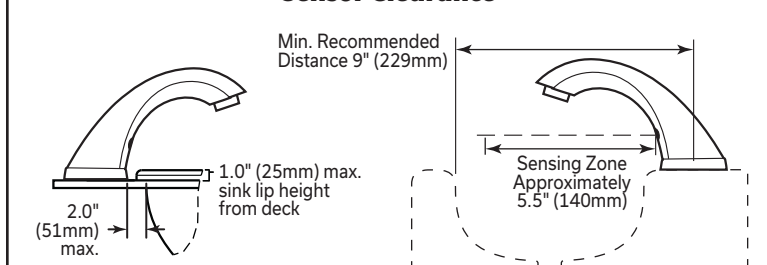
**SUBMITTED MODEL NO.:**

### SPECIFIC FEATURES:

## 591-TF HDF Series



## Sensor Clearance



- ☐ **Delta Innovations® Electronic Faucet**
- ☐ **Deck Mount**
- ☐ **Single and 3 Hole Sink Applications**
- ☐ **Electronic Battery Operated**
- ☐ **Convertible to Hardwire or Plug-In Operation with Battery backup options**


### STANDARD SPECIFICATIONS:

- Hands free (touchless) on/off activation
- H2Optics® technology. No external adjustments required
- All metal faucet construction
- No lift rod hole
- Integrated faucet hose (included)
- 0.5 gpm (1.9 L/min) vandal resistant laminar outlet
- Powered by 4 "C" batteries
- When the battery level is low the LED will blink
- Operates with a 45 second maximum run time. Will reset once obstruction is removed
- Serviceable filter screen upstream of the valve
- Model 591-TFHDF Series – 4" (102 mm) centers. 2 1/2" x 7" (64 mm x 178 mm) coverplate with locking mechanism (anti-rotation)
- Convertible to Hardwire using 590-TF HDF Hardwire conversion kit (061403A) and standard transformer (120 VAC to 24 VAC) (060704A)
- Convertible to Hardwire with Battery Backup using 590-TF HDF Hardwire with Battery Backup conversion kit (061404A) and standard transformer (120 VAC to 24 VAC) (060704A)
- Convertible to Plug-In using 590-TF HDF Plug-In conversion kit (061405A)
- Convertible to Plug-In with Battery Backup using 590-TF HDF Plug-In with Battery backup conversion kit (061406A)
- Optional 24" Extension Cable (061298A)
- Optional 8" Coverplate for field conversion (RP34280)
- Optional 1" extension kit (RP36203)
- Multi-sink ganging to single Plug-in power supply using ganging cable (063272A) and battery cable snap adapter (061400A)

**NOTICE**

- For optimum performance of this product, we recommend a system pressure between 20 and 80 PSI static. This product will operate up to a maximum of 125 PSI static per ANSI and CSA requirements. However, we do not recommend pressures above 80 PSI. Thermal expansion or leaking pressure reducing valves may require use of expansion tanks or relief valves to ensure your system never exceeds its maximum intended pressure setting.
- Designed for routine 171°F (77°C) disinfection cycles up to 30 minutes.

**COMPLIES WITH:**

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

Refer to [www.specselect.com](http://www.specselect.com) for individual models.

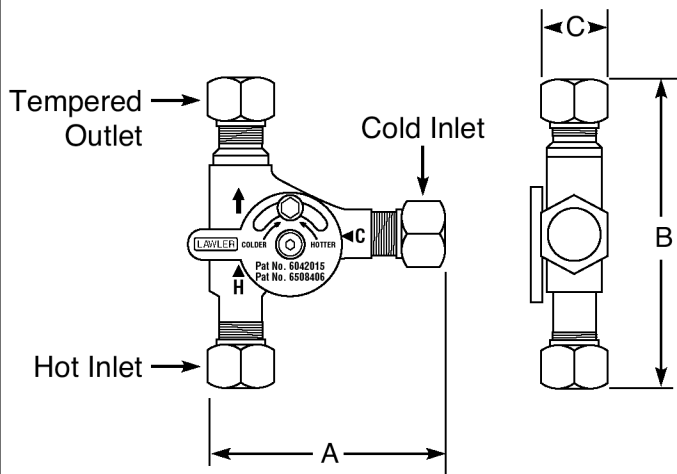
Delta Faucet reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or [www.specselect.com](http://www.specselect.com) for finish options and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

Flow Rates are at 60 PSI.

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

**DSP-590-TFHDF, Rev. B**

ENG. NO. 86800-B  
 PAT. NO. 6,042,015.  
 PAT. NO. 6,508,406.  
 PAT. NO. 7,175,100.



# Mechanical Mixing Valve with Thermostatic Limit Stop

## Model TMM - 1070 Lead Free

### Unit No. 87500 ( $\frac{3}{8}$ "



Inlets & Outlet are  $\frac{3}{8}$ " compression fittings

Checks included within inlets

**ASSE 1070 Approved**

The point of use mixing valve shall be a mechanical mixing valve with a high temperature limit stop with automatic reset. The mixing valve shall have compression fittings and a means to adjust outlet temperature. Valve construction will include a bronze body and integral back flow checks. The mixing valve shall be Lawler model TMM-1070.

#### Specifications

- Hot water supply temperature: 140°F max.
- Water supply pressure (static): 125 psi max.
- Flow rate @ 45 psi: 2.1 gal/minute min.
- Shut off temperature: 118°F +/-3°F.
- Min. operating pressure: 5 psi.
- Integral rubber duck-bill back-flow checks.
- Pressure must be equal between supplies.

#### Benefits

- Automatically shuts down flow of water when temperature reaches 120°F.
- Protects against scalding and chilling.
- Offers choice of temperature settings from full cold through 115°F.
- Easy installation.
- Backed by Lawler's One Year Warranty.

Engineer Approval ☐



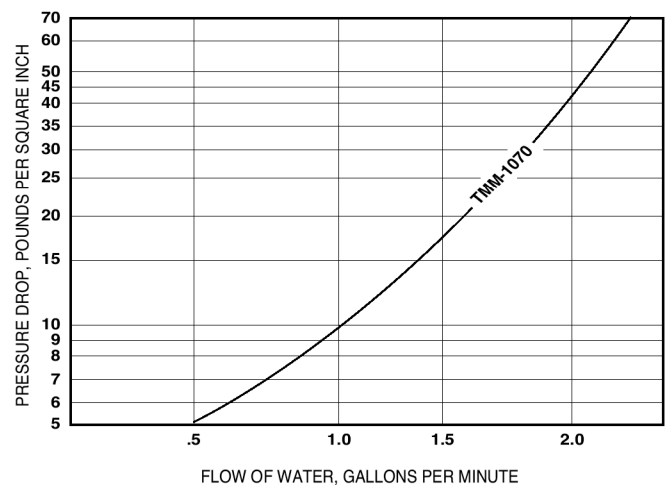
**MANUFACTURING CO., INC.**

5330 East 25th Street  
 Indianapolis, Indiana 46218  
 Phone (317) 261-1212  
 Fax (317) 261-1208

#### DIMENSIONS:

Valve Number	A	B	C
TMM-1070	2 $\frac{1}{8}$ "	3 $\frac{5}{16}$ "	$\frac{7}{8}$ "

FLOW CAPACITIES SINGLE STAGE - MODEL TMM-1070



#### CAPACITIES - MODEL TMM-1070

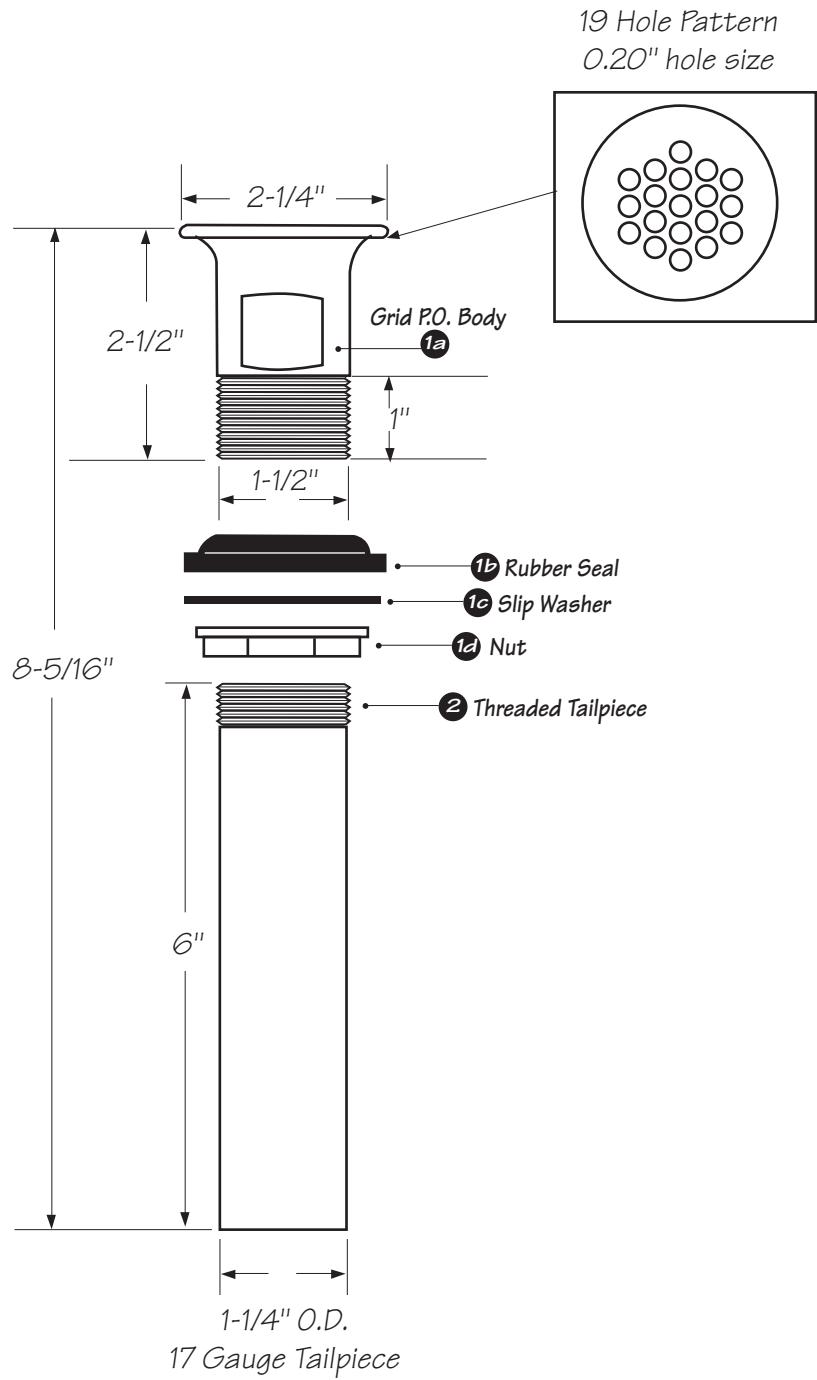
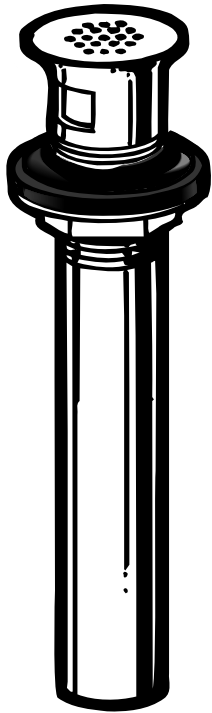
Pressure Drop PSI	5	10	20	40
Valve Number	Capacity			
TMM-1070-GPM	.5	1	1.6	1.9
TMM-1070-LPM	1.8	3.7	6	7

#### Temperature Adjustment

The temperature adjusting dial is located on the cold inlet. Turning the dial clockwise will lower the outlet temperature, turning the dial counter-clockwise will raise it. The valve cannot be adjusted above its shut-off temperature of 120°F.

**Note:** For ASSE 1070 applications.

Design and specification subject to change without notice.



1	370	Grid P.O. Body Assembly	<div>OS&amp;B</div> <div>OAKVILLE STAMPING &amp; BENDING</div>		
			Date: March 31/00	Approved by:	Drawn by: S.Black
2	4831-6	17 Gauge Tailpiece	Scale: not to scale		Revision: 01
			Product: P.O. Plug		Number: 3700





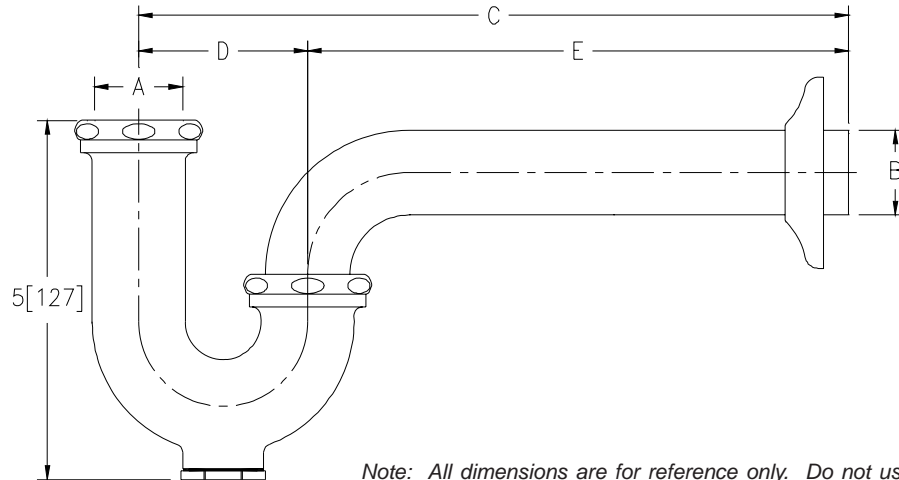
# SEMI-CAST P-TRAPS WITH WALL BEND

## Z8700-PC TO Z8708-PC

### TAG \_\_\_\_\_



**Engineering Specification:** Zurn Z8700-PC to Z8708-PC. – Chrome-plated cast brass (copper alloy) body P-trap with cleanout, tubular brass wall bend as specified, die-cast nuts, and shallow escutcheon with compression inlet.



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

PRODUCT NUMBER	A INLET in[mm]	B OUTLET in[mm]	GAUGE	DIMENSIONS			MASTER CARTON	WEIGHT CARTON [lbs]
				C in[mm]	D in[mm]	E in[mm]		
Z8700-PC	1 1/4[32]	1 1/4[32]	17	10[254]	2 1/2[64]	7 1/2[191]	12	24
Z8700-8-PC	1 1/4[32]	1 1/4[32]	17	11[279]	2 1/2[64]	8 1/2[216]	12	24
Z8700-15-PC	1 1/4[32]	1 1/4[32]	17	15[381]	2 1/2[64]	12 1/2[318]	18	40
Z8701-PC	1 1/4[32]	1 1/2[38]	17	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8701-9-PC	1 1/4[32]	1 1/2[38]	17	12[305]	3[76]	9[229]	12	24
Z8701-15-PC	1 1/4[32]	1 1/2[38]	17	15[381]	3[76]	12[305]	18	42
Z8702-PC*	1 1/2[38]	1 1/2[38]	17	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8702-9-PC*	1 1/2[38]	1 1/2[38]	17	12[305]	3[76]	9[229]	12	24
Z8702-15-PC*	1 1/2[38]	1 1/2[38]	17	15[381]	3[76]	12[305]	18	42
Z8703B-PC**	1 1/2[38]	2[51]	17	12 1/2[318]	3 1/2[89]	9[229]	6	18
Z8704B-PC**	2[51]	2[51]	17	12 1/2[318]	3 1/2[89]	9[229]	6	18
Z8706-PC	1 1/4[32]	1 1/4[32]	20	10[254]	2 1/2[64]	7 1/2[191]	12	24
Z8707-PC	1 1/4[32]	1 1/2[38]	20	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8708-PC*	1 1/2[38]	1 1/2[38]	20	10 1/2[267]	3[76]	7 1/2[191]	12	24

#### OPTIONAL ACCESSORIES

Suffix	Description
___ -B	Brass Nuts
___ -BX	Box Escutcheon
___ -CE	Cast Brass Escutcheon with Setscrew
___ -D	Deep Escutcheon (Note = not available for Z8703B-PC and Z8704B-PC)
___ -J	Metal to Metal Ground Joint Connection
___ -WC	Waste Connections - Compression
___ -15	15[381] C Dim. 1 1/4[32] and 1 1/2[38] Only
___ -18	18[457] C Dim. 1 1/4[32] and 1 1/2[38] Only

\* COMES WITH OPTIONAL 1-1/2" x 1-1/4" REDUCTION POLY-WASHER FOR INLET

\*\* SHIPPED WITH BRASS NUTS UNLESS OTHERWISE SPECIFIED

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

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

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



# American Standard

Style That Works Better



## BARRIER FREE

# MURRO™ UNIVERSAL DESIGN WALL-HUNG SINK WITH EVERCLEAN

VITREOUS CHINA

## MURRO™ UNIVERSAL DESIGN WALL-HUNG SINK WITH EVERCLEAN

- Vitreous chinawith EverClean
- Available with rear and sealed overflow
- Recessed self-draining deck
- For concealed arm or wall support
- Mounting kit included or concealed arm support (by others)
- Shown with optional shroud/knee contact guard 0059 020EC available



### 0954 004EC (Illustrated)

Faucet holes on 102mm (4") Centres



### 0954 123EC Extra RH Hole

Faucet holes on 102mm (4") Centres



### 0954 121EC Extra LH Hole

Faucet holes on 102mm (4") Centres



### 0954 904EC Less Overflow

Faucet holes on 102mm (4") Centres



### 0958 008EC

Faucet holes on 203mm (8") Centres



### 0958 908EC Less Overflow

Faucet holes on 203mm (8") Centres



### 0955 001EC Centre hole only



### 0955 123EC CHO with extra RH Hole



### 0955 121EC CHO with extra LH Hole



### 0955 901EC CHO Less Overflow

Nominal Dimensions: 520mm (20-1/2") deep,  
540mm (21-1/4") wide

Bowl sizes:

394mm (15-1/2") wide, 343mm (13-1/2")  
front to back, 127mm (5") deep



### 0059 020EC Shroud/Knee Contact Guard (Must be specified separately)

### Compliance Certifications -

### Meets or Exceeds the Following Specifications:

- ASME A112.19.2M for Vitreous China Fixtures
- cUPC/CSA B45.1-2008
- 1995 National Building Code, section 3.7 and CAN/CSA-B651-M90 and OBC 3.7.

### To Be Specified

✓ Colour: WHITE

✓ Optional Shroud/Knee Contact guard: 0059 020EC

□ Faucet\* and Faucet Finish:

□ Supplies & Trap 1-1/4":

□ Concealed Arm Support Carrier (by others)

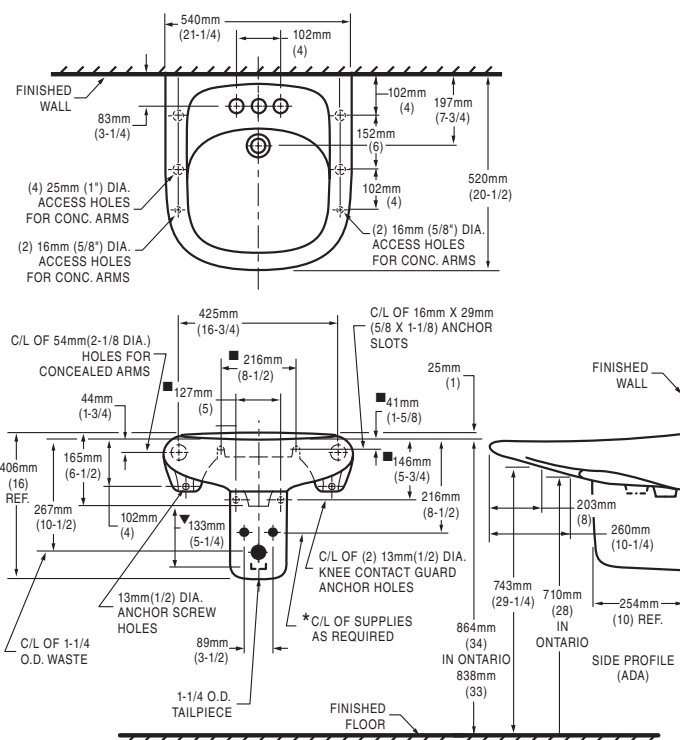
\* See faucet section for additional models available



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

**MEETS THE AMERICAN DISABILITIES ACT GUIDELINES  
AND ANSI A117.1 REQUIREMENTS FOR PEOPLE WITH  
DISABILITIES**

For Universal Design Options, top of rim may be mounted at 813mm (32") from finished floor to meet ADA and ANSI A117.1 requirements. A 864mm (34") mounting height is required for California Title 24 and other more stringent knee space requirements. A 838mm (33") mounting height is required for Ontario. Check local codes.



### NOTES:

- ★ LOOSE KEY ANGLE STOPS, LESS WALL ESCUTCHEONS. SUPPLIES REQUIRED. SHROUD/KNEE CONTACT GUARD 0059 020EC NOT INCLUDED AND MUST BE ORDERED SEPARATELY.

- SUITABLE FOR REINFORCEMENT ONLY, ACTUAL DIMENSIONS MUST BE TAKEN FROM FIXTURE.

DIMENSIONS SHOWN FOR LOCATION OF SUPPLIES AND "P" TRAP ARE SUGGESTED. FAUCETS 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.



# MURRO™ UNIVERSAL DESIGN WALL-HUNG LAVATORY WITH EVERCLEAN®



VITREOUS CHINA/ACRYLIC

## MURRO™ UNIVERSAL DESIGN WALL-HUNG LAVATORY WITH EVERCLEAN®

- Vitreous china with EverClean
- Available with rear overflow or less overflow
- Recessed self-draining deck
- For concealed arm or wall support
- Optional vitreous china shroud/knee contact guard  
**0059.020EC** available
- Optional acrylic shroud/knee contact guard  
0062.000 available
- ADA and TAS compliant

- ☐ **0954.004EC** Faucet holes on 102mm (4") Ctrs with overflow (Illustrated)
- ☐ **0954.123EC** Faucet holes on 102mm (4") Ctrs with overflow
  - Extra right-hand hole
- ☐ **0954.121EC** Faucet holes on 102mm (4") Ctrs with overflow
  - Extra left-hand hole
- ☐ **0954.904EC** Faucet holes on 102mm (4") Ctrs less overflow
- ☐ **0958.008EC** Faucet holes on 203mm (8") Ctrs with overflow
- ☐ **0958.908EC** Faucet holes on 203mm (8") Ctrs less overflow
- ☐ **0955.001EC** Center hole only with overflow
- ☐ **0955.123EC** Center hole only with overflow
  - Extra right-hand hole
- ☐ **0955.121EC** Center hole only with overflow
  - Extra left-hand hole
- ☐ **0955.901EC** Center hole only less overflow

### Nominal Dimensions:

520mm (20.5") deep, 540mm (21-1/4") wide

### Bowl sizes:

394mm (15-1/2") wide, 343mm (13-1/2") front to back, 127mm (5") deep

- ☐ **0062.000 Acrylic Shroud/Knee Contact Guard**  
(Must be purchased separately)

- ☒ **0059.020EC Shroud/Knee Contact Guard**  
(Vitreous China with EverClean)  
(Must be purchased separately)



Shown with 0062.000 shroud



Shown with **0059.020EC** shroud

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

### To Be Specified:

- ☒ Color: **White**
- ☐ Optional Acrylic Shroud/Knee Contact Guard: 0062.000
- ☐ Optional Vitreous China Shroud/Knee Contact Guard: 0059.020EC
- ☐ Faucet\*:
- ☐ Faucet Finish:
- ☐ Supplies:
- ☐ 1-1/4" Trap:
- ☐ Nipple:

\* See faucet section for additional models available

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

- ASME A112.19.2 for Vitreous China Fixtures



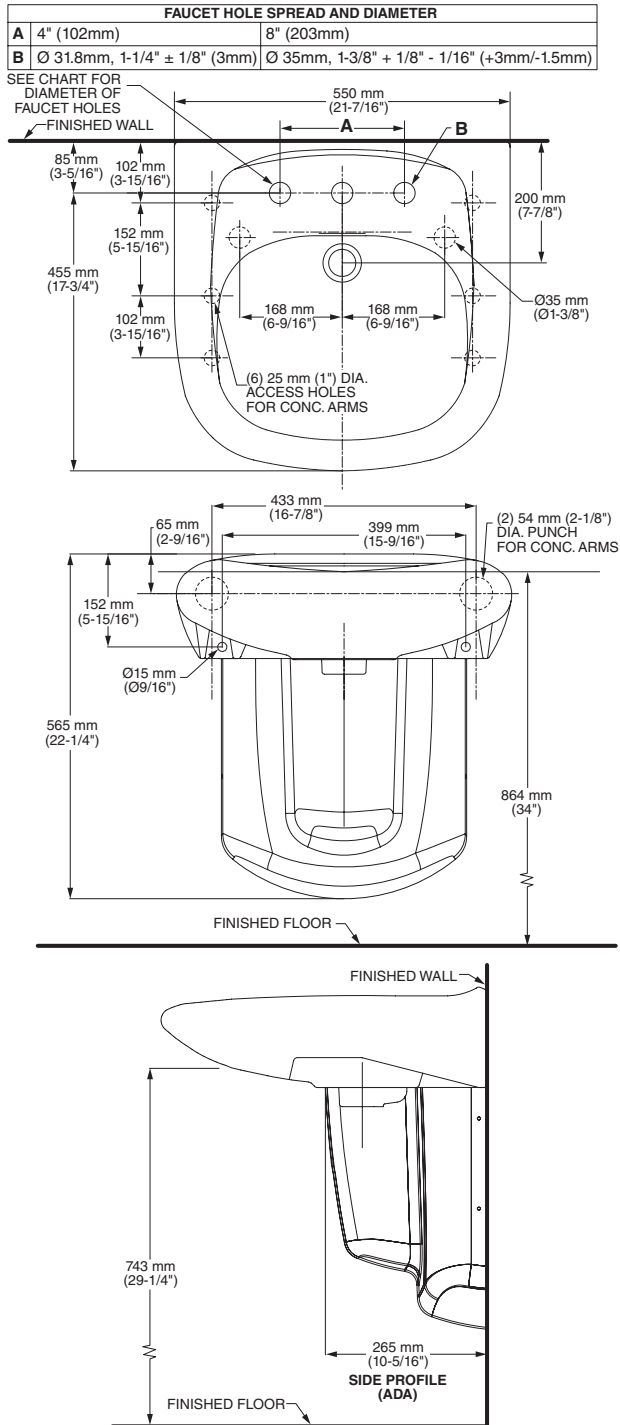
MEETS THE AMERICANS WITH DISABILITIES ACT GUIDE-  
LINES AND ANSI A117.1 ACCESSIBLE AND USABLE  
BUILDINGS AND FACILITIES - CHECK LOCAL CODES.  
Top of front rim mounted 864mm (34") from finished floor.

*American  
Standard*

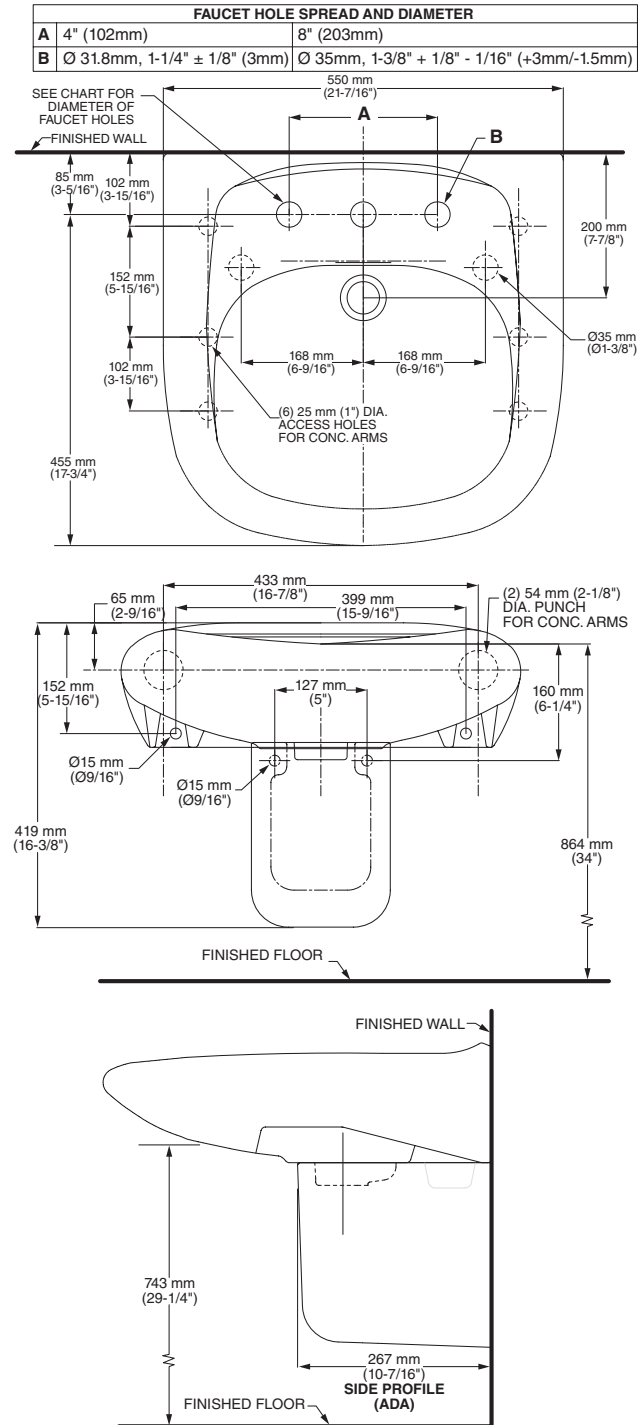
# MURRO™ UNIVERSAL DESIGN WALL-HUNG LAVATORY WITH EVERCLEAN® VITREOUS CHINA/ACRYLIC

 BARRIER FREE

## MURRO WITH ACRYLIC SHROUD



## MURRO WITH VITREOUS CHINA SHROUD



### NOTES:

- LOOSE KEY ANGLE STOPS, LESS WALL ESCUTCHEONS. SUPPLIES REQUIRED.
- \* DIMENSIONS SHOWN FOR LOCATION OF SUPPLIES AND "P" TRAP ARE SUGGESTED.
- SHROUD/KNEE CONTACT GUARD 0059.020 NOT INCLUDED AND MUST BE ORDERED SEPARATELY.
- SUITABLE FOR REINFORCEMENT ONLY, ACTUAL DIMENSIONS MUST BE TAKEN FROM FIXTURE.
- FITTINGS NOT INCLUDED AND MUST BE ORDERED SEPARATELY.
- PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.
- INSTALLATION INSTRUCTIONS SUPPLIED WITH LAVATORY.

**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.

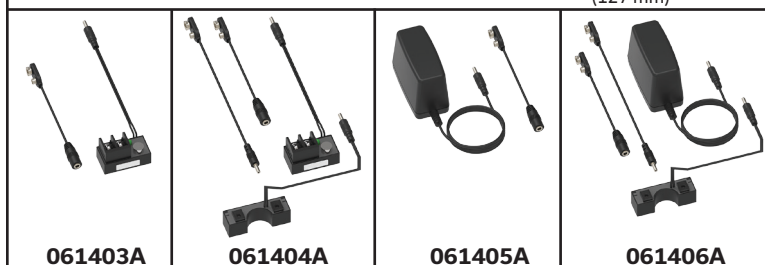
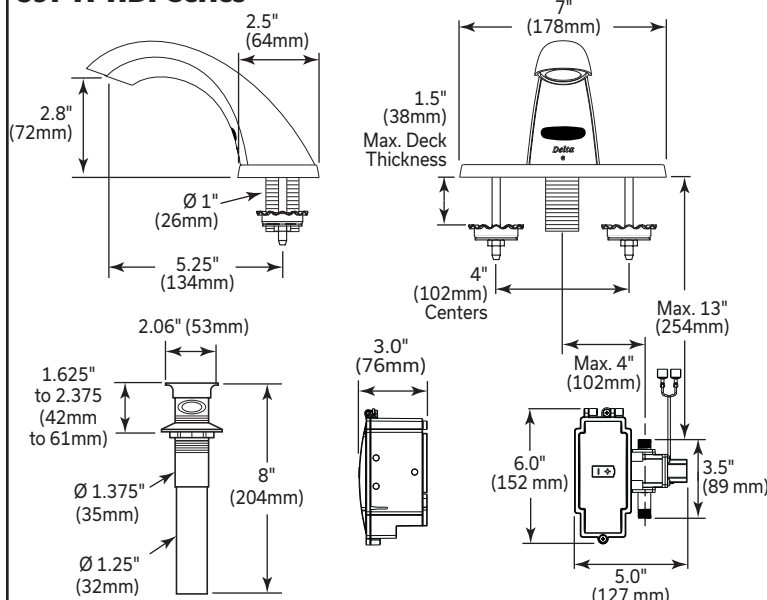

**COMMERCIAL**

## ELECTRONIC LAVATORY FAUCETS

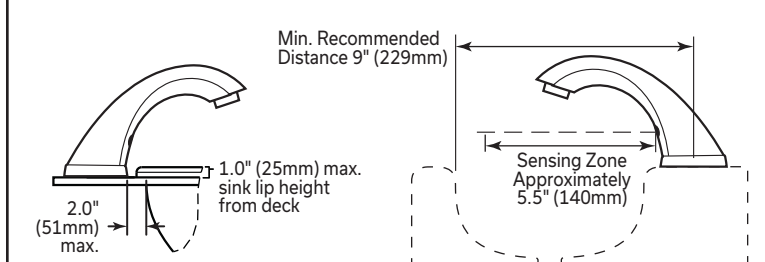

**SUBMITTED MODEL NO.:** \_\_\_\_\_

**SPECIFIC FEATURES:** \_\_\_\_\_

### 591-TF HDF Series



### Sensor Clearance



- ☐ **Delta Innovations® Electronic Faucet**
- ☐ **Deck Mount**
- ☐ **Single and 3 Hole Sink Applications**
- ☐ **Electronic Battery Operated**
- ☐ **Convertible to Hardwire or Plug-In Operation with Battery backup options**

### STANDARD SPECIFICATIONS:

- Hands free (touchless) on/off activation
- H2Optics® technology. No external adjustments required
- All metal faucet construction
- No lift rod hole
- Integrated faucet hose (included)
- 0.5 gpm (1.9 L/min) vandal resistant laminar outlet
- Powered by 4 "C" batteries
- When the battery level is low the LED will blink
- Operates with a 45 second maximum run time. Will reset once obstruction is removed
- Serviceable filter screen upstream of the valve
- Model 591-TFHDF Series – 4" (102 mm) centers. 2 1/2" x 7" (64 mm x 178 mm) coverplate with locking mechanism (anti-rotation)
- Convertible to Hardwire using 590-TF HDF Hardwire conversion kit (061403A) and standard transformer (120 VAC to 24 VAC) (060704A)
- Convertible to Hardwire with Battery Backup using 590-TF HDF Hardwire with Battery Backup conversion kit (061404A) and standard transformer (120 VAC to 24 VAC) (060704A)
- Convertible to Plug-In using 590-TF HDF Plug-In conversion kit (061405A)
- Convertible to Plug-In with Battery Backup using 590-TF HDF Plug-In with Battery backup conversion kit (061406A)
- Optional 24" Extension Cable (061298A)
- Optional 8" Coverplate for field conversion (RP34280)
- Optional 1" extension kit (RP36203)
- Multi-sink ganging to single Plug-in power supply using ganging cable (063272A) and battery cable snap adapter (061400A)

### NOTICE

- For optimum performance of this product, we recommend a system pressure between 20 and 80 PSI static. This product will operate up to a maximum of 125 PSI static per ANSI and CSA requirements. However, we do not recommend pressures above 80 PSI. Thermal expansion or leaking pressure reducing valves may require use of expansion tanks or relief valves to ensure your system never exceeds its maximum intended pressure setting.
- Designed for routine 171° F (77°C) disinfection cycles up to 30 minutes.

### COMPLIES WITH:

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

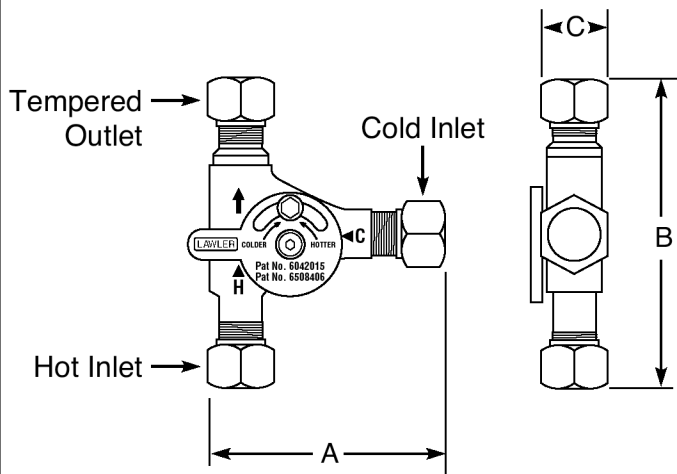
Refer to [www.specselect.com](http://www.specselect.com) for individual models.

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 or [www.specselect.com](http://www.specselect.com) for finish options and product availability.

**NOTICE** Flow Rates are at 60 PSI. Use all pages as product submittal sheets.

**DSP-590-TFHDF, Rev. B**

ENG. NO. 86800-B  
 PAT. NO. 6,042,015.  
 PAT. NO. 6,508,406.  
 PAT. NO. 7,175,100.



# Mechanical Mixing Valve with Thermostatic Limit Stop

## Model TMM - 1070 Lead Free

### Unit No. 87500 ( $\frac{3}{8}$ "



Inlets & Outlet are  $\frac{3}{8}$ " compression fittings

Checks included within inlets

**ASSE 1070 Approved**

The point of use mixing valve shall be a mechanical mixing valve with a high temperature limit stop with automatic reset. The mixing valve shall have compression fittings and a means to adjust outlet temperature. Valve construction will include a bronze body and integral back flow checks. The mixing valve shall be Lawler model TMM-1070.

#### Specifications

- Hot water supply temperature: 140°F max.
- Water supply pressure (static): 125 psi max.
- Flow rate @ 45 psi: 2.1 gal/minute min.
- Shut off temperature: 118°F +/-3°F.
- Min. operating pressure: 5 psi.
- Integral rubber duck-bill back-flow checks.
- Pressure must be equal between supplies.

#### Benefits

- Automatically shuts down flow of water when temperature reaches 120°F.
- Protects against scalding and chilling.
- Offers choice of temperature settings from full cold through 115°F.
- Easy installation.
- Backed by Lawler's One Year Warranty.

Engineer Approval ☐



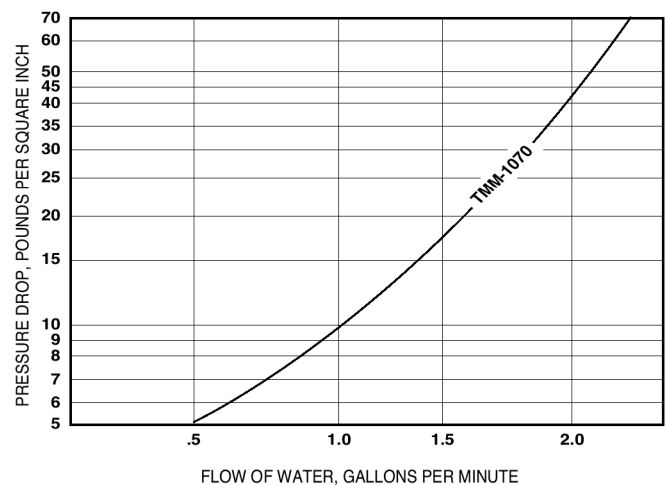
**MANUFACTURING CO., INC.**

5330 East 25th Street  
 Indianapolis, Indiana 46218  
 Phone (317) 261-1212  
 Fax (317) 261-1208

#### DIMENSIONS:

Valve Number	A	B	C
TMM-1070	2 $\frac{1}{8}$ "	3 $\frac{5}{16}$ "	$\frac{7}{8}$ "

FLOW CAPACITIES SINGLE STAGE - MODEL TMM-1070



#### CAPACITIES - MODEL TMM-1070

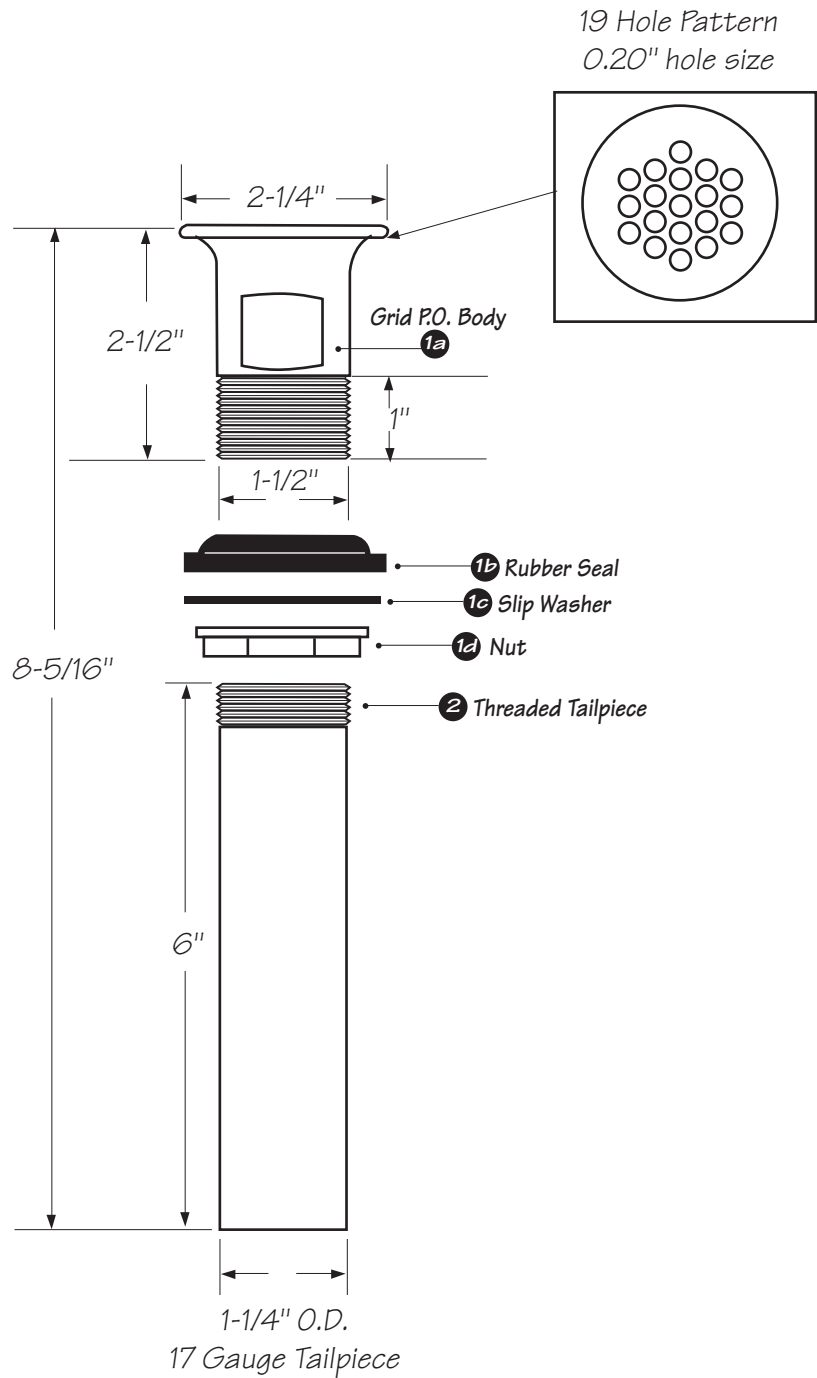
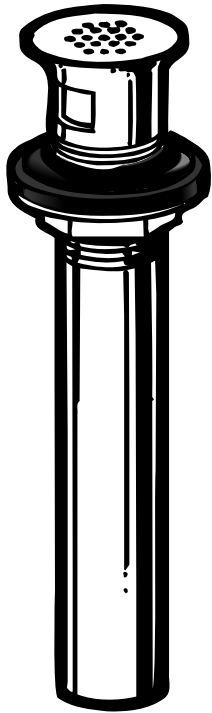
Pressure Drop PSI	5	10	20	40
Valve Number	Capacity			
TMM-1070-GPM	.5	1	1.6	1.9
TMM-1070-LPM	1.8	3.7	6	7

#### Temperature Adjustment

The temperature adjusting dial is located on the cold inlet. Turning the dial clockwise will lower the outlet temperature, turning the dial counter-clockwise will raise it. The valve cannot be adjusted above its shut-off temperature of 120°F.

**Note:** For ASSE 1070 applications.

Design and specification subject to change without notice.



1	370	Grid P.O. Body Assembly	<div>OS&amp;B</div> <div>OAKVILLE STAMPING &amp; BENDING</div>		
			Date: March 31/00	Approved by:	Drawn by: S.Black
2	4831-6	17 Gauge Tailpiece	Scale: not to scale		Revision: 01
			Product: P.O. Plug		Number: 3700





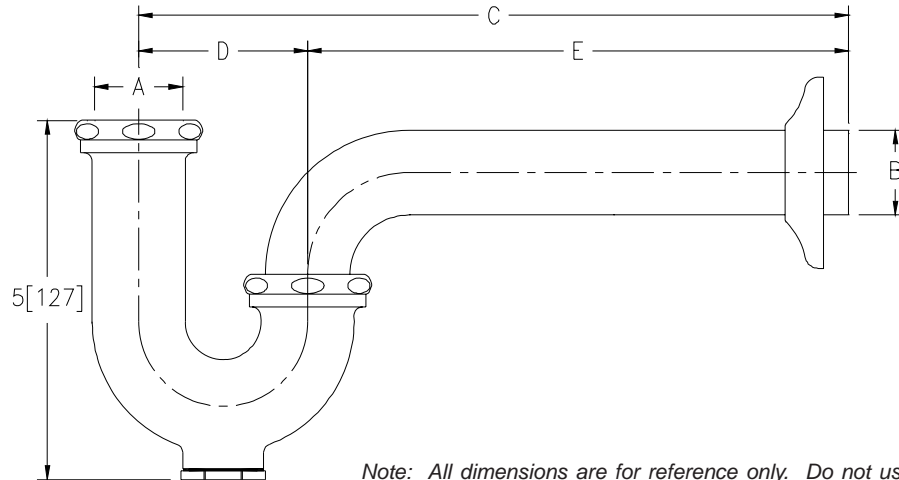
# SEMI-CAST P-TRAPS WITH WALL BEND

## Z8700-PC TO Z8708-PC

### TAG \_\_\_\_\_



**Engineering Specification:** Zurn Z8700-PC to Z8708-PC. – Chrome-plated cast brass (copper alloy) body P-trap with cleanout, tubular brass wall bend as specified, die-cast nuts, and shallow escutcheon with compression inlet.



PRODUCT NUMBER	A INLET in[mm]	B OUTLET in[mm]	GAUGE	DIMENSIONS			MASTER CARTON	WEIGHT CARTON [lbs]
				C in[mm]	D in[mm]	E in[mm]		
Z8700-PC	1 1/4[32]	1 1/4[32]	17	10[254]	2 1/2[64]	7 1/2[191]	12	24
Z8700-8-PC	1 1/4[32]	1 1/4[32]	17	11[279]	2 1/2[64]	8 1/2[216]	12	24
Z8700-15-PC	1 1/4[32]	1 1/4[32]	17	15[381]	2 1/2[64]	12 1/2[318]	18	40
Z8701-PC	1 1/4[32]	1 1/2[38]	17	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8701-9-PC	1 1/4[32]	1 1/2[38]	17	12[305]	3[76]	9[229]	12	24
Z8701-15-PC	1 1/4[32]	1 1/2[38]	17	15[381]	3[76]	12[305]	18	42
Z8702-PC*	1 1/2[38]	1 1/2[38]	17	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8702-9-PC*	1 1/2[38]	1 1/2[38]	17	12[305]	3[76]	9[229]	12	24
Z8702-15-PC*	1 1/2[38]	1 1/2[38]	17	15[381]	3[76]	12[305]	18	42
Z8703B-PC**	1 1/2[38]	2[51]	17	12 1/2[318]	3 1/2[89]	9[229]	6	18
Z8704B-PC**	2[51]	2[51]	17	12 1/2[318]	3 1/2[89]	9[229]	6	18
Z8706-PC	1 1/4[32]	1 1/4[32]	20	10[254]	2 1/2[64]	7 1/2[191]	12	24
Z8707-PC	1 1/4[32]	1 1/2[38]	20	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8708-PC*	1 1/2[38]	1 1/2[38]	20	10 1/2[267]	3[76]	7 1/2[191]	12	24

#### OPTIONAL ACCESSORIES

Suffix	Description
____ -B	Brass Nuts
____ -BX	Box Escutcheon
____ -CE	Cast Brass Escutcheon with Setscrew
____ -D	Deep Escutcheon (Note = not available for Z8703B-PC and Z8704B-PC)
____ -J	Metal to Metal Ground Joint Connection
____ -WC	Waste Connections - Compression
____ -15	15[381] C Dim. 1 1/4[32] and 1 1/2[38] Only
____ -18	18[457] C Dim. 1 1/4[32] and 1 1/2[38] Only

\* COMES WITH OPTIONAL 1-1/2" x 1-1/4" REDUCTION POLY-WASHER FOR INLET

\*\* SHIPPED WITH BRASS NUTS UNLESS OTHERWISE SPECIFIED

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

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

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

## Accessories – 590 Series

**HDF®**  
**COMMERCIAL**


### RP32508 – Hardwire Transformer ✓

#### Specifications

**General:** Supplies power for up to 10 Delta Commercial 590, 591 and 596 Series electronic units already converted to hardwire

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

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

**Maximum Output Current:** 800 mA

**Operating Temperature Range:** 130°C Maximum Temperature

**Physical Connections:** Universal Mounting Clip

**Wire Size:** #18 AWG

**Wire Length:** 11.75"

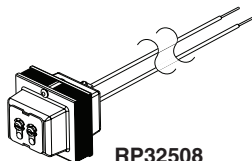
**Wire Ends:** Stripped (Black/White)

**Terminals:** Screw Type #6 Universal Pan Head

**Safety Approval:** UL Listed Class 2

CSA Certified

Class B Insulation System



RP32508

NOTE: "AS REQUIRED" ✓

### RP32856 – Plug-In Transformer

#### Specifications

**General:** Supplies power for up to 10 Delta Commercial 590, 591 and 596 Series electronic units already converted to hardwire

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

**Output Voltage (unloaded):** 24 VAC  $\pm$  5% @ 19.2 VA

**Maximum Output Current:** 800 mA

**Operating Temperature Range:** -10°C to 40°C

**Physical Connections:** Plug-In Connection

**Terminals:** Screw Type #6 Universal Pan Head

**Safety Approval:** UL Listed

CSA Certified



RP32856

### 060683A – Hardwire Converter

#### Specifications

**General:** Converts Delta Commercial 590, 591 and 596 Series battery electronic faucets to hardwire

**Input Voltage:** 24 VAC @ 60 Hz

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

**Maximum Output Current:** 150 mA

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

**Physical Connections:** #22 AWG Stripped Primary Connection / 9 VDC Snap Secondary Connection

**Wire Size:** #22 AWG

**Wire Length:** 18.0"

**Wire Ends:** PVC jacket removal should be 2.25"  $\pm$  .50" and strip length of wires should be .375" typical

### 061047A – Hardwire Converter with Battery Backup

(See DSP-BB for detailed specification – found in "Add-On Option" section when using printed spec binder)

#### Specifications

**Input Voltage:** 24 VAC @ 60 Hz (From Transformer)

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

**Maximum Output Current:** 150 mA

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

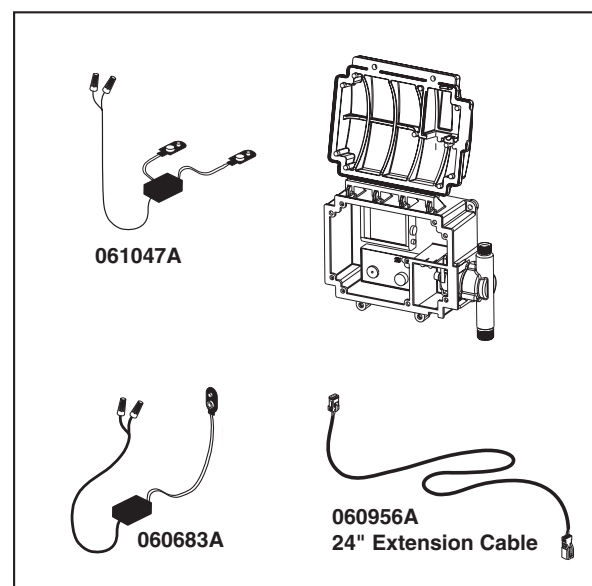
**Battery Backup:** with 9V Battery

**Physical Connections:** #22 AWG Stripped Primary Connection / 9 VDC Snap Secondary Connection

**Wire Size:** #22 AWG

**Wire Length:** 12"

**Wire Ends:** PVC jacket removal should be 2.25"  $\pm$  0.50" and strip length of wires should be 0.375" typical







## Meridian® 3763 Series

### Three Station Meridian® Corterra® Counter-Lav



**CONTROLS**  
INSIDE

3763-OCC50-SM-H1-LBS-RSA

Fixture May Show Some Available Options



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

### Three Station Meridian® Corterra® Counter-Lav

**Meridian® Corterra® Counter-Lavs** combine the look of granite countertops with the feel of designer Basins. These commercial-grade fixtures provide both the durability and economy of group fixtures. Additionally, the Corterra® Counter-Lavs provide a single source specification for all Faucets, Basins, Countertops and Drain fittings. Standard units are provided as Countertops only without Basins or openings. Each Corterra® Counter-Lav complies with ANSI, UFAS and ADA requirements. Compliance is subject to the interpretation and requirements of the local code authority.

**Countertops** are constructed of Corterra® solid surface polymer resin. Countertops include a No-Drip Front Edge, 3" Front Apron, and a 4" high Backsplash that is shipped loose for field installation by others. Extended Countertop options such as the -ECL Extended Countertop Left and -ECR Extended Countertop Right that results in overall dimensions greater than 120" will require two-piece construction for joining in the field by others. Countertops are optionally available with Side Splash or Side Aprons to suit site conditions.

**Basins** are optionally available and are constructed of Corterra® solid surface polymer resin. Basins include an Integral Overflow and may be specified with color to match or contrast Countertop. Drop-In stainless steel Basins are also available.

**Mixing Valve and Spouts** are optionally available to provide a metered, tempered water supply to each Basin. Spouts may be specified for Hand or Sensor operation and are intended for use with the optional Valve assemblies. Mixing Valve is ASSE 1070 compliant and includes Strainers and Integral Checks. Controls meet ANSI, UFAS and ADA requirements.

**-PDM Pump Type Soap Dispenser** is optionally available for liquid and lotion type Soaps. Dispensers are deck mounted with an under-the-counter Reservoir and top refill feature for ease of maintenance. Not available with -H1, -H24, -H34 or -H38 options. Dispensers meet ANSI, UFAS and ADA requirements.

**Unit Certification** complies with IAPMO IGC 156, CSA B45 Series, ASME A112.18.1/CSA B125.1

**Material Certification:** Corterra® physical properties are in compliance with CSA B45.5/IAPMO Z124 and ANSI/ISCPA SS-1 and is GREENGUARD Gold certified.

### GUIDE SPECIFICATION

Provide and install Corterra® Counter-Lav by Acorn (Specify model number and options). Units installed at 34" standard rim height conform with ANSI, UFAS and ADA requirements. Countertop and Integral Basins to be constructed of Corterra® solid surface polymer resin. Basin to include individual, Integral Overflow. Counter-Lav to be provided complete with the following: ASSE 1070 compliant Mixing Valve assembly, deck mounted Spout, Pushbutton and individual P-Trap.



# Meridian® 3763: Three Station Meridian® Corterra® Counter-Lav

## ASE MODEL NUMBER (Must Specify)

- ☒ 3763 Meridian® Corterra® Counter-Lav  
(90" x 21-3/4" Counter)

## CORTERRA® COLOR OPTIONS (Must Specify)

Color: \_\_\_\_\_  
(Refer to <https://www.acorneng.com/corterra-solid-surface>  
for available colors)

## BASIN OPTIONS (Must Specify)

- ☒ -SM Basin Same Color/Material as Corterra®  
Counter-Lav

### Integral Basin with Contrasting Color Selections:

- ☐ -OCC02A Iverstone (White) Corterra® Basin  
☐ -OCC03A Sahara (Tan) Corterra® Basin  
☐ -RLD Drop-in "D" Shape Stainless Steel Basin  
(-H38 Not Available)

## BASIN OPERATION (Must Specify)

- ☐ -9 Punching for Valves & Spout by Others  
☐ -CSG 4" Centerset Faucet with Gooseneck Spout  
& Wrist Blade Handles includes -H34.  
☐ -H Hand Operation, Specify Valve & Deck  
Mounted Spout  
☐ -PPZ Programmable Piezo Button Electronic  
Metering, Specify Valve & Deck Mounted  
Spout  
☐ -SO Sensor Operation, Specify Valve & Deck  
Mounted Spout  
☐ -SO-BAT Sensor Operation, Battery Powered  
Specify Valve & Deck Mounted Spouts  
(Batteries Not Included)

## BASIN SPOUT OPTIONS (N/A for -9 or -CSG)

- ☐ -DMJ Deck Mounted 'J' Spout  
☐ -DML Deck Mounted 'L' Spout

## BASIN VALVE OPTIONS (N/A for -9 or -CSG)

- ☐ -MXT ASSE 1070 Compliant Valve  
☐ -ST Single Temperature Air-Control Valve

## BASIN VALVE PUNCHING FOR VALVE BY OTHERS

(Must Specify With -9)

(1-5/16" Diameter Hole Punching)

- ☐ -H1 Single Hole; On Center  
☒ -H24 4" Centerset; Two Holes  
☒ -H34 4" Centerset; Three Holes  
☐ -H38 8" Centerset; Three Holes (N/A with -RLD)

## BASIN WASTE OPTIONS

- ☐ -CW Combined Waste w/ Grid Strainer  
☐ -TPT Individual P-Trap w/ Grid Strainer

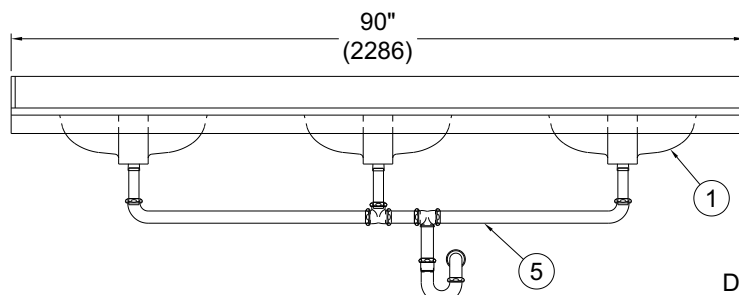
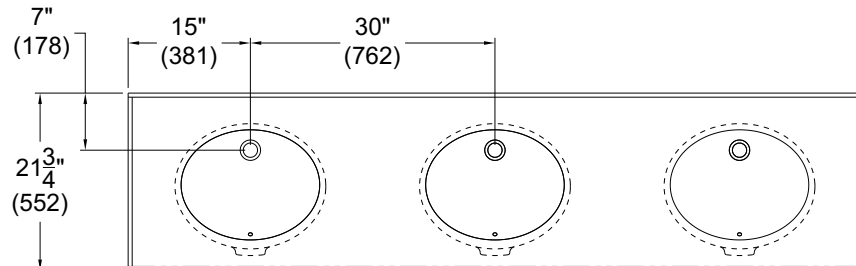
## COUNTERTOP OPTIONS

- ☐ -ECL Extended Countertop - Left Hand,  
Specify \_\_\_\_\_ (120" maximum overall width)  
☐ -ECR Extended Countertop - Right Hand,  
Specify \_\_\_\_\_ (120" maximum overall width)  
☐ -LBS Less Backsplash  
☒ -LSA Left Side Apron  
☒ -LSS Left Side Splash  
☐ -RSA Right Side Apron  
☒ -RSS Right Side Splash

## PRODUCT OPTIONS

- ☒ -LC Mounting Sleeve for Wall Carrier (By Others)  
☐ -MF Mirror Finish Basin (-RLD Basin Option Only)  
☐ -PDM Metering Liquid Soap Dispenser  
(N/A with -H1, -H24, -H34 or -H38 Options)

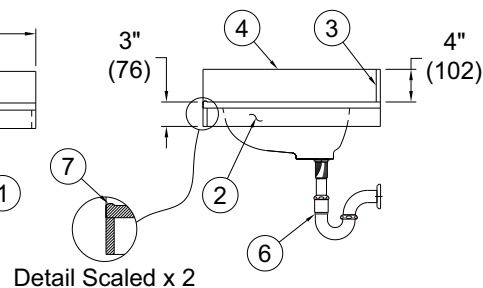
Please visit [www.acorneng.com](http://www.acorneng.com) for most current specifications.



MODEL # 3763-SM-CW-LSS-RSA

## NOTES:

1. Optional -SM Corterra Bowl
2. Optional -RSA Right Side Apron
3. Backsplash Shipped Loose For Field Installation
4. Optional -LSS Left Side Splash
5. Optional -CW Combined Waste
6. Optional -TPT Individual P-Traps
7. No-Drip Front Edge



MODEL # 3763-SM-TPT-LSS-RSA

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

**Important:** Installation instructions and current rough-in are furnished with each fixture. Do not rough in without certified dimensions.  
Dimensions are subject to manufacturer's tolerance of plus or minus 1/4" and change without notice. Acorn assumes no responsibility for use of void or superseded data. © Copyright 2006 Acorn Engineering Company

<p>Selection Summary</p> <p>Model No. &amp; Option _____</p> <p>Quantity _____</p>	<p>Approved for Manufacturing</p> <p>Company _____ Title _____</p> <p>Signature _____ Date _____</p>
--	--


**T&S BRASS AND BRONZE WORKS, INC.**

 2 Saddleback Cove / P.O. Box 1088  
 Travelers Rest, SC 29690

Model No.

**EC-3103-VF05**

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

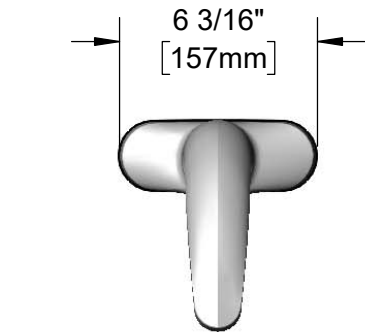
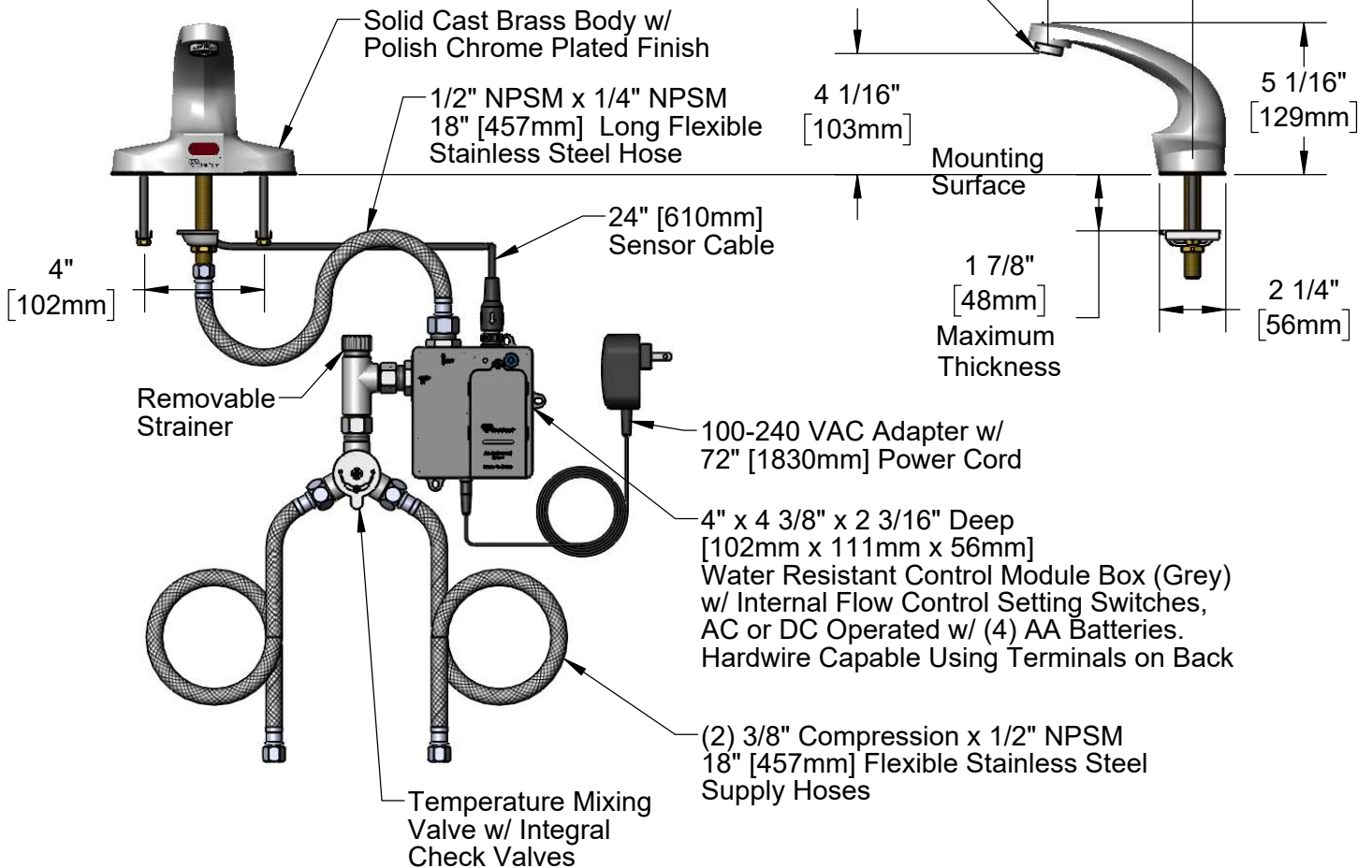
Job Name \_\_\_\_\_ Date \_\_\_\_\_

Model Specified \_\_\_\_\_ Quantity \_\_\_\_\_

Customer/Wholesaler \_\_\_\_\_

Contractor \_\_\_\_\_

Architect/Engineer \_\_\_\_\_


 0.5 GPM [1.9 L/min]  
 Vandal Resistant  
 Non-Aerated Spray Device
**Rough-In Requirement:**

- (1)  $\phi$  1" [25mm] Center Shank Mounting Hole
- (2)  $\phi$  1/2" Mounting Stud Holes on 4" [102mm] Centers

**Product Specifications:**
 Chrome Plated Brass Electronic Faucet: 4" Centerset Deck Mount, Cast Spout  
 w/ 0.5 GPM VR Non-Aerated Spray Device, AC/DC Control Module w/ Internal  
 Flow Control Setting Switches, Temperature Control Mixing Valve w/ Integral  
 Check Valves & 18" Flexible Supply Hoses
**Product Compliance:**
 ASME A112.18.1 / CSA B125.1  
 NSF 61 - Section 9  
 NSF 372 (Low Lead Content)  
 ANSI A117.1 (ADA)  
 UL 1951



# T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088  
Travelers Rest, SC 29690

Model No.

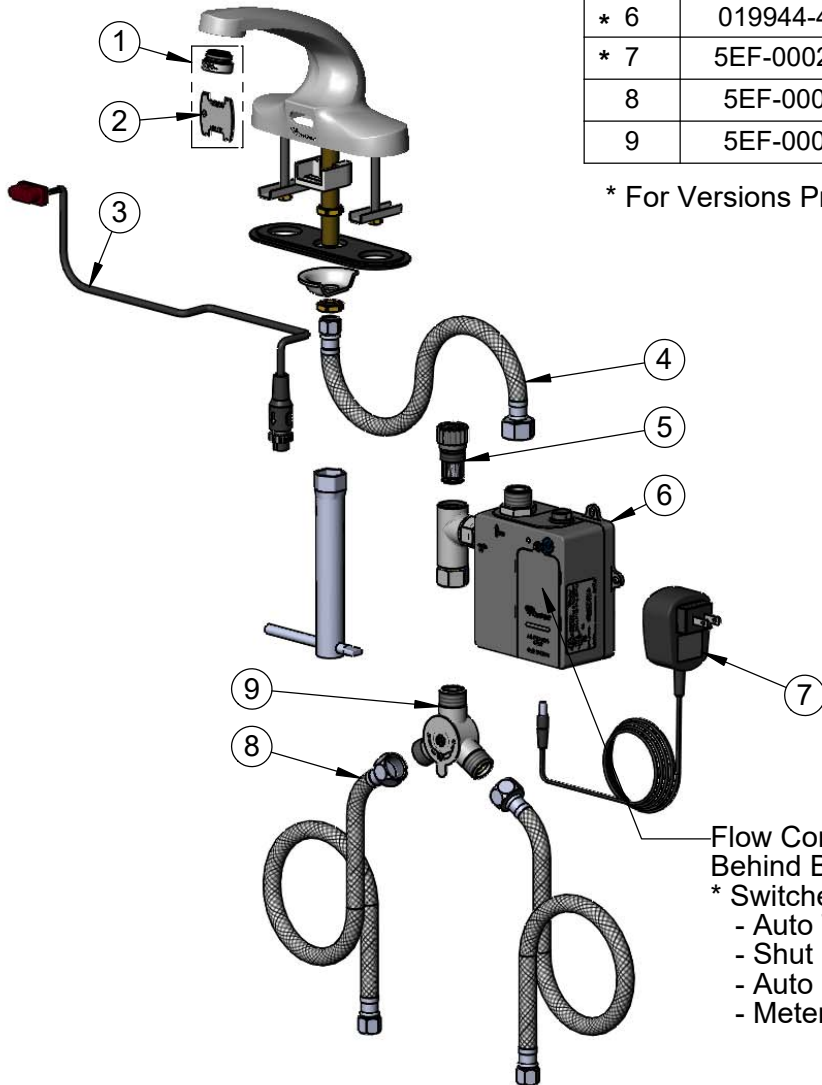
**EC-3103-VF05**

Item No.

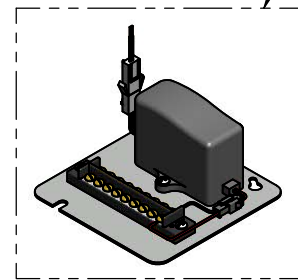
Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

ITEM NO.	SALES NO.	DESCRIPTION
1	B-0199-08-N05	0.5 GPM VR Spray Device, 13/16-27 Male
2	015425-45	Vandal Resistant Key
* 3	019174-45	Sensor Cable Assembly
4	016297-45	Inlet Hose, Faucet, 1/2" NPSM-F x 1/4" NPSM-F
5	EC-FILTER	Replacement Filter
* 6	019944-45	ChekPoint Control Module w/ Filter Tee
* 7	5EF-0002C	AC Adapter - US Plug
8	5EF-0005	Supply Hose, 9/16-24 Female x 1/2" NPSM
9	5EF-0006	Temperature Mixing valve

\* For Versions Prior to 2021, Consult with T&S Customer Service



A Maximum of (8) ChekPoint Faucets can be Hardwire Connected and Powered by EC-HARDWIRE ChekPoint Hardwire AC Transformer. (Sold Separately)



Flow Control DIP Switches are Located Behind Battery Compartment Cover.

\* Switches are Set to DEFAULT Position:

- Auto Time Out = 15 Seconds
- Shut Off Delay = 1 Second
- Auto Flush = OFF
- Metering Mode = OFF

## \*Available Water Flow Control Selections:

- Auto Time Out: 15 sec, 30 sec, 45 sec, 60 sec, 3 min, 20 min
- Shut Off Delay: 1 sec, 10 sec, 15 sec, 30 sec
- Auto Flush (30 Seconds After Every 12 Inactive Hours): ON or OFF
- Metering Mode: ON or OFF

## Product Specifications:

Chrome Plated Brass Electronic Faucet: 4" Centerset Deck Mount, Cast Spout w/ 0.5 GPM VR Non-Aerated Spray Device, AC/DC Control Module w/ Internal Flow Control Setting Switches, Temperature Control Mixing Valve w/ Integral Check Valves & 18" Flexible Supply Hoses

## Product Compliance:

ASME A112.18.1 / CSA B125.1  
NSF 61 - Section 9  
NSF 372 (Low Lead Content)  
ANSI A117.1 (ADA)  
UL 1951



# McGuire Manufacturing Co., Inc.

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

## PRODUCT SPECIFICATION

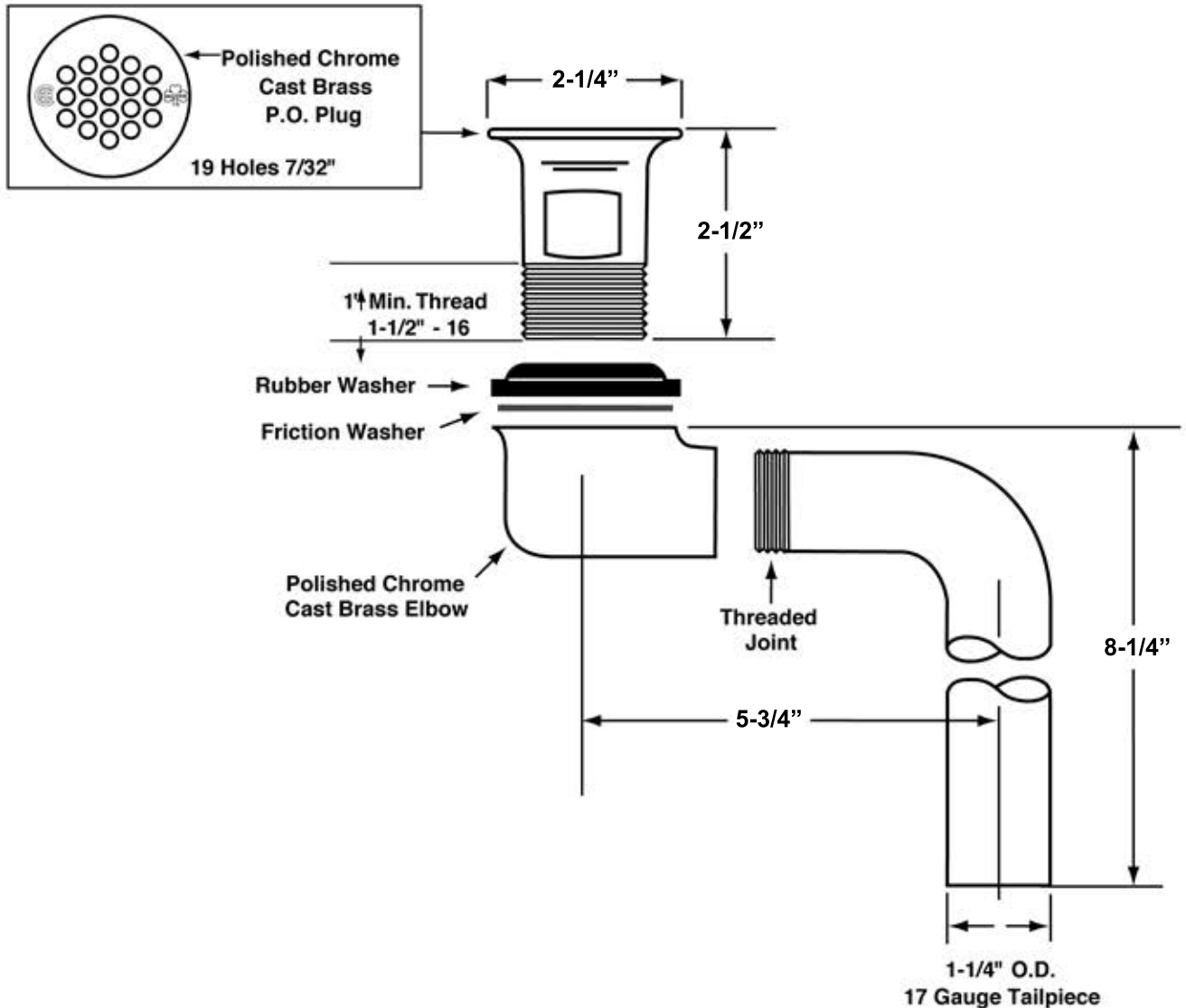
Part No.

155WC

Offset Lavatory Grid Strainer

Job Name:

Submittal Number:



- Rated Operating Temperature: 40-140°F
- Note: 180°F max. during temporary high-temperature system flush



ASME A112.18.2/CSA B125.2

## Specifications:

Cast brass chrome plated offset wheelchair strainer with polished chrome cast brass elbow, 17GA 1-1/4" seamless brass offset tailpiece, 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.

1071398

### 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).



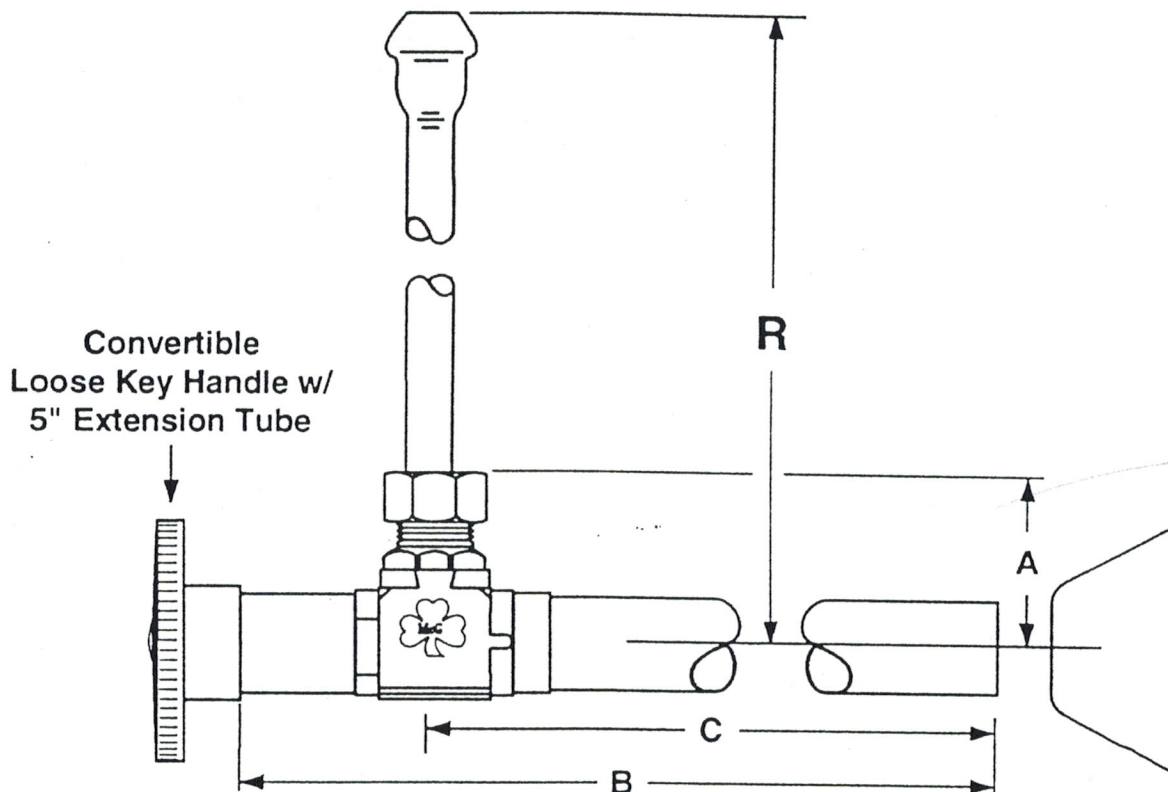
QUALITY DESIGNED

**McGUIRE MFG. CO., INC.**

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

**Product Specification****Part No.****H170LK-BV**

Quarter-Turn Brass Ball Valve  
 Lavatory Supply  
 with 5" Extension

**Job Name:****Submittal Number:****Convertible™**

MODEL NO.	ROUGHING MEASUREMENTS	A	B	C	R
H170LK-BV	1/2" Sweat x 3/8" O.D.	1-1/4"	7-3/8"	5-13/16"	12, 15, 16, 20, 36

For braided stainless riser add suffix SS and number for length 12, 16, 20, 36.  
 See options and accessories section for details on product variations.

**Specifications:**

Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle (chrome plated copper, or braided stainless risers) and (shallow, deep, bell) (steel, brass) or (forged brass with set screw) flange. Inlet shall be (1/2) inch (IPS, sweat, compression). Outlet shall be (3/8) inch (compression). Supply kit shall be McGuire \_\_\_\_\_. Supply kit shall be certified by CSA or other recognized testing authority and bear manufacturer and testing mark. Stop to be certified to 200 psi line pressure.



# McGuire Manufacturing Co., Inc.

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

## PRODUCT SPECIFICATION

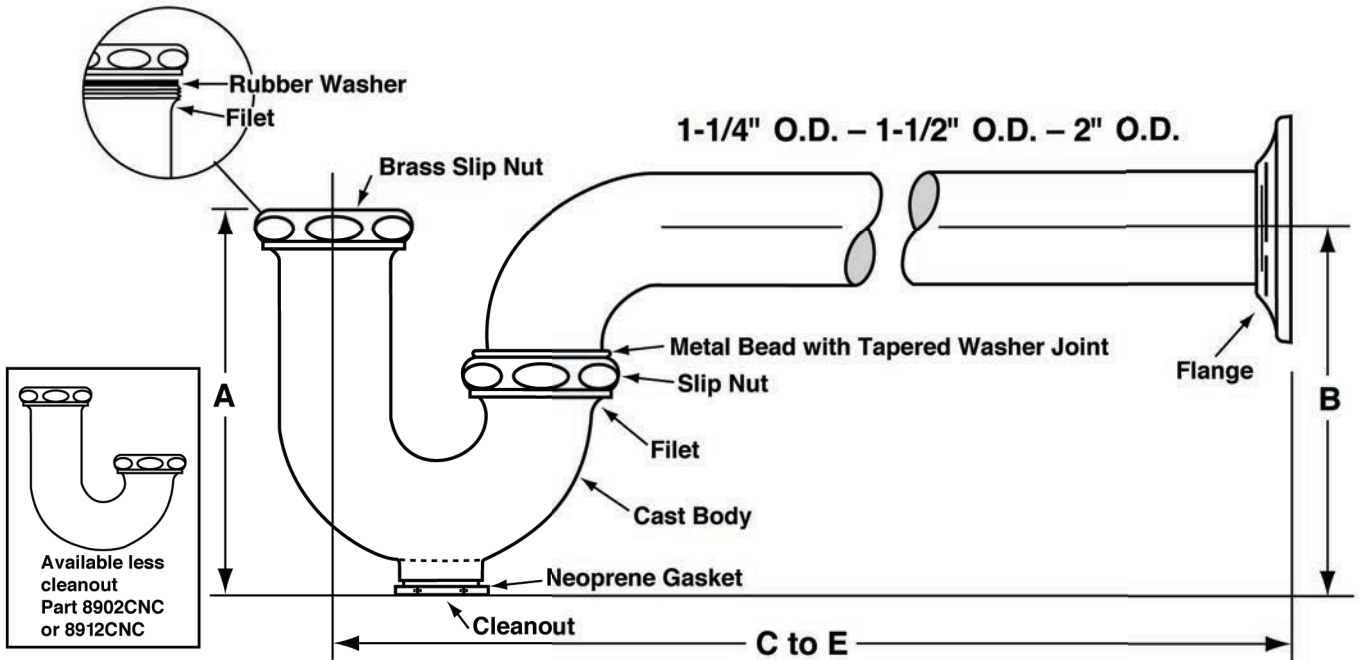
### Part No.

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

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

**Job Name:**

**Submittal Number:**



## PROFESSIONAL LINE

### ROUGHING MEASUREMENTS

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

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

See options and accessories section for details on product variations.

ASME A112.18.2/CSA B125-2



## Specifications:

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

P-Trap shall be McGuire "Classic" Professional Line

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



### WARNING:

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

1071398





# McGuire Manufacturing Co., Inc.

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

## PRODUCT SPECIFICATION

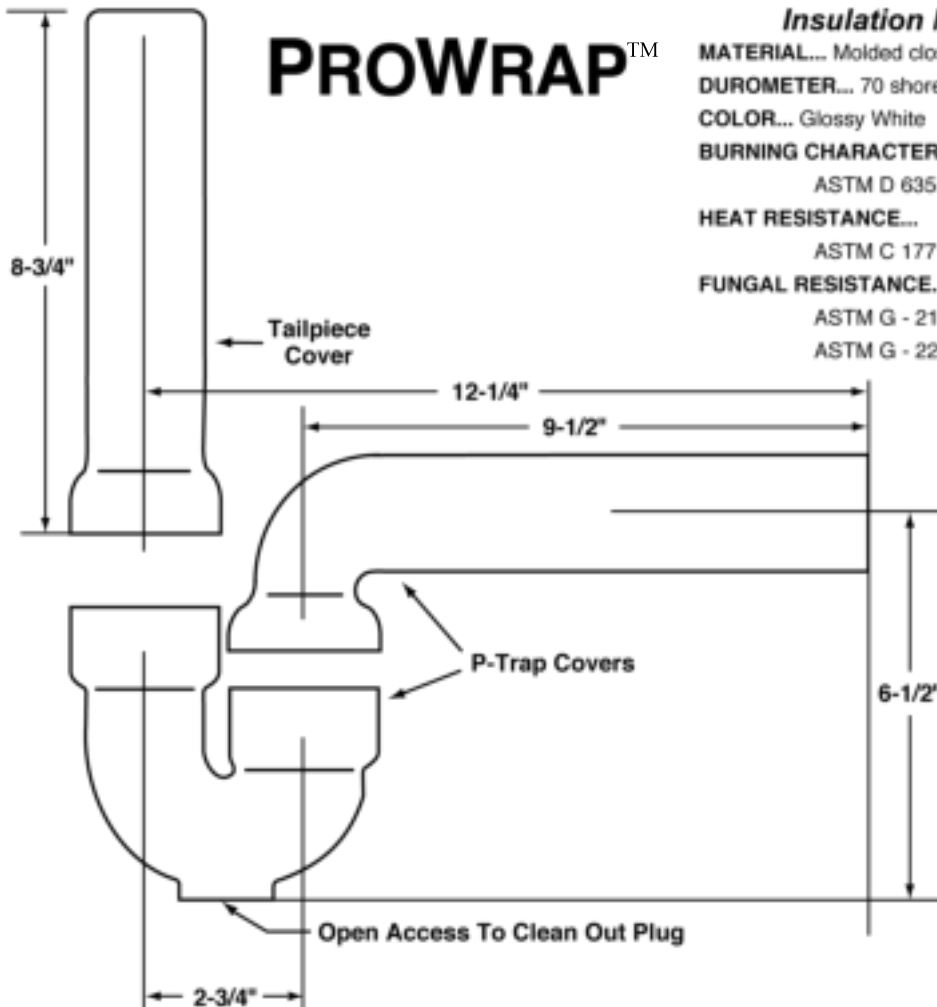
## Part No.

**PW2000, PW2000WC**

## Seamless Retrofit P-Trap Insulation Kit

**Job Name:**

**Submittal Number:**



### Insulation Material Specifications

**MATERIAL...** Molded closed cell vinyl (ANTI-MICROBIAL)

**DUROMETER...** 70 shore A

**COLOR...** Glossy White

**BURNING CHARACTERISTICS...**

ASTM D 635: Less than 5 sec (ATB) 10mm (AEB)

**HEAT RESISTANCE...**

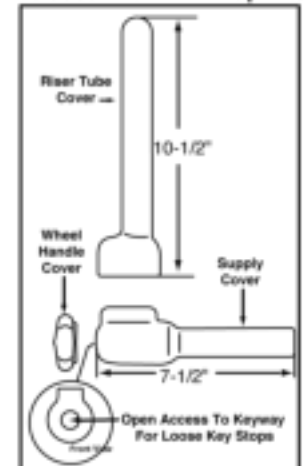
ASTM C 177: BTU - in/hr - ft 2 - °F KValue = 1.02

**FUNGAL RESISTANCE...**

ASTM G - 21: (Rating\*) 0 fungal growth measured

ASTM G - 22: (Rating\*) 0 bacterial growth measured

### Supply Covers (1 pair) Included With All P-Trap Kits



\*ASTM Rating - Observed Growth on Specimens

- 0 None
- 1 Traces of Growth (less than 10%)
- 2 Light Growth (10-30%)
- 3 Medium Growth (30-60%)
- 4 Heavy Growth (60%-complete coverage)

Environmental Controls:

Paper - 4, Cork - 1, Cotton - 4, Glass - 0

### MODEL NO.

### DESCRIPTION

**PW2000**

For 1-1/4" & 1-1/2" P-Traps

**PW2000WC**

For 1-1/4" & 1-1/2" P-Traps  
with offset drain assembly

**Note:** PW2000 Retrofit Kit will accommodate 1-1/4" OR  
1-1/2" brass P-traps.

A.D.A.



See options and accessories section for details on product variations.

## Specifications:

Seamless Retrofit P-Trap Insulation Kit furnished with seamless riser tube covers, supply angle stop covers, seamless drain tailpiece cover and angle stop wheel handle covers.



### 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).

1071398



# Electronic Faucets

TAG: 
**EC-HARDWIRE**


ChekPoint™

*Electronic Sensor Faucet Accessory*

## Architect/Engineering Specifications:

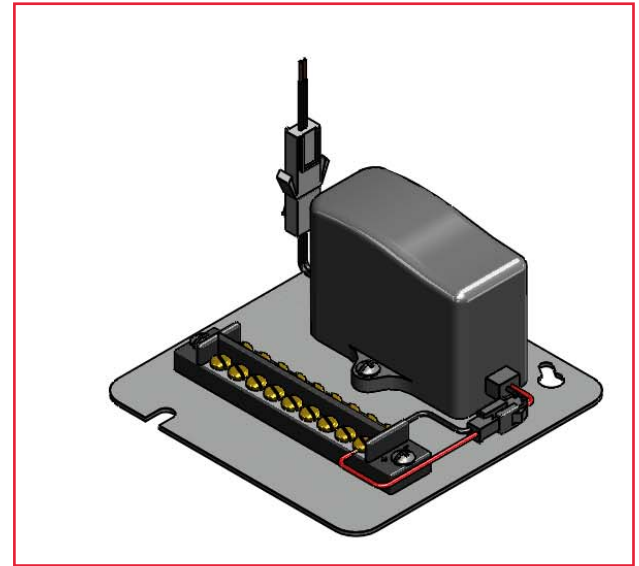
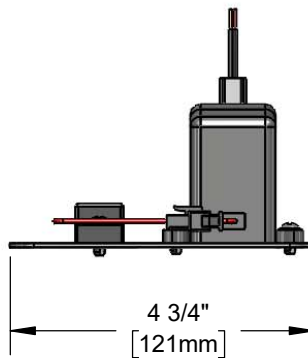
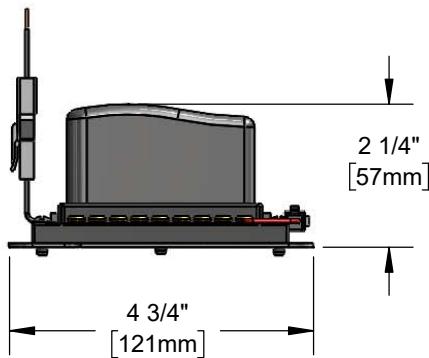
Hardwire AC transformer power supply with terminal block for 8 faucet connections. Complies with California CEC-400. UL Listed. Class II.

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

Model Specified \_\_\_\_\_ Quantity \_\_\_\_\_

Variations Specified \_\_\_\_\_

Date \_\_\_\_\_



## Features & Benefits:

- Plug-in AC transformer power supply
- Powers up to 8 ChekPoint electronic faucets
- For use with 4 11/16" square x 2 1/8" deep conduit box (not included)

## Product Compliance:

- California CEC-400 (Power supplies)
- UL listed
- Class II



**Warranty:** Three Year (Limited)

## Performance Data:

- Input: 100-240 VAC
- Output: 6.5 VDC, 2000 mA


**T&S BRASS AND BRONZE WORKS, INC.**


• 2 Saddleback Cove • Travelers Rest, SC 29690  
 Ph 800-476-4103 • Fax 864-834-3518  
 • Simi Valley, CA • Ph 800-423-0150 • www.tsbrass.com

1071398

Date: 03/07/18

**CHICAGO  
FAUCETS®**

a Geberit company

2100 South Clearwater Drive  
Des Plaines, IL 60018  
Phone: 847-803-5000  
Fax: 847-803-5454  
www.chicagofaucets.com

**FOR TECHNICAL ASSISTANCE**  
**1-800-TEC-TRUE (1-800-832-8783)**

**ROUGH-IN**

BY: JAR

DATE: 08-30-11

CHK: *[Signature]*

REV:

FITTING NO.

**621-LCP**

SUBMITTED MODEL NO.

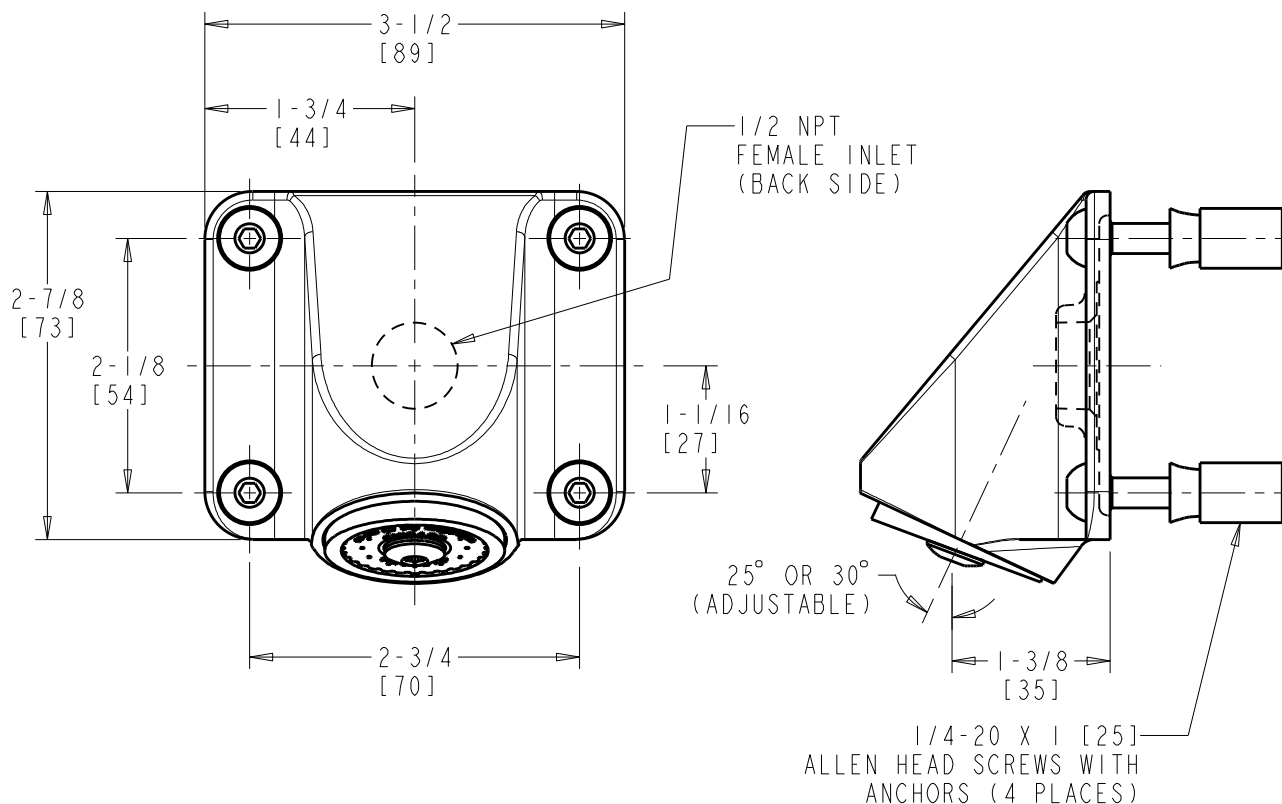
SUBMITTED AS SHOWN

SUBMITTED AS NOTED

SEE ATTACHED FOR  
SUBMITTED MODIFICATION

JOB NAME

ITEM NO.



DIMENSIONS ARE IN INCHES AND [MILLIMETERS].

#### TECHNICAL DATA

- WALL MOUNTED INSTITUTIONAL SHOWER HEAD
- PRESSURE COMPENSATING FLOW CONTROL
- ADJUSTABLE SPRAY ANGLE 20° OR 30°
- VANDAL RESISTANT MOUNTING
- INTEGRAL FLOW CONTROL
- FINISH: CHROME PLATE

- 1.5 GPM [5.7 L/min.] MAXIMUM FLOW RATE
- ASME A112.18.1/CSA B125.1 COMPLIANT
- CERTIFIED TO NSF/ANSI 61, SECTION 9 BY CSA

ROUGHING IN DIMENSIONS MAY VARY AND ARE SUBJECT TO CHANGE. NO RESPONSIBILITY IS ASSUMED FOR USE OF SUPERCEDED OR VOIDED DATA.

Location:



## Showeroff Shower System, 3-325

### Specification Submittal

#### Model Numbers

- ☐ ☒ **3-325** Showeroff Shower System that includes 4-420 valve and 4-295 showerhead

#### Options / Modifications

Append appropriate -suffix to model number.

- ☐ -2.0 2.0 (7.6 L/min) Flow rate restrictor
- ☒ **-1.5** 1.5 (5.7 L/min) Flow rate restrictor
- ☐ -A Anchor plate for use with ceramic tile
- ☐ -B Back plate and bolts for extra thick walls

#### Product Highlights

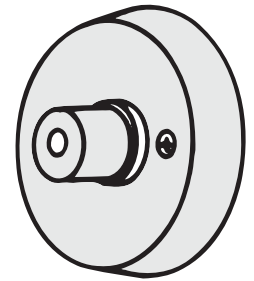
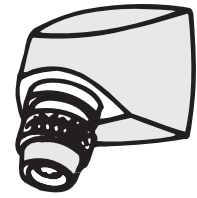
- 4-420 Showeroff shower limiter valve with 1/2 inch sweats and integral stops for servicing
- 4-295 Fre-flo institutional showerhead with adjustable spray and nozzle-type design for maximum protection against hard water mineral build-up
- Vandal resistant recessed hex socket type showerhead and valve mounting fasteners
- Standard Polished Chrome finish

#### Standards / Certifications

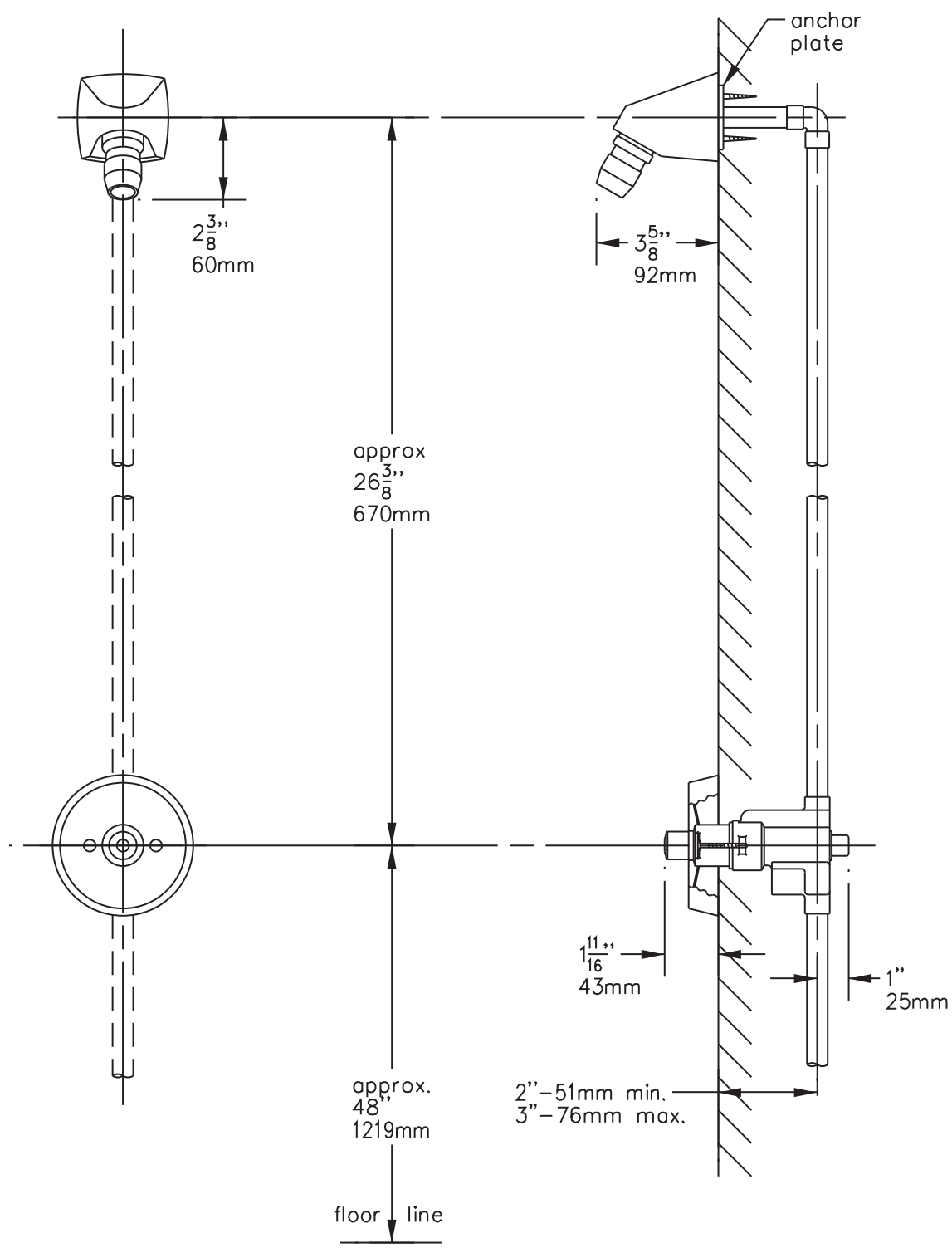
ASME A112.18.1-2005/CSA B125.1-05

#### Warranty

- **Limited Lifetime** - to the original end purchaser in residential / consumer installations.
- **5 years** - for commercial installations



## Dimensions Showeroff Shower System, 3-325



**Note:** Dimensions subject to change without notice.

Symmons Industries, Inc. ■ 31 Brooks Drive ■ Braintree, MA 02184  
(800) 796-6667, (781) 848-2250 ■ Fax (800) 961-9621, (781) 664-1300  
Website: [www.symmons.com](http://www.symmons.com) ■ Email: [customerservice@symmons.com](mailto:customerservice@symmons.com)

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Fax: 847-803-5454  
www.chicagofaucets.com

**FOR TECHNICAL ASSISTANCE**  
**1-800-TEC-TRUE (1-800-832-8783)**

**ROUGH-IN**

BY: JAR

DATE: 08-30-11

CHK: *[Signature]*

REV:

FITTING NO.

**621-LCP**

SUBMITTED MODEL NO.

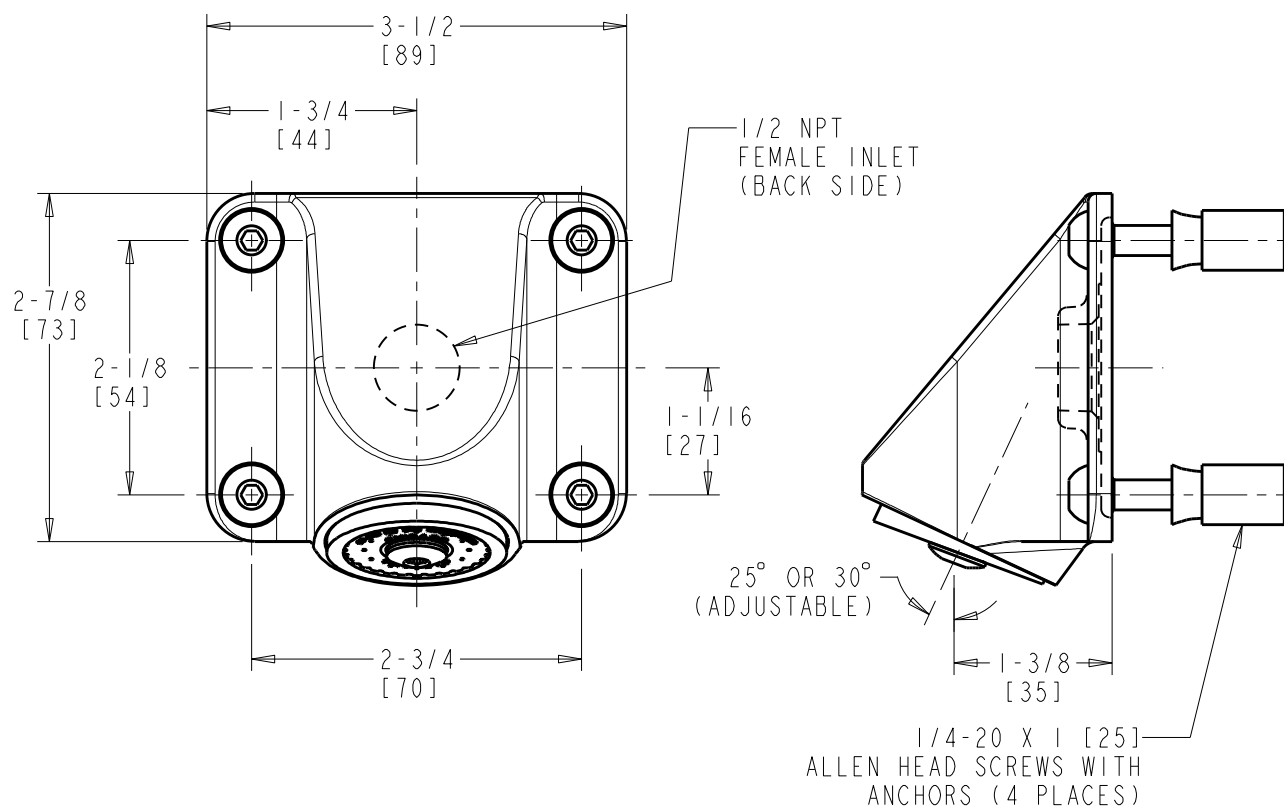
SUBMITTED AS SHOWN

SUBMITTED AS NOTED

SEE ATTACHED FOR  
SUBMITTED MODIFICATION

JOB NAME

ITEM NO.



DIMENSIONS ARE IN INCHES AND [MILLIMETERS].

#### TECHNICAL DATA

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- PRESSURE COMPENSATING FLOW CONTROL
- ADJUSTABLE SPRAY ANGLE 20° OR 30°
- VANDAL RESISTANT MOUNTING
- INTEGRAL FLOW CONTROL
- FINISH: CHROME PLATE

- 1.5 GPM [5.7 L/min.] MAXIMUM FLOW RATE
- ASME A112.18.1/CSA B125.1 COMPLIANT
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Location:



## Showeroff Shower System, 3-325

### Specification Submittal

#### Model Numbers

- ☐ ☒ **3-325** Showeroff Shower System that includes 4-420 valve and 4-295 showerhead

#### Options / Modifications

Append appropriate -suffix to model number.

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- ☒ **-1.5** 1.5 (5.7 L/min) Flow rate restrictor
- ☐ -A Anchor plate for use with ceramic tile
- ☐ -B Back plate and bolts for extra thick walls

#### Product Highlights

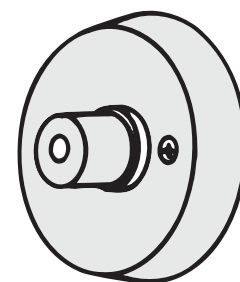
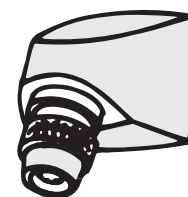
- 4-420 Showeroff shower limiter valve with 1/2 inch sweats and integral stops for servicing
- 4-295 Fre-flo institutional showerhead with adjustable spray and nozzle-type design for maximum protection against hard water mineral build-up
- Vandal resistant recessed hex socket type showerhead and valve mounting fasteners
- Standard Polished Chrome finish

#### Standards / Certifications

ASME A112.18.1-2005/CSA B125.1-05

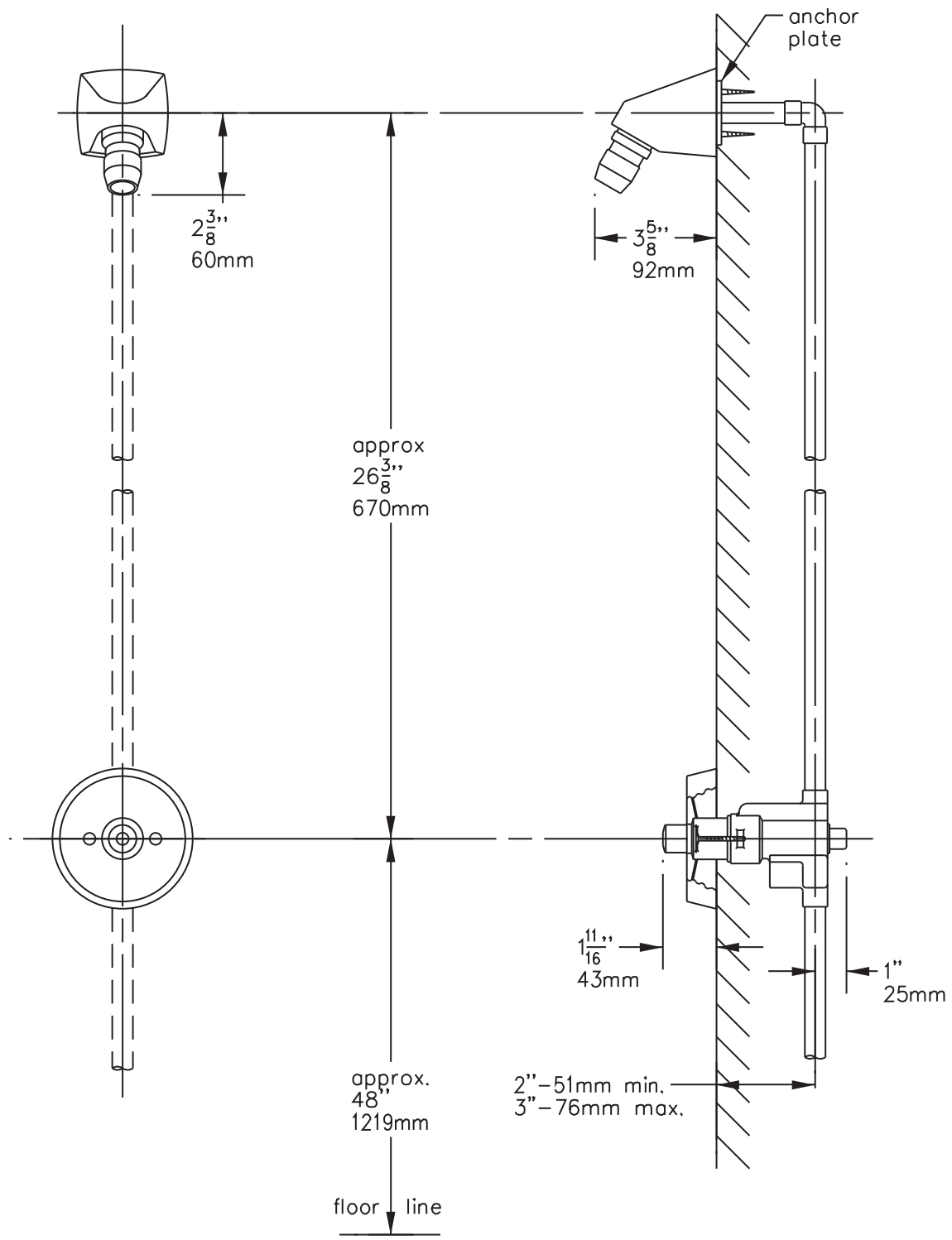
#### Warranty

- **Limited Lifetime** - to the original end purchaser in residential / consumer installations.
- **5 years** - for commercial installations





## Dimensions Showeroff Shower System, 3-325



**Note:** Dimensions subject to change without notice.

Symmons Industries, Inc. ■ 31 Brooks Drive ■ Braintree, MA 02184  
 (800) 796-6667, (781) 848-2250 ■ Fax (800) 961-9621, (781) 664-1300  
 Website: [www.symmons.com](http://www.symmons.com) ■ Email: [customerservice@symmons.com](mailto:customerservice@symmons.com)

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# MECHANICAL FAUCETS

## 151-ALCP

### Tub and Showers

#### Product Type

Wall Mounted Pressure Balancing Wall Mounted Hand Spray

#### Features & Specifications

- Pressure Balancing
- Wall Elbow with In-Line Vacuum Breaker
- 1.5 GPM Hand Spray with 59" Stainless Steel Hose and Pause Control
- 24" Wall Mounted Slide Bar with Hand Spray Holder

#### Warranty

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

#### Codes & Standards

- ASME A112.18.1/CSA B125.1
- ADA ANSI/ICC A117.1

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

Item Number \_\_\_\_\_

Section/Tag \_\_\_\_\_

Model Specified \_\_\_\_\_

Architect \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor \_\_\_\_\_

☐ Submitted as Shown      ☐ Submitted with Variations

Date \_\_\_\_\_

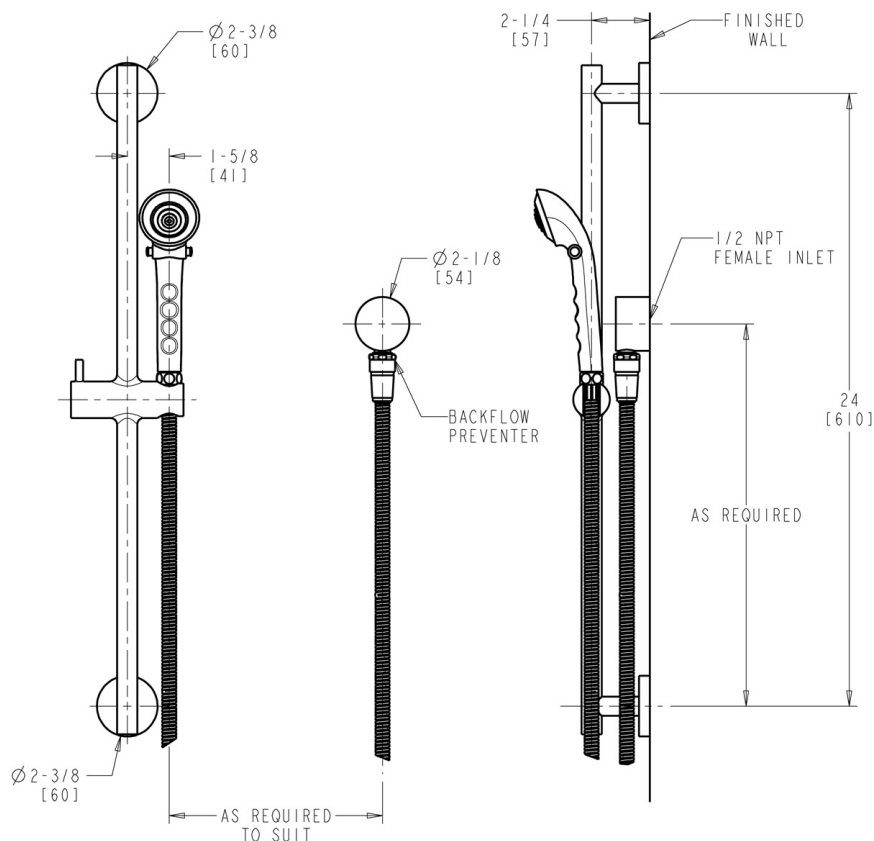


# 151-ALCP

## Tub and Showers

### Architect/Engineer Specification

Chicago Faucets No. 151-ALCP, Hand Spray, pressure-balancing, chrome plated. Wall mounted. Includes wall elbow and in-line vacuum breaker. 1.5 GPM hand spray with 59" stainless steel hose and pause control. 24" wall-mounted slide bar with hand spray holder. This product meets ADA ANSI/ICC A117.1 requirements and is tested and certified to industry standards: ASME A112.18.1/CSA B125.1, and ASSE 1016..



### Operation and Maintenance

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

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



# ACCESSORIES AND PARTS

## 622-001CP

### Product Type

Spout Part Spout, Wall

### Features & Specifications

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

Item Number \_\_\_\_\_

Section/Tag \_\_\_\_\_

Model Specified \_\_\_\_\_

Architect \_\_\_\_\_

Engineer \_\_\_\_\_

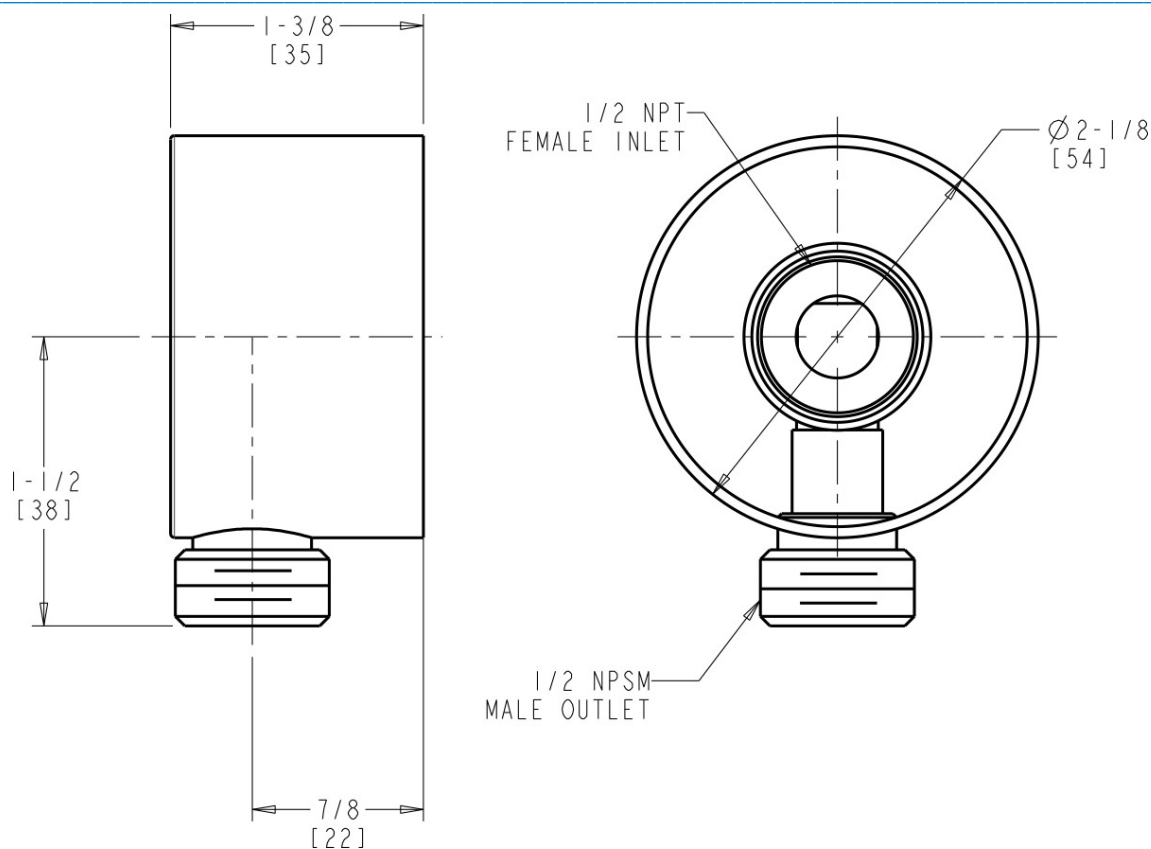
Contractor \_\_\_\_\_

☐ Submitted as Shown      ☐ Submitted with Variations

Date \_\_\_\_\_



## Architect/Engineer Specification



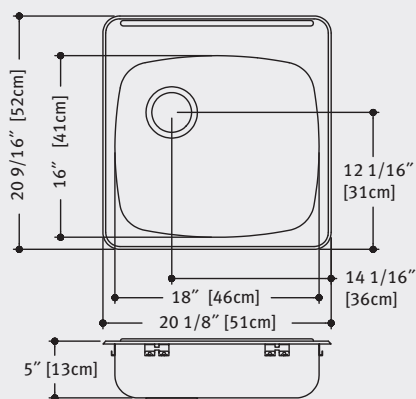
## Operation and Maintenance

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## ALBS6805-1 Single Sink



cUPC®



### Specification:

ADA compliant, single compartment sink with faucet ledge. 20 gauge, type 302, 18-8 stainless steel. Self rimming. Exposed surfaces are satin finished. Undercoated to reduce condensation and resonance. Includes factory applied rim seal, cutout template, Universal Installation System hardware and 3 1/2" (89mm) crumb cup waste assembly, location left rear.

**Compartment Size:** 16" x 18" x 5" (41 cm x 46 cm x 13 cm)

**Overall Size:** 20 9/16" x 20 1/8" (52 cm x 51 cm)

### Faucet hole drilling options:

- ☒ ALBS6805-1/1 1 hole, 1 1/2" diameter
- ☐ ALBS6805-1/3 3 hole, 1 1/2" diameter, 4" centers, 8" centerset
- ☐ ALBS6805-1 Custom (non-returnable)

**\*For custom please specify drilling requirements.**

### Notes:

- Electronic specifications, reference [www.kindred-sinkware.com](http://www.kindred-sinkware.com)
- The model as constructed is subject to the interpretation of local building codes. Check ADA, local wheelchair accessibility guidelines and local building codes to ensure the unobstructed knee space is achieved after installation.

### PROJECT INFORMATION

Project Name: \_\_\_\_\_

Item Reference: \_\_\_\_\_

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

Quote #: \_\_\_\_\_

Faucet Model #: \_\_\_\_\_

Drillings Required: \_\_\_\_\_

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Franke Kindred Canada Limited  
 1000 Franke Kindred Road, Midland, Ontario, Canada L4R 4K9  
 web [www.kindred-sinkware.com](http://www.kindred-sinkware.com) email [info@kindred-sinkware.com](mailto:info@kindred-sinkware.com)  
 Telephone 1-866-687-7465 Fax 1-800-361-8408

Manual and Metering Faucets

Product Type

Deck Mounted Single Hole Single Lever Hot and Cold Water  
Mixing Sink Faucet

Features & Specifications

- Single Hole
- 1.5 GPM (5.7 L/min) Non-Aerating Outlet
- Volume Control and Hot Water Limit Stop Ceramic Cartridge
- 1/2" NPSM Supply Inlets for 3/8" or 1/2" Flexible Riser
- User Adjustable Temperature Control Mixer
- Temperature Limiter
- Master Pack Quantity of 6
- 9 1/2" Center to Center Integral Cast Brass Spout
- ECAST® design provides durable brass construction with total lead content equal to or less than 0.25% by weighted average
- CFNow! Item Ships in 5 Days

Performance Specification

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

Warranty

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

Codes & Standards

- Certified to NSF/ANSI 61, Section 9 by CSA
- ADA ANSI/ICC A117.1
- CALGreen

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

Item Number \_\_\_\_\_

Section/Tag \_\_\_\_\_

Model Specified \_\_\_\_\_

Architect \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor \_\_\_\_\_

☐ Submitted as Shown

☐ Submitted with Variations

Date \_\_\_\_\_



ECAST®

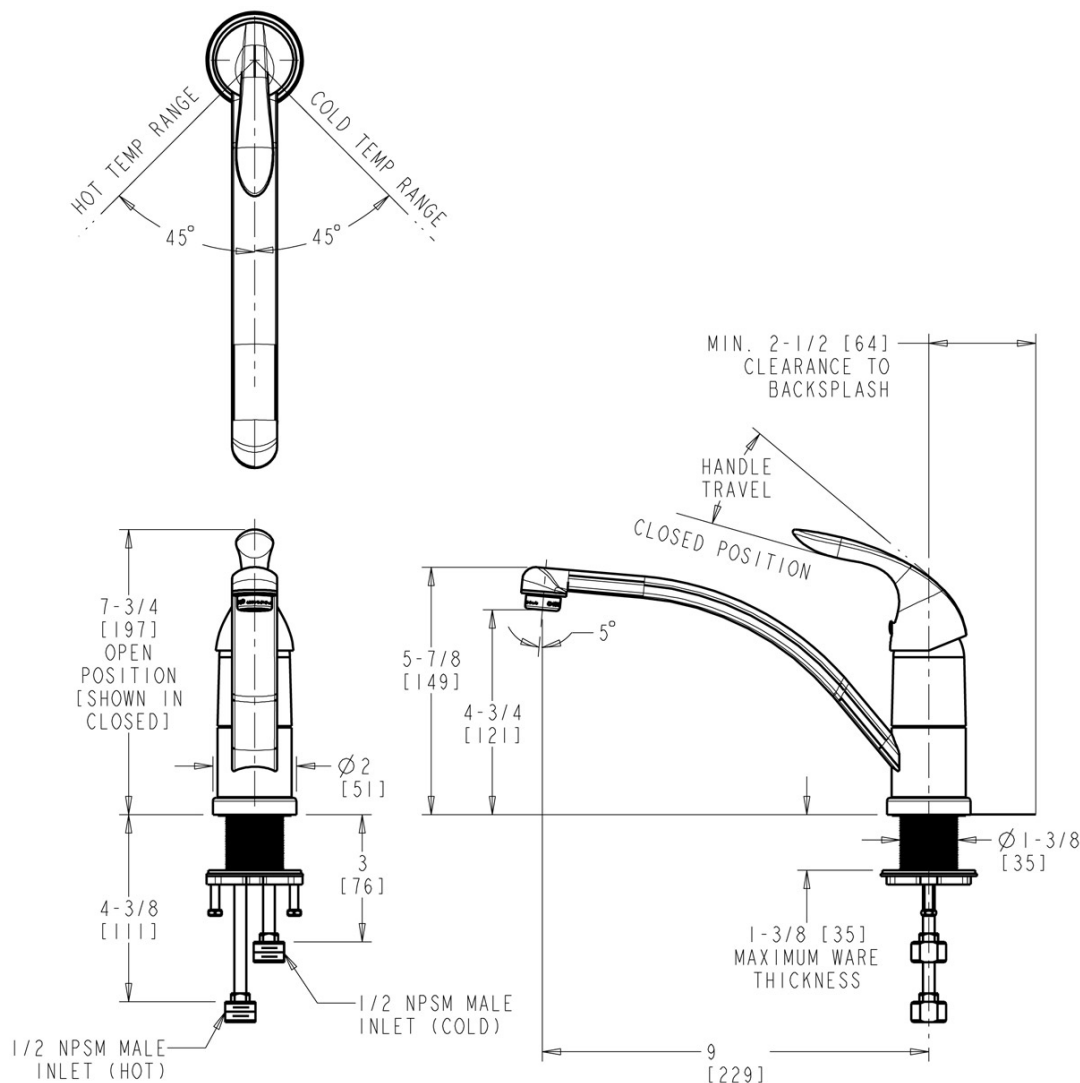
ECAST products are intended for installation where state laws and local codes mandate lead content levels or in any location where lead content is a concern.





### Architect/Engineer Specification

Chicago Faucets No. 430-ABCP, Deck Mounted Single Hole Single Lever Hot and Cold Water Mixing Sink Faucet, Chrome Plated solid brass construction. 9 1/2" Center to Center Integral Cast Brass Spout. 1.5 GPM (5.7 L/min) Pressure Compensating Laminar Flow Non-Aerating Outlet. Ceramic quarter turn cartridge, features square tapered stem. 1/2" NPSM Supply Inlets for 3/8" or 1/2" Flexible Riser. User Adjustable Temperature Control Mixer. Temperature Limiter. Master Pack Quantity of 6. ECAST® construction with less than 0.25% lead content by weighted average. CALGreen Compliant. Secondary Control Valve: 9 1/2" Center to Center Integral Cast Brass Spout. This product meets ADA ANSI/ICC A117.1 requirements and is tested and certified to industry standards: Certified to NSF/ANSI 61, Section 9 by CSA, and California Green Building Standards Code (CALGreen).



### Operation and Maintenance

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

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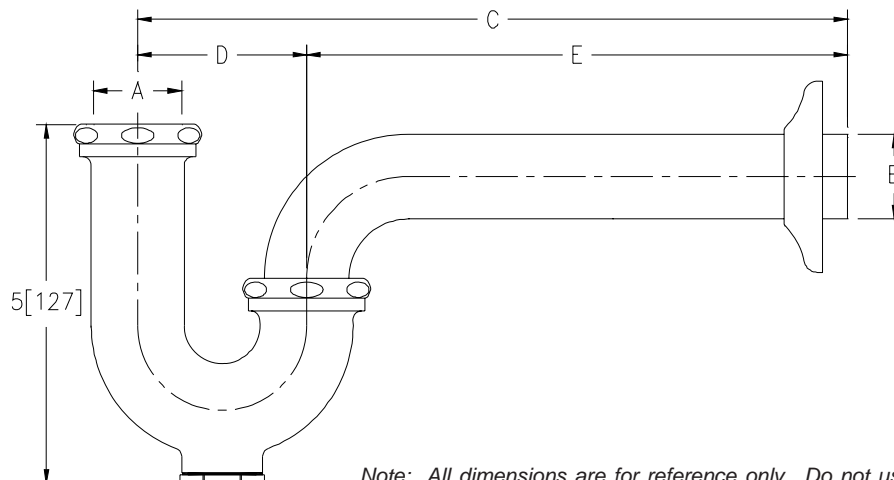
# SEMI-CAST P-TRAPS WITH WALL BEND

## Z8700-PC TO Z8708-PC

### TAG



**Engineering Specification:** Zurn Z8700-PC to Z8708-PC. – Chrome-plated cast brass (copper alloy) body P-trap with cleanout, tubular brass wall bend as specified, die-cast nuts, and shallow escutcheon with compression inlet.



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

PRODUCT NUMBER	A INLET in[mm]	B OUTLET in[mm]	GAUGE	DIMENSIONS			MASTER CARTON	WEIGHT CARTON [lbs]
				C in[mm]	D in[mm]	E in[mm]		
Z8700-PC	1 1/4[32]	1 1/4[32]	17	10[254]	2 1/2[64]	7 1/2[191]	12	24
Z8700-8-PC	1 1/4[32]	1 1/4[32]	17	11[279]	2 1/2[64]	8 1/2[216]	12	24
Z8700-15-PC	1 1/4[32]	1 1/4[32]	17	15[381]	2 1/2[64]	12 1/2[318]	18	40
Z8701-PC	1 1/4[32]	1 1/2[38]	17	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8701-9-PC	1 1/4[32]	1 1/2[38]	17	12[305]	3[76]	9[229]	12	24
Z8701-15-PC	1 1/4[32]	1 1/2[38]	17	15[381]	3[76]	12[305]	18	42
Z8702-PC*	1 1/2[38]	1 1/2[38]	17	10 1/2[267]	3[76]	7 1/2[191]	12	24
✓ Z8702-9-PC*	1 1/2[38]	1 1/2[38]	17	12[305]	3[76]	9[229]	12	24
Z8702-15-PC*	1 1/2[38]	1 1/2[38]	17	15[381]	3[76]	12[305]	18	42
Z8703B-PC**	1 1/2[38]	2[51]	17	12 1/2[318]	3 1/2[89]	9[229]	6	18
Z8704B-PC**	2[51]	2[51]	17	12 1/2[318]	3 1/2[89]	9[229]	6	18
Z8706-PC	1 1/4[32]	1 1/4[32]	20	10[254]	2 1/2[64]	7 1/2[191]	12	24
Z8707-PC	1 1/4[32]	1 1/2[38]	20	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8708-PC*	1 1/2[38]	1 1/2[38]	20	10 1/2[267]	3[76]	7 1/2[191]	12	24

#### OPTIONAL ACCESSORIES

Suffix	Description
✓ -B	Brass Nuts
-BX	Box Escutcheon
-CE	Cast Brass Escutcheon with Setscrew
✓ -D	Deep Escutcheon (Note = not available for Z8703B-PC and Z8704B-PC)
-J	Metal to Metal Ground Joint Connection
-WC	Waste Connections - Compression
-15	15[381] C Dim. 1 1/4[32] and 1 1/2[38] Only
-18	18[457] C Dim. 1 1/4[32] and 1 1/2[38] Only

\* COMES WITH OPTIONAL 1-1/2" x 1-1/4" REDUCTION POLY-WASHER FOR INLET

\*\* SHIPPED WITH BRASS NUTS UNLESS OTHERWISE SPECIFIED

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

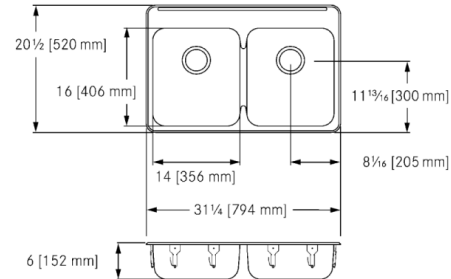
Phone: 1-800-997-3876 ♦ Fax: 1-919-775-3541 ♦ www.zurn.com

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

# ALBD6406P-1 Double, with ledge, 18 gauge

## MODEL RANGE: COMMERCIAL SINKS | ALBD6406P-1

Commercial sinks | Topmount sinks



Double compartment self rimming topmount sink with faucet ledge. 18 gauge (1.2 mm), type 304 (CNS 18/10) stainless steel. Exposed surfaces are #4 satin finished. Undercoated to reduce condensation and resonance. Includes waste fittings, factory applied rim seal, cutout template, and factory installed EZ TORQUE™ fasteners. Certified to ASME A112.19.3-2008 / CSA B45.4-08.

Wheelchair accessible: meets ADA (Americans with disabilities act guidelines) and ANSI A117.1 (Accessible and usable buildings and facilities). Check local codes to ensure compliance.

Centre back waste location. Includes 3 1/2" (89 mm) crumb cup strainer with 1 1/2" (DN38) brass tailpiece. Sink has Spillway® partition.

Model Options:

ALBD6406P-1/1, 1 faucet hole, 1 1/2" diameter

ALBD6406P-1/3, 3 faucet holes, 1 1/2" diameter, 4" centres, 8" centreset

ALBD6406P-1/4, 4 faucet holes, 3 holes are 8" centreset, with 4th hole 4" to the right (non-returnable).

ALBD6406P-1, Custom (non-returnable)

20 1/2 x 31 1/4" Overall. 16 x 14 x 6" Bowl. (FB x LR x D).

521 x 794 mm Overall. 406 x 356 x 152 mm Bowl. (FB x LR x D).

### Technical data

Bowl depth	6 inch
Bowl front to back	16 "
Bowl left to right	14 "
Overall front to back	20 1/2 "
Overall left to right	31 1/4 "
Material	Stainless steel
Material code	1 4301 Chrome Nickel steel V2A
Tailor made	No
Tap ledge	Yes
Waste hole position	Center back
Bowl finish	Satin finish
Number of bowls	2.00000
Overflow	No
Number of tap holes	0.00000
Type of waste kit	3 1/2" crump
Spillway	Yes
Type of basin	Double compartment

### PROJECT INFORMATION

Item Location	
Project Number	
Quote Number	
Notes	

### ENGINEER'S APPROVAL

# MECHANICAL FAUCETS

## 430-ABCP

CS-2



### Manual and Metering Faucets

#### Product Type

Deck Mounted Single Hole Single Lever Hot and Cold Water Mixing Sink Faucet

#### Features & Specifications

- Single Hole
- 1.5 GPM (5.7 L/min) Non-Aerating Outlet
- Volume Control and Hot Water Limit Stop Ceramic Cartridge
- 1/2" NPSM Supply Inlets for 3/8" or 1/2" Flexible Riser
- User Adjustable Temperature Control Mixer
- Temperature Limiter
- Master Pack Quantity of 6
- 9 1/2" Center to Center Integral Cast Brass Spout
- ECAST® design provides durable brass construction with total lead content equal to or less than 0.25% by weighted average
- CFNow! Item Ships in 5 Days

#### Performance Specification

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

#### Warranty

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

#### Codes & Standards

- Certified to NSF/ANSI 61, Section 9 by CSA
- ADA ANSI/ICC A117.1
- CALGreen

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

Item Number \_\_\_\_\_

Section/Tag \_\_\_\_\_

Model Specified \_\_\_\_\_

Architect \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor \_\_\_\_\_

☐ Submitted as Shown      ☐ Submitted with Variations

Date \_\_\_\_\_



#### ECAST

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

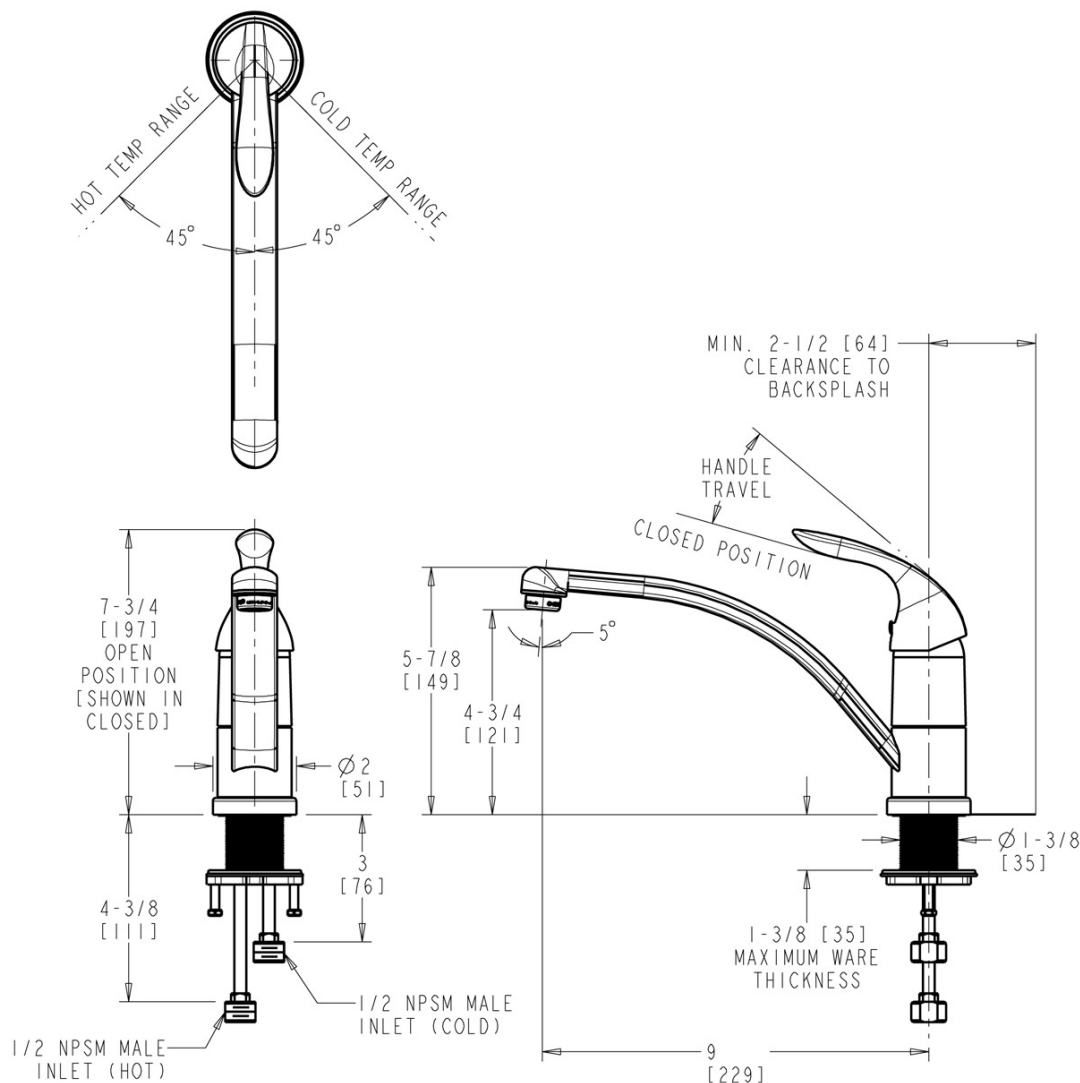


1071398

2100 South Clearwater Drive  
Des Plaines, IL 60018  
P: 847/803-5000  
F: 847/803-5454  
Technical: 800/TEC-TRUE  
www.chicagofaucets.com

### Architect/Engineer Specification

Chicago Faucets No. 430-ABCP, Deck Mounted Single Hole Single Lever Hot and Cold Water Mixing Sink Faucet, Chrome Plated solid brass construction. 9 1/2" Center to Center Integral Cast Brass Spout. 1.5 GPM (5.7 L/min) Pressure Compensating Laminar Flow Non-Aerating Outlet. Ceramic quarter turn cartridge, features square tapered stem. 1/2" NPSM Supply Inlets for 3/8" or 1/2" Flexible Riser. User Adjustable Temperature Control Mixer. Temperature Limiter. Master Pack Quantity of 6. ECAST® construction with less than 0.25% lead content by weighted average. CALGreen Compliant. Secondary Control Valve: 9 1/2" Center to Center Integral Cast Brass Spout. This product meets ADA ANSI/ICC A117.1 requirements and is tested and certified to industry standards: Certified to NSF/ANSI 61, Section 9 by CSA, and California Green Building Standards Code (CALGreen).



### Operation and Maintenance

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

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





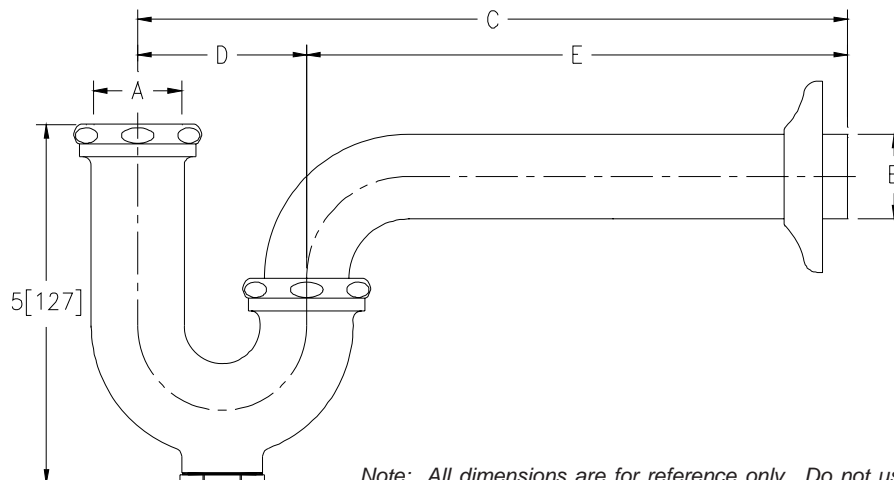
# SEMI-CAST P-TRAPS WITH WALL BEND

## Z8700-PC TO Z8708-PC

### TAG \_\_\_\_\_



**Engineering Specification:** Zurn Z8700-PC to Z8708-PC. – Chrome-plated cast brass (copper alloy) body P-trap with cleanout, tubular brass wall bend as specified, die-cast nuts, and shallow escutcheon with compression inlet.



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

PRODUCT NUMBER	A INLET in[mm]	B OUTLET in[mm]	GAUGE	DIMENSIONS			MASTER CARTON	WEIGHT CARTON [lbs]
				C in[mm]	D in[mm]	E in[mm]		
Z8700-PC	1 1/4[32]	1 1/4[32]	17	10[254]	2 1/2[64]	7 1/2[191]	12	24
Z8700-8-PC	1 1/4[32]	1 1/4[32]	17	11[279]	2 1/2[64]	8 1/2[216]	12	24
Z8700-15-PC	1 1/4[32]	1 1/4[32]	17	15[381]	2 1/2[64]	12 1/2[318]	18	40
Z8701-PC	1 1/4[32]	1 1/2[38]	17	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8701-9-PC	1 1/4[32]	1 1/2[38]	17	12[305]	3[76]	9[229]	12	24
Z8701-15-PC	1 1/4[32]	1 1/2[38]	17	15[381]	3[76]	12[305]	18	42
Z8702-PC*	1 1/2[38]	1 1/2[38]	17	10 1/2[267]	3[76]	7 1/2[191]	12	24
✓ Z8702-9-PC*	1 1/2[38]	1 1/2[38]	17	12[305]	3[76]	9[229]	12	24
Z8702-15-PC*	1 1/2[38]	1 1/2[38]	17	15[381]	3[76]	12[305]	18	42
Z8703B-PC**	1 1/2[38]	2[51]	17	12 1/2[318]	3 1/2[89]	9[229]	6	18
Z8704B-PC**	2[51]	2[51]	17	12 1/2[318]	3 1/2[89]	9[229]	6	18
Z8706-PC	1 1/4[32]	1 1/4[32]	20	10[254]	2 1/2[64]	7 1/2[191]	12	24
Z8707-PC	1 1/4[32]	1 1/2[38]	20	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8708-PC*	1 1/2[38]	1 1/2[38]	20	10 1/2[267]	3[76]	7 1/2[191]	12	24

#### OPTIONAL ACCESSORIES

Suffix	Description
✓ -B	Brass Nuts
-BX	Box Escutcheon
-CE	Cast Brass Escutcheon with Setscrew
✓ -D	Deep Escutcheon (Note = not available for Z8703B-PC and Z8704B-PC)
-J	Metal to Metal Ground Joint Connection
-WC	Waste Connections - Compression
-15	15[381] C Dim. 1 1/4[32] and 1 1/2[38] Only
-18	18[457] C Dim. 1 1/4[32] and 1 1/2[38] Only

\* COMES WITH OPTIONAL 1-1/2" x 1-1/4" REDUCTION POLY-WASHER FOR INLET

\*\* SHIPPED WITH BRASS NUTS UNLESS OTHERWISE SPECIFIED

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

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

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

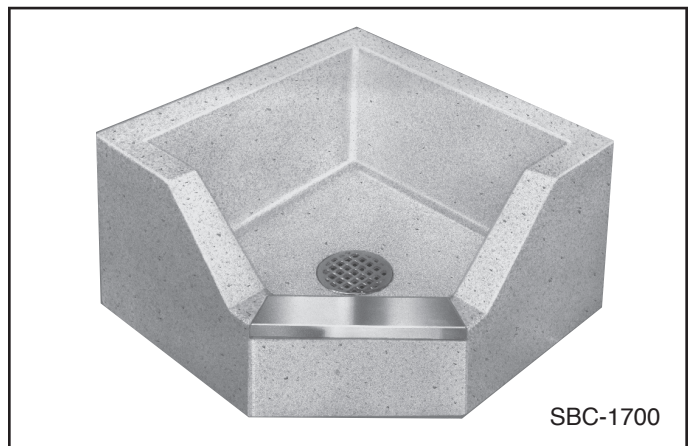




**HiLow®**



**CORLow®**



**6" FRONT DROP  
WITH STAINLESS STEEL CAP**

MODEL	SIZE
HL-1800	24"x24"x12"
HL-1900	32"x32"x12"
HL-2000	36"x36"x12"
HL-2100	36"x24"x12"

**6" FRONT DROP  
WITH STAINLESS STEEL CAP ALL SIDES**

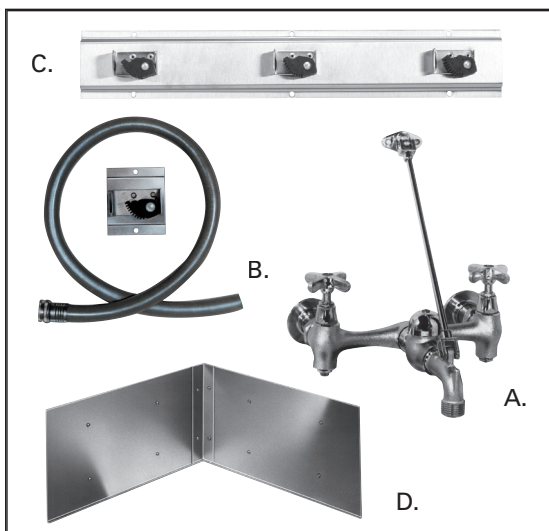
MODEL	SIZE
HL-1810	24"x24"x12"
HL-1910	32"x32"x12"
HL-2010	36"x36"x12"
HL-2110	36"x24"x12"

**6" FRONT DROP  
WITH STAINLESS STEEL CAP**

MODEL	SIZE
SBC-1700	24"x24"x12"
SBC-1702*	24"x24"x12"
SBC-1725	32"x32"x12"
SBC-1750	36"x36"x12"

\*NOTE: 2 tiling flanges extending 1" above shoulder on 2 sides.

Model No. ( ) Size ( ), as manufactured by Stern-Williams Co., Inc. Shoulders shall not be less than 9-3/4" high inside measurement, and not less than 1-1/4" wide. All models have 6" drop at threshold. Drain shall be cast brass with stainless steel strainer cast integral and shall provide for a caulked lead connection not less than 1" deep to a 3" pipe. Receptor composed of pearl gray marble chips and white Portland cement ground smooth, grouted and sealed to resist stains. Stainless steel cap of one piece 20 ga. 302 stainless steel cast integral on threshold.



**QUALITY OPTIONAL FITTINGS**

- A. **T-10-VB** Mop-Service sink fitting with vacuum breaker, adjustable top brace, 3/4" hose thread on spout with bucket hook inlets 8" on center, chrome finish.  
**T-15 VB** same as above with polished chrome finish.
- B. **T-35** Hose and wall hook. Hose 36" long, with 3/4" chrome couplings. Wall bracket of stainless steel.
- C. **T-40** Stainless Steel Mop Hanger of stainless steel with #4 finish. . . 24" long, with 3 rubber spring loaded grips.
- D. **BP** Splash Catcher Panels of 20 ga. type 304 stainless steel.

**JOB**

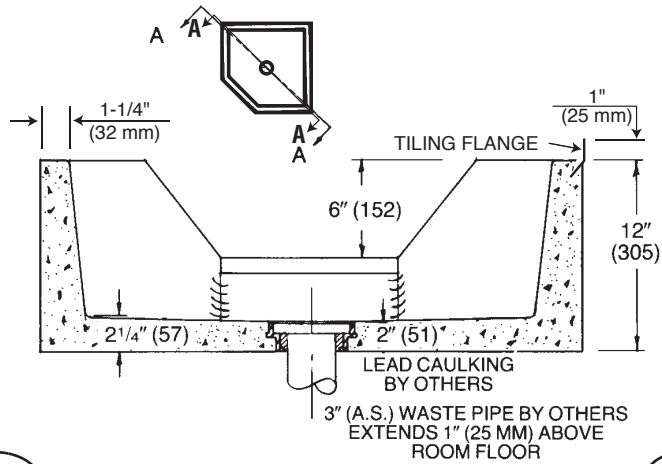
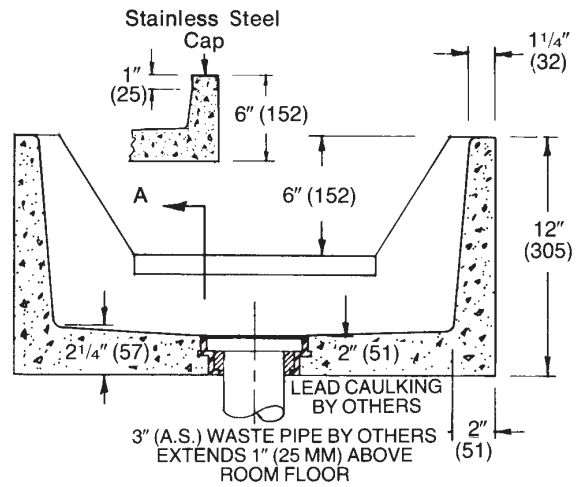
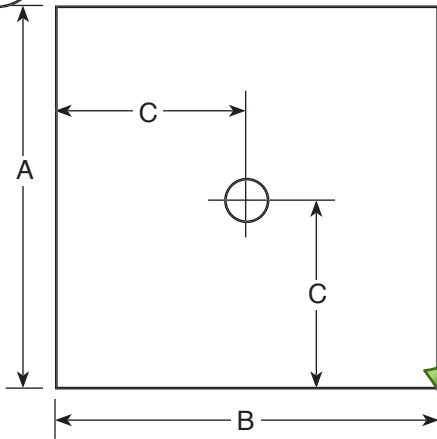
**ARCHITECT**

**LOCATION**

**ENGINEER**



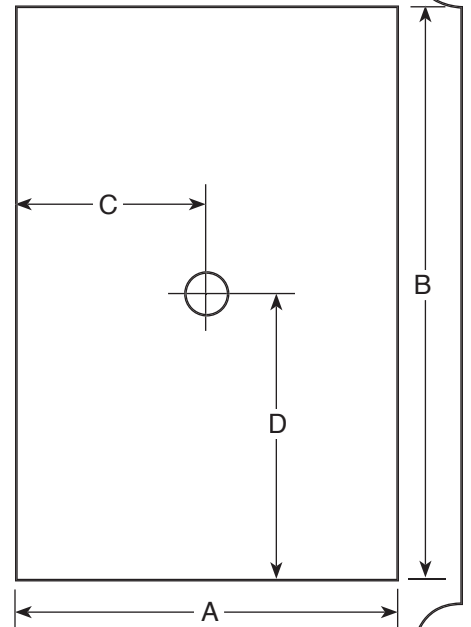
## CROSS SECTION SERIES 1700

CROSS SECTION  
SERIES 1800, 1900, 2000, 2100ROUGH-IN SERIES  
1800, 1900, 2000, 2100

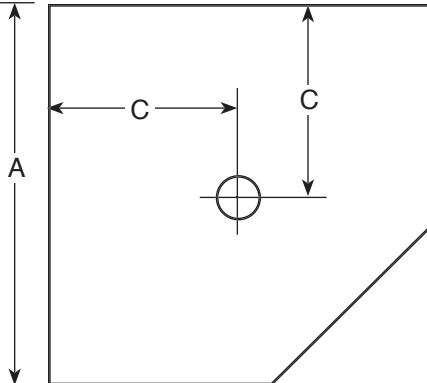
MODEL	A		B		C	
	IN	MM	IN	MM	IN	MM
1800	24	610	24	610	12	305
1900	32	813	32	813	16	406
2000	36	915	36	915	18	457

MODEL	A		B		C	
	IN	MM	IN	MM	IN	MM
1810	24	610	24	610	12	305
1910	32	813	32	813	16	406
2010	36	915	36	915	18	457

MODEL	A		B		C		D	
	IN	MM	IN	MM	IN	MM	IN	MM
2100	24	610	36	915	12	305	18	457
2110	24	610	36	915	12	305	18	457



## ROUGH-IN MODEL 1700 SERIES



MODEL	A		B		C	
	IN	MM	IN	MM	IN	MM
SBC-1700	24	610	24	610	12	305
SBC-1702	24	610	24	610	12	305
SBC-1725	32	813	32	813	12	305
SBC-1750	36	915	36	915	12	305

Note: All dimensions subject to manufacturing variance of plus or minus 1/4" (6 MM).

# MECHANICAL FAUCETS

## 897-RCF-HOSE

### Manual Faucets

#### Product Type

Wall Mounted 8" Body, Adjustable Arms 7-5/8" - 8-3/8" Hot and Cold Water Sink Faucet

#### Features & Specifications

- 8" Body, Adjustable Arms 7-5/8" - 8-3/8"
- 2-3/8" Vandal Proof Lever Handle
- Ceramic 1/4 Turn Operating Cartridge
- 1/2" NPT Adjustable Female Union Nut Supply Arms
- 3/4" Male Hose Thread Outlet
- Round Wall Escutcheons
- Integral Stop Valves for Servicing the product
- Atmospheric Vacuum Breaker, Not Intended for Continuous Pressure Applications
- Vacuum Breaker Spout with Pail Hook and Wall Brace
- Atmospheric Vacuum Breaker, Not Intended for Continuous Pressure Applications
- CFNow! Item Ships in 3 Days

#### Performance Specification

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

#### Warranty

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

#### Codes & Standards

- ASME A112.18.1/CSA B125.1
- ADA ANSI/ICC A117.1

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

Item Number \_\_\_\_\_

Section/Tag \_\_\_\_\_

Model Specified **897-RCF-HOSE**

Architect \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor \_\_\_\_\_

[ ] Submitted as Shown ☒ Submitted with Variations

Date \_\_\_\_\_



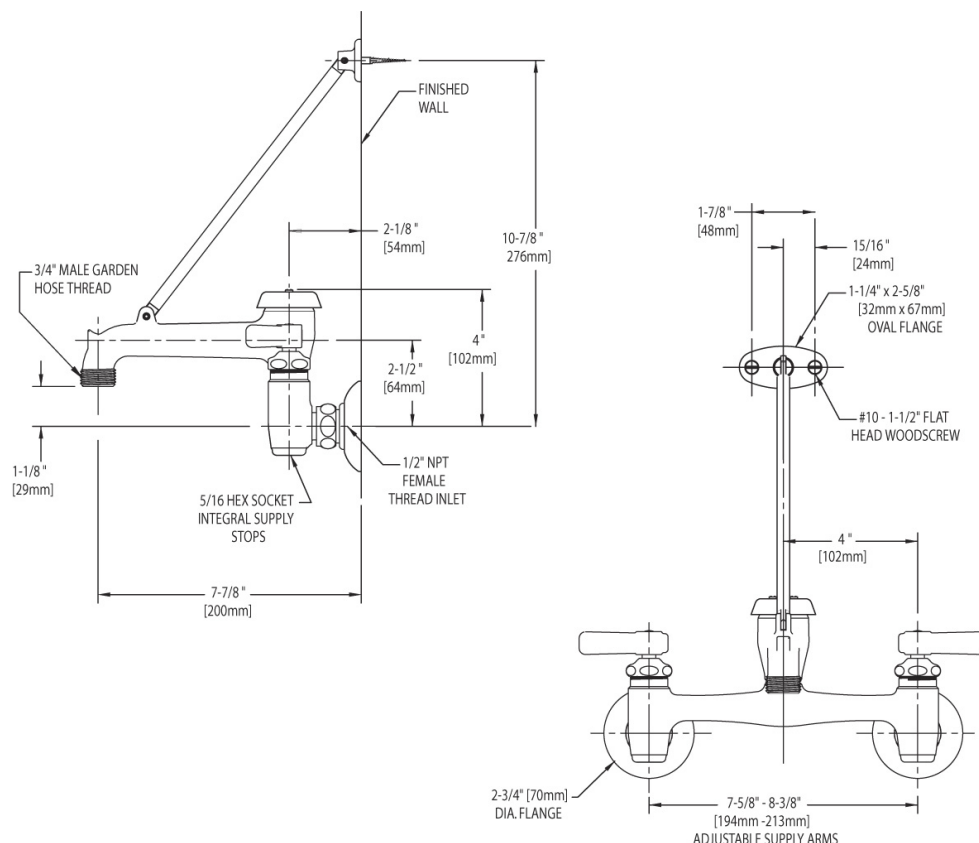
HOSE - INCL HOSE

# 897-RCF

## Manual Faucets

### Architect/Engineer Specification

Chicago Faucets No. 897-RCF, Sink Faucet for hot and cold water, wall-mounted with 7-5/8" - 8-3/8" adjustable centers. Rough chrome plated. Vacuum breaker spout with pail hook and wall brace. 2-3/8" metal, vandal-proof, lever handles with sixteen-point, tapered broach and secured blue and red index buttons. Ceramic cartridges, open and close in 90 degrees, features square, tapered stem. Adjustable supply arms include 1/2" NPT female union nut. 3/4" male hose thread outlet. Round wall escutcheons. Integral stop valves for servicing the faucet. NOTE: Atmospheric vacuum breaker is NOT intended for continuous pressure applications.



### Operation and Maintenance

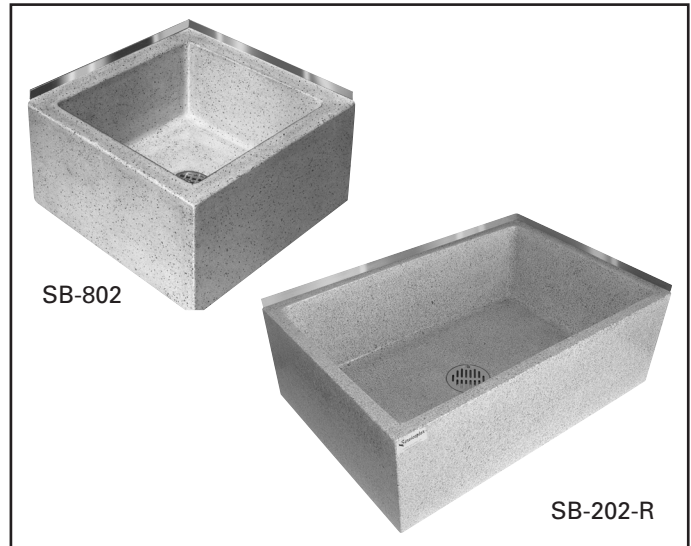
Installation should be in accordance with local plumbing codes. Flush all pipes thoroughly before installation. After installation, remove spout outlet or flow control and flush faucet thoroughly to clear any debris. Care should be taken when cleaning the product. Do not use abrasive cleaners, chemicals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

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



**STERN**  
**WILLIAMS**  
**SERVICEPTOR**  
MOP SERVICE BASINS  
**ARCHITECTURAL**  
**SPECIFICATIONS**

Model No. ( ) Size ( ), as manufactured by Stern-Williams Co., Inc. Shoulders shall not be less than 9-3/4" high inside measurement, and not less than 1-1/4" wide. Tiling flange, cast integral, shall extend 1" above shoulder on 1,2 or 3 sides ( as job required). Drain shall be cast brass with stainless steel strainer cast integral and shall provide for a caulked lead connection not less than 1" deep to a 3" pipe. Receptor composed of pearl grey marble chips and white Portland cement ground smooth, grouted and sealed to resist stains. Stainless steel cap of one piece 20 ga. 302 stainless steel cast integral on all four sides.



**WITH STAINLESS STEEL CAP**

MODEL	FLANGES
24" X 24" x 12"	
SB-900	without tiling flange
SB-901	w/tiling flange - 1 sd.
SB-902	w/tiling flange - 2 sds.
SB-903	w/tiling flange - 3 sds.
32" X 32" x 12"	
SB-700	without tiling flange
SB-701	w/tiling flange - 1 sd.
SB-702	w/tiling flange - 2 sds.
SB-703	w/tiling flange - 3 sds.

MODEL	FLANGES
36" X 36" x 12"	
SB-500	without tiling flange
SB-501	w/tiling flange - 1 sd.
SB-502	w/tiling flange - 2 sds.
SB-503	w/tiling flange - 3 sds.
36" X 24" x 12"	
SB-300	without tiling flange
SB-301	w/tiling flange - 1 sd.
SB-302-L	w/tiling flange - 2 sds.
SB-302-R	w/tiling flange - 2 sds.
SB-303	w/tiling flange - 3 sds.

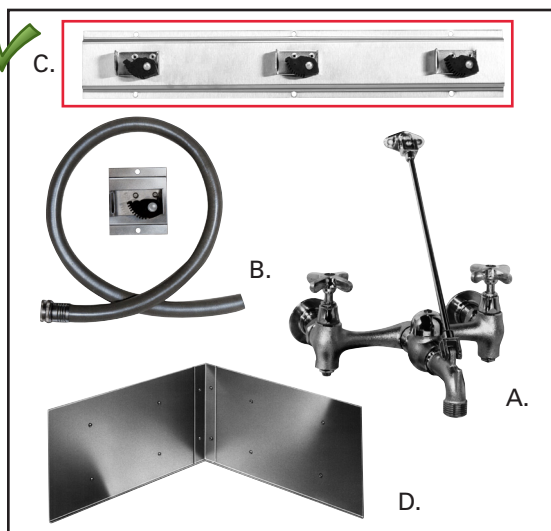
\* Flange is across back and on LEFT side on model numbers ending in "L".

**WITHOUT STAINLESS STEEL CAP**

MODEL	FLANGES
24" X 24" x 12"	
SB-800	without tiling flange
SB-801	w/tiling flange - 1 sd.
SB-802	w/tiling flange - 2 sds.
SB-803	w/tiling flange - 3 sds.
32" X 32" x 12"	
SB-600	without tiling flange
SB-601	w/tiling flange - 1 sd.
SB-602	w/tiling flange - 2 sds.
SB-603	w/tiling flange - 3 sds.

MODEL	FLANGES
36" X 36" x 12"	
SB-400	without tiling flange
SB-401	w/tiling flange - 1 sd.
SB-402	w/tiling flange - 2 sds.
SB-403	w/tiling flange - 3 sds.
36" X 24" x 12"	
SB-200	without tiling flange
SB-201	w/tiling flange - 1 sd.
SB-202-L	w/tiling flange - 2 sds.
SB-202-R	w/tiling flange - 2 sds.
SB-203	w/tiling flange - 3 sds.

\* Flange is across back and on RIGHT side on model numbers ending in "R".



**QUALITY OPTIONAL FITTINGS**

- A. **T-10-VB** Mop-Service sink fitting with vacuum breaker, adjustable top brace, 3/4" hose thread on spout with bucket hook inlets 8" on center, chrome finish.  
**T-15 VB** same as above with polished chrome finish.
- B. **T-35** Hose and wall hook. Hose 36" long, with 3/4" chrome couplings. Wall bracket of stainless steel.
- C. **T-40** Stainless Steel Mop Hanger of stainless steel with #4 finish. . . 24" long, with 3 rubber spring loaded grips.
- D. **BP** Splash Catcher Panels of 20 ga. type 304 stainless steel.

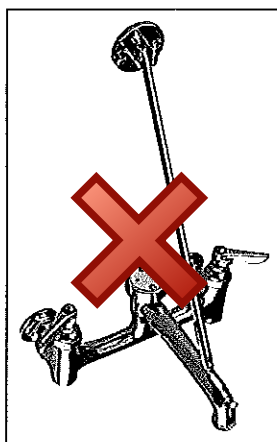
**JOB**

**ARCHITECT**

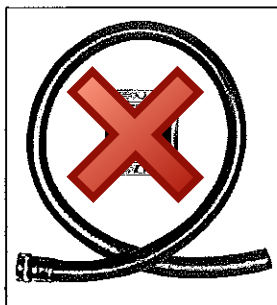
**LOCATION**

**ENGINEER**

## ACCESSORIES FOR MOP SERVICE SINKS



T-15-VB

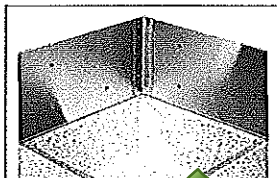


T-35



T-40

### SPLASH CATCHER® WALL GUARDS



BP

### SPEEDI DRAIN CONNECTORS



#### DESCRIPTION

#### MODEL

#### SHIPPING WT.

#### SINK FITTING

With integral stops, vacuum breaker, spring checks, lever handles, adjustable top brace, 3/4" hose thread on spout with bucket hook, inlets 8" on center, rough chrome finish.

T-10-VB

7 lbs. — 3 kg.

As above, with polished chrome finish

T-15-VB

7 lbs. — 3 kg.

#### 36" HOSE

With chrome coupling, stainless steel wall bracket

T-35

1 lb. — .5 kg.

#### LINT BASKET

-LB

1 lb. — .5 kg.

#### MOP HANGER

Stainless steel, #4 finish. 24" long with 3 rubber spring loaded grips

T-40

2 lbs. — 1 kg.

#### SEALANT

Silaprene Sealant in 1/12th U.S. gal. std. cartridge

C-10

1 lb. — .5 kg.

#### TERRAZZO REPAIR KIT

RK

2 lbs. — 1 kg.

#### BUMPER GUARDS

Extruded Vinyl

V-70-24"

1 lb. — .5 kg.

V-70-36"

2 lbs. — 1 kg.

Aluminum

A-20-24"

2 lbs. — 1 kg.

A-20-32"

3 lbs. — 1 kg.

A-20-36"

3 lbs. — 1 kg.

#### Single Panel

Specify size\*

24", 28", 32" or 36"

\*(i.e., BP-1-24")

BP-1-(size)

6 lbs. — 3 kg.

#### Two Panels, One Corner

Specify size\*

24", 28", 32" or 36" square or 24x36"

\*(i.e., BP-2-24")

BP-2-(size)

10 lbs. — 5 kg.

#### Three Panels, Two Corners

Specify size\*

24", 28", 32" or 36" square or 24x36"

\*(i.e., BP-3-24")

BP-3-(size)

15 lbs. — 7 kg.

#### Shower Drain Gasket, 2"

TC-2

1 lbs. — .5 kg.

#### Mop Sink Drain Gasket,

3" For XHCl, plastic and steel pipe

TC-3

1 lbs. — .5 kg.

3" For SV and NHCl pipe

TC-3-NH

1 lbs. — .5 kg.

3" Reducer with 2" hole

TC-3-2

1 lbs. — .5 kg.

Use only with STERN-WILLIAMS shower floors and mop sinks.



## SERV-A-SINK® LAUNDRY TUBS MODELS FL-1, L-1, DL-1

### ✓ **FL-1 FLOOR MOUNTED SERV-A-SINK®** **L-1 WALL HUNG SERV-A-SINK®** **DL-1 DROP-IN SERV-A-SINK®**

Fiat Products uses a specialized SMC process (Molded Stone®) to manufacture all laundry tubs. Moldings are manufactured in matched metal dies under heat and pressure resulting in a homogeneous molded unit. Drain(s) with stopper(s) are furnished as standard equipment. Capacity shall be 76 litres (17 Imp gal) for the single tub sink and 152 litres (33 Imp gal) for the double tub sink. Laundry sinks available in white only.

- All single compartment laundry tubs are available in sixpacks (L-6 and FL-6) and bulk quantities.
- All products must be installed in accordance with installation instructions provided. Failure to do so may invalidate warranty at manufacturer's discretion.

### ✓ **FL-1 Floor Mounted Serv-A-Sink®**

- White baked enamel angle legs that slip into molded sockets for rigid, friction-fit. (Included)
- Easy leveling devices are provided for fast, even planing. Tub is capable of handling 600 pounds.

#### **Nominal Dimensions:**

Overall Outside Dimensions:

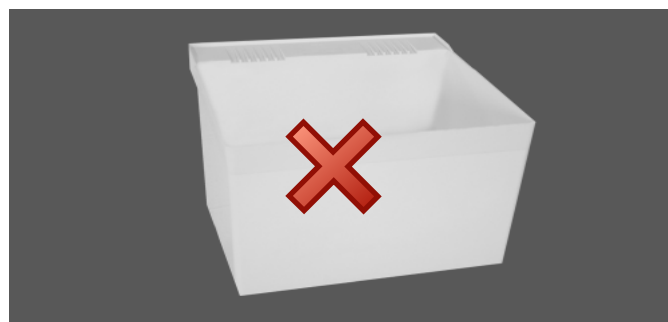
20-1/4" x 17-1/4" x 13" (514 x 438 x 330mm)

Overall height from floor

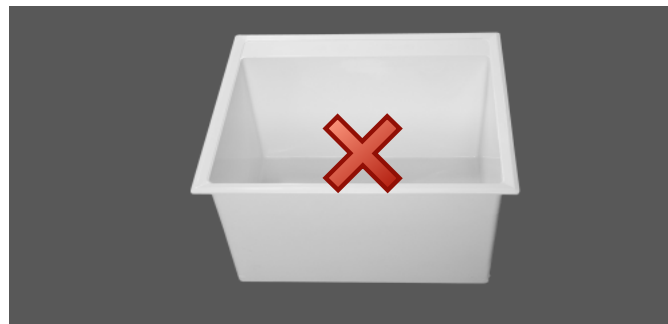
34-3/4" (883mm) CSA Approved



✓ **FL-1 Floor Mounted Serv-A-Sink®**



**L-1 Wall Hung Serv-A-Sink®**



**DL-1 Drop-In Serv-A-Sink®**

### ✗ **L-1 Wall Hung Serv-A-Sink®**

- Heavy gauge galvanized - steel bracket capable of withstanding 600 pounds. (Included)
- Side fillers and bottom tub support, which are assembled in field to the mounting brackets, are made of white molded plastic polymer.

#### **Nominal Dimensions:**

20-1/4" x 17-1/4" x 13" (514 x 438 x 330mm)

### ✗ **DL-1 Drop-In Serv-A-Sink®**

- Designed for a countertop installation.
- Self-rimming flange, four locking corner bars and screws for fast tightening into integral molded mounting legs and against the underside of the countertop. (Included)

#### **Nominal Dimensions:**

22-1/8" x 17" x 12-3/7" (562 x 432 x 324mm)

Underside flange rim sealant for watertightness supplied by others.

#### **Customer Service Canada**

1-800-387-0369  
www.fiat.ca

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

All products are UPC listed

**FIAT**

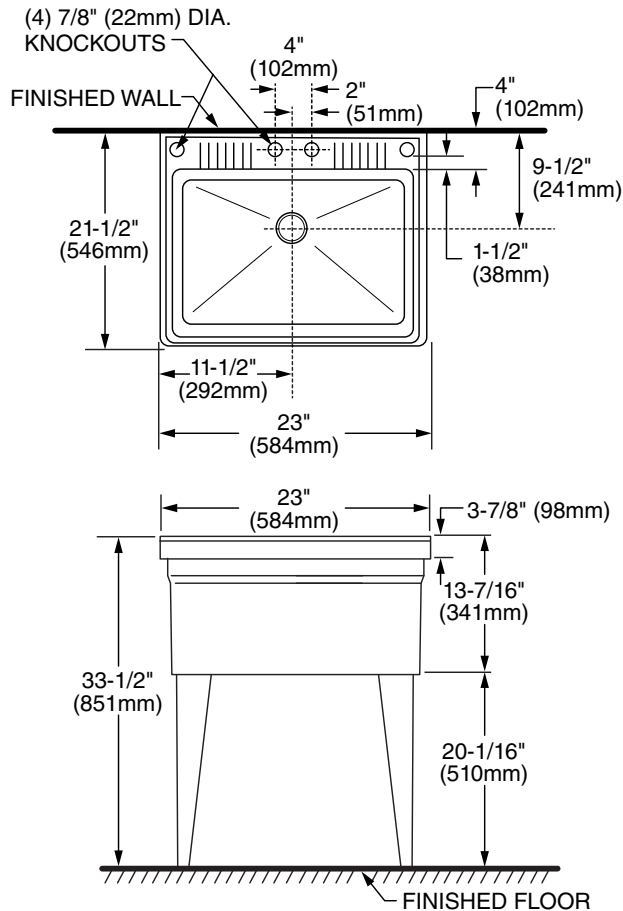
QUALITY FOR LIFE

#### **Customer Service United States**

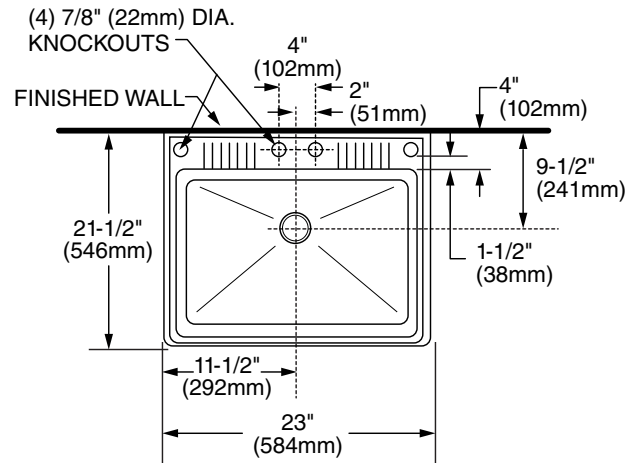
1-800-442-1902  
www.fiatproducts.com



**MODEL FL-1** ✓  
**FLOOR MOUNTED**

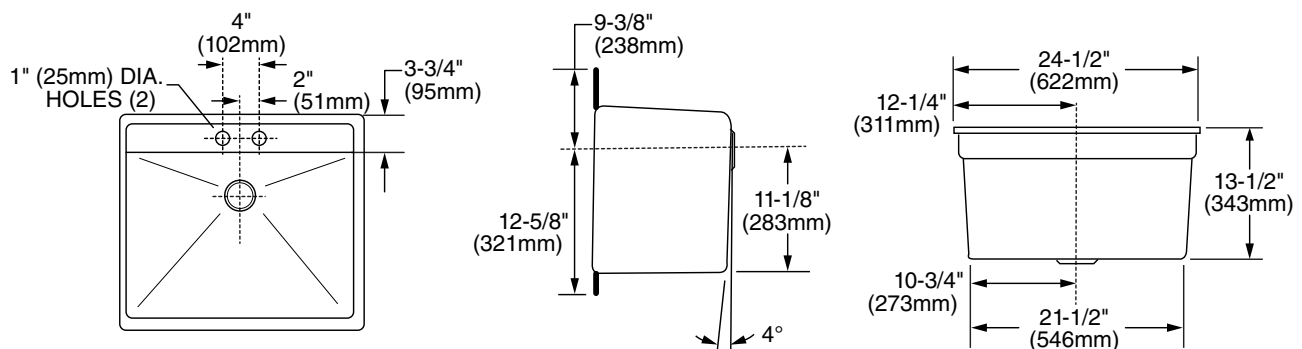


**MODEL L-1** ✗  
**WALL HUNG**

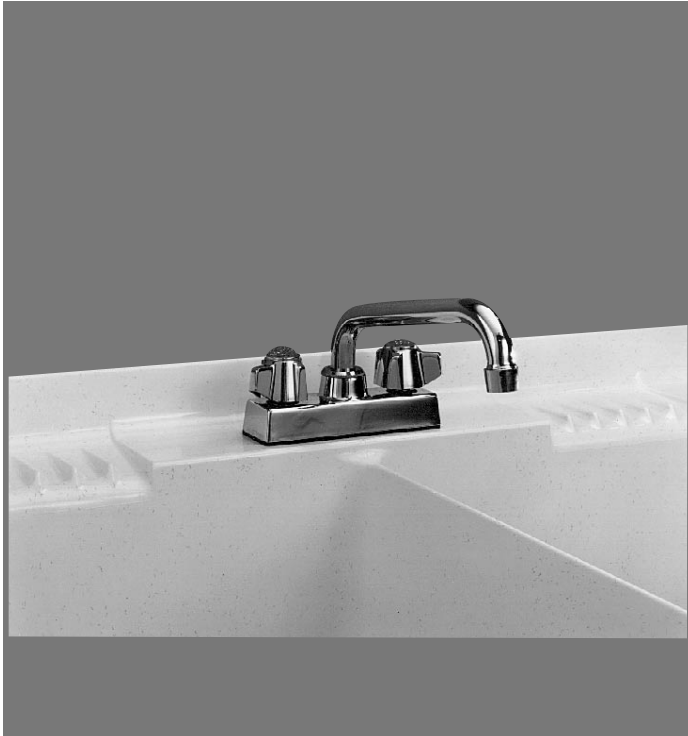


**IMPORTANT:** Roughing-in dimensions  
may vary 1/2" and are subject to change  
or cancellation without prior notice.

**MODEL DL-1** ✗  
**DROP-IN**







### FEATURES

- **A-1 Deck Faucet**

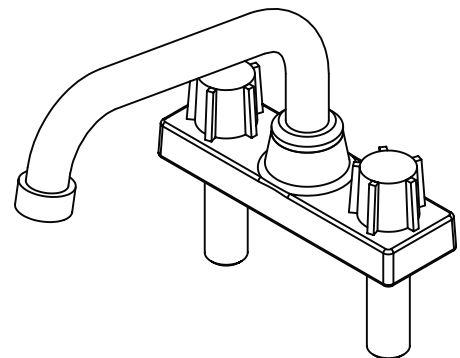
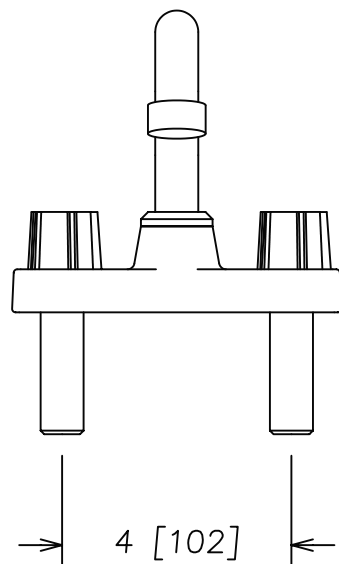
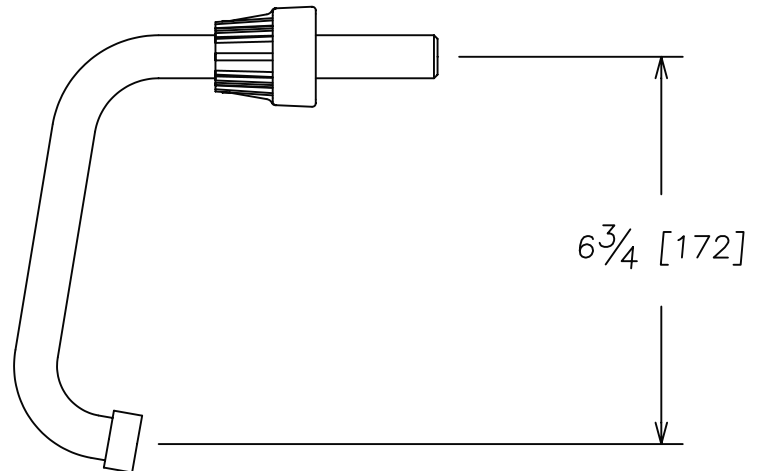
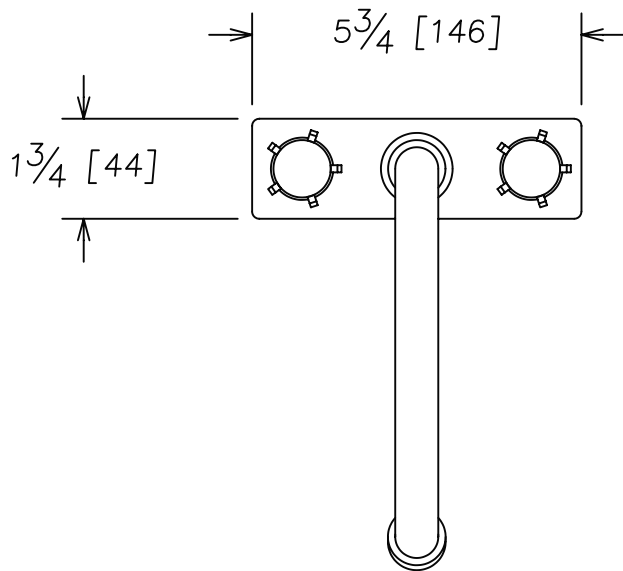
*Chrome-plated, quality built brass faucet with 4" center set and 6 3/4" swing spout. Faucet is used with the Molded-Stone Laundry Tubs and Tuf-Tub Laundry Tubs*

### NOTES

### OPTIONS



**FIAT PRODUCTS**  
A CRANE PLUMBING COMPANY



**FIAT PRODUCTS**  
A CRANE PLUMBING COMPANY

**IMPORTANT:** Roughing-in dimensions may vary  $\frac{1}{2}$ " and are subject to change or cancellation without prior notice.

CR/PL© 12/02 Printed in U.S.A



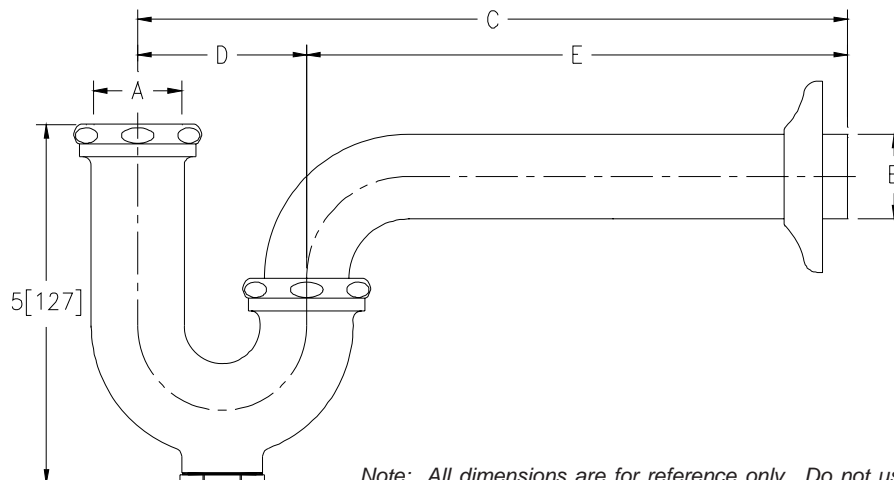
# SEMI-CAST P-TRAPS WITH WALL BEND

## Z8700-PC TO Z8708-PC

### TAG



**Engineering Specification:** Zurn Z8700-PC to Z8708-PC. – Chrome-plated cast brass (copper alloy) body P-trap with cleanout, tubular brass wall bend as specified, die-cast nuts, and shallow escutcheon with compression inlet.



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

PRODUCT NUMBER	A INLET in[mm]	B OUTLET in[mm]	GAUGE	DIMENSIONS			MASTER CARTON	WEIGHT CARTON [lbs]
				C in[mm]	D in[mm]	E in[mm]		
Z8700-PC	1 1/4[32]	1 1/4[32]	17	10[254]	2 1/2[64]	7 1/2[191]	12	24
Z8700-8-PC	1 1/4[32]	1 1/4[32]	17	11[279]	2 1/2[64]	8 1/2[216]	12	24
Z8700-15-PC	1 1/4[32]	1 1/4[32]	17	15[381]	2 1/2[64]	12 1/2[318]	18	40
Z8701-PC	1 1/4[32]	1 1/2[38]	17	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8701-9-PC	1 1/4[32]	1 1/2[38]	17	12[305]	3[76]	9[229]	12	24
Z8701-15-PC	1 1/4[32]	1 1/2[38]	17	15[381]	3[76]	12[305]	18	42
Z8702-PC*	1 1/2[38]	1 1/2[38]	17	10 1/2[267]	3[76]	7 1/2[191]	12	24
<b>Z8702-9-PC*</b>	<b>1 1/2[38]</b>	<b>1 1/2[38]</b>	<b>17</b>	<b>12[305]</b>	<b>3[76]</b>	<b>9[229]</b>	<b>12</b>	<b>24</b>
Z8702-15-PC*	1 1/2[38]	1 1/2[38]	17	15[381]	3[76]	12[305]	18	42
Z8703B-PC**	1 1/2[38]	2[51]	17	12 1/2[318]	3 1/2[89]	9[229]	6	18
Z8704B-PC**	2[51]	2[51]	17	12 1/2[318]	3 1/2[89]	9[229]	6	18
Z8706-PC	1 1/4[32]	1 1/4[32]	20	10[254]	2 1/2[64]	7 1/2[191]	12	24
Z8707-PC	1 1/4[32]	1 1/2[38]	20	10 1/2[267]	3[76]	7 1/2[191]	12	24
Z8708-PC*	1 1/2[38]	1 1/2[38]	20	10 1/2[267]	3[76]	7 1/2[191]	12	24

#### OPTIONAL ACCESSORIES

##### Suffix

##### Description

- B** Brass Nuts
- BX Box Escutcheon
- CE Cast Brass Escutcheon with Setscrew
- D** Deep Escutcheon (Note = not available for Z8703B-PC and Z8704B-PC)
- J Metal to Metal Ground Joint Connection
- WC Waste Connections - Compression
- 15 15[381] C Dim. 1 1/4[32] and 1 1/2[38] Only
- 18 18[457] C Dim. 1 1/4[32] and 1 1/2[38] Only

\* COMES WITH OPTIONAL 1-1/2" x 1-1/4" REDUCTION POLY-WASHER FOR INLET

\*\* SHIPPED WITH BRASS NUTS UNLESS OTHERWISE SPECIFIED

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

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

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

### PRODUCT SPECIFICATIONS

Elkay ezH2O<sup>®</sup> In-Wall Bottle Filling Station with Mounting Frame, Non-Filtered Non-Refrigerated Stainless. Features shall include Antimicrobial, Green Ticker<sup>™</sup>, Hands Free, Laminar Flow, Real Drain. Electronic Bottle Filler Sensor activation. Product shall be Wall Mount (Inwall Frame/Plate), for Indoor applications, serving 1 station(s). Unit shall be certified to UL 399 and CAN/CSA C22.2 No. 120. Unit shall be lead-free design which is certified to NSF/ANSI 61 & 372 (lead free) and meets Federal and State low-lead requirements.

<b>Special Features:</b>	Antimicrobial, Green Ticker <sup>™</sup> , Hands Free, Laminar Flow, Real Drain
<b>Finish:</b>	Stainless Steel
<b>Power:</b>	115V/60Hz
<b>Bubbler Style:</b>	No Bubbler
<b>Activation by:</b>	Electronic Bottle Filler Sensor
<b>Mounting Type:</b>	Wall Mount (Inwall Frame/Plate)
<b>Chilling Capacity:</b>	Non-refrigerated
<b>Full Load Amps</b>	1
<b>Rated Watts:</b>	15
<b>Dimensions (L x W x H):</b>	19-3/4" x 3-1/2" x 40-13/16"
<b>Approx. Shipping Weight:</b>	33 lbs.
<b>Installation Location:</b>	Indoor
<b>No. of Stations Served:</b>	1

#### Special Note: Non-filtered model

- Green Ticker: Informs user of number of 20 oz. plastic water bottles saved from waste.
- Laminar flow provides clean fill with minimal splash.
- Silver Ion Antimicrobial protection on key plastic components to inhibit the growth of mold and mildew.
- Real Drain System eliminates standing water.



**Included with Product:** Bottle Filler (EZWSMDK), Mounting Frame (MFWS100)

#### ▼ Ships in multiple boxes.

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



#### PRODUCT COMPLIANCE

ADA & ICC A117.1

Buy American Act

CAN/CSA C22.2 No. 120

GreenSpec<sup>®</sup>

NSF/ANSI 61 & 372 (lead free)

UL 399



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

[Installation Instructions \(PDF\) - 98557C](#)

[Installation Instructions \(PDF\) - 98560C](#)

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

[Warranty \(PDF\)](#)

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

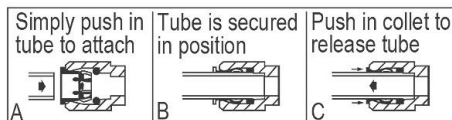
[EWF3000](#)

Elkay WaterSentry Plus Filter System Kit (Bottle Fillers)

[Spec Sheet \(PDF\)](#)



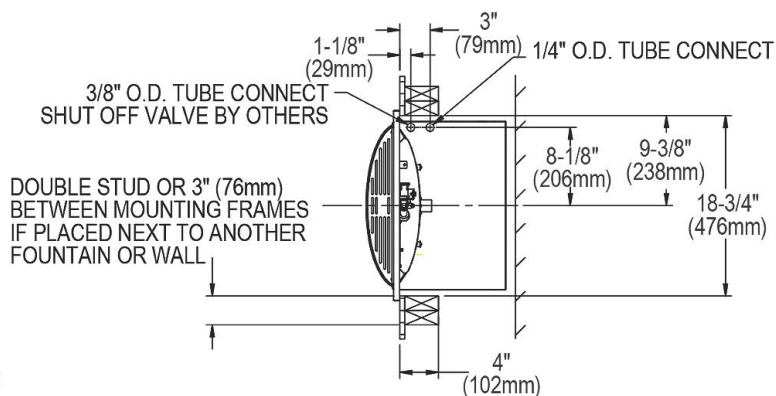
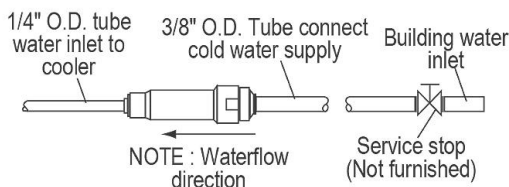
### OPERATION OF QUICK CONNECT FITTINGS



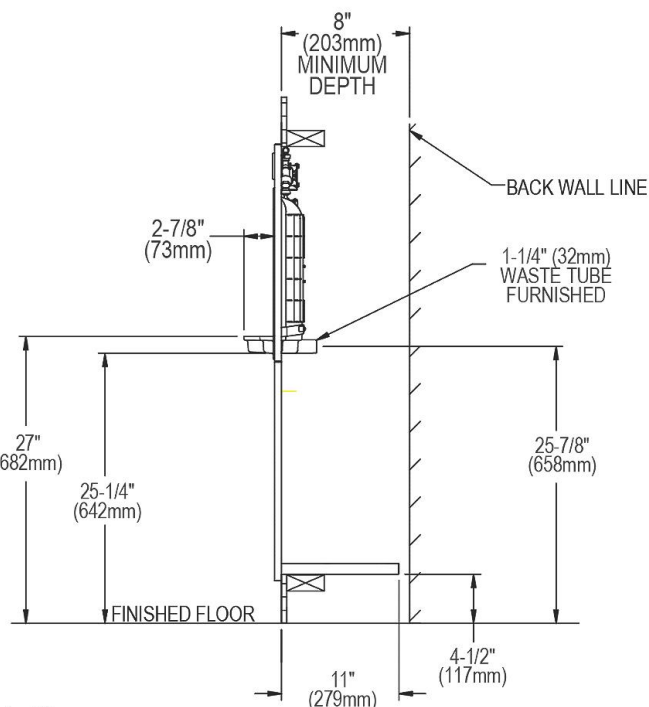
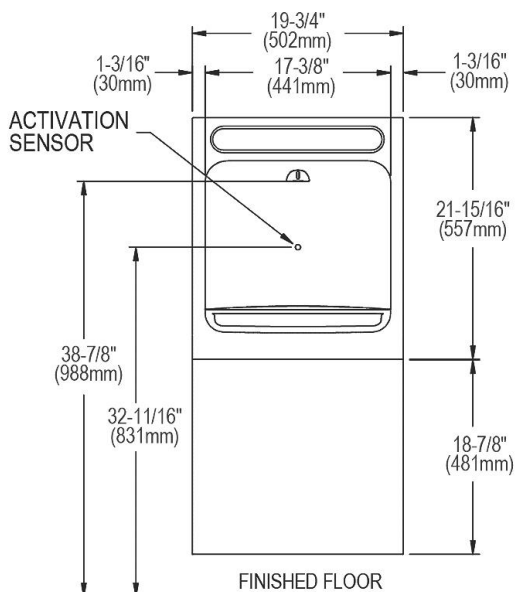
Pushing tube in before pulling it out helps to release tube

### IMPORTANT! INSTALLER PLEASE NOTE :

The grounding of electrical equipment such as telephone, computers, etc., to water lines is a common procedure. This grounding may be in the building or may occur away from the building. This grounding can cause electrical feedback into a water cooler, creating an electrolysis which causes a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by using the proper materials as indicated below. The drain fittings which are provided by the installer should also be plastic to electrically isolate the cooler from the building plumbing system. These products are designed to operate on 20 psi to 105 psi supply line pressure.



### BOTTLE FILLER SPECIFICATIONS



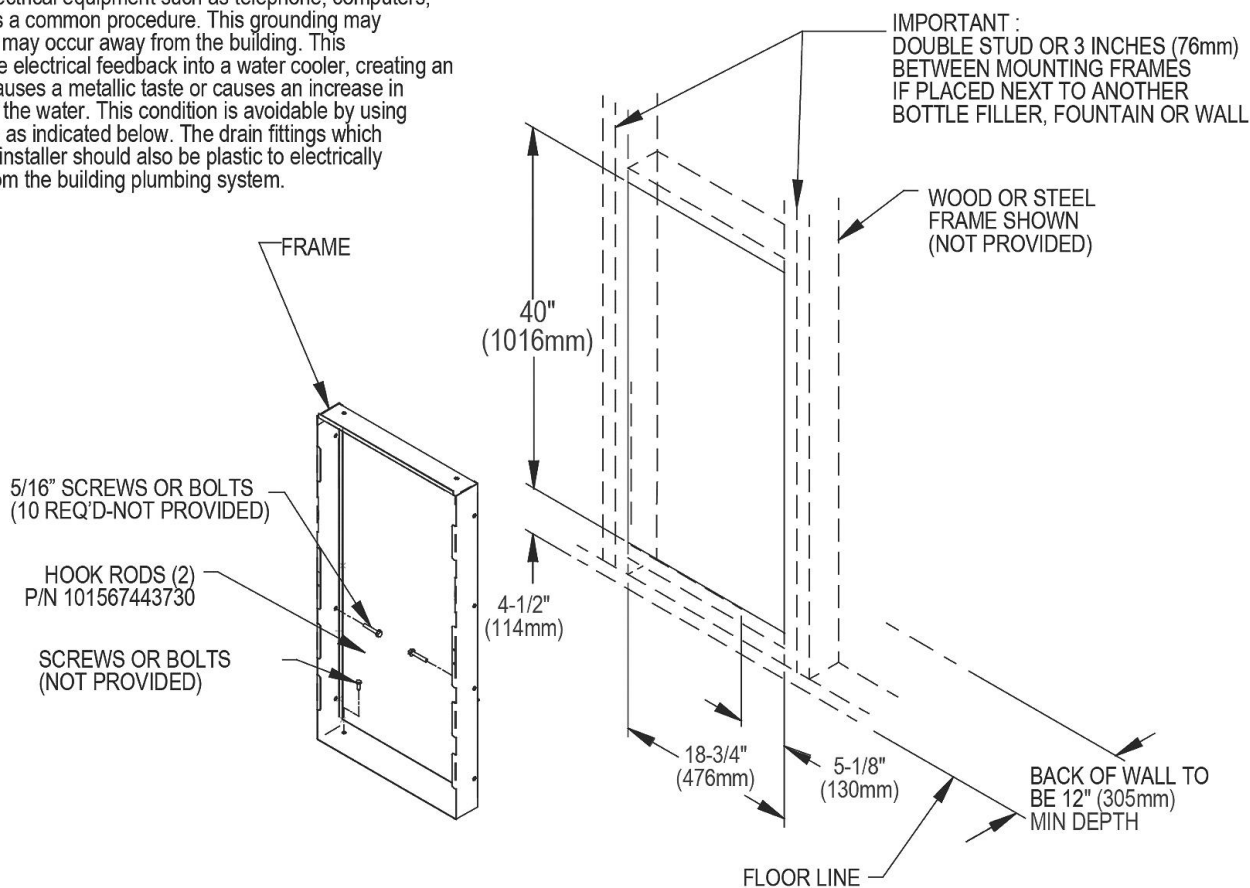
Note : New Installations Must Use Ground Fault Circuit Interrupter (GFCI).  
 It is highly recommended that the circuit be dedicated and the load protection be sized for 20 amps.

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.

MOUNTING FRAME MFWS100 WITHOUT CHILLER SHELF

**IMPORTANT!  
INSTALLER PLEASE NOTE:**

The grounding of electrical equipment such as telephone, computers, etc., to water lines is a common procedure. This grounding may be in the building or may occur away from the building. This grounding can cause electrical feedback into a water cooler, creating an electrolysis which causes a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by using the proper materials as indicated below. The drain fittings which are provided by the installer should also be plastic to electrically isolate the cooler from the building plumbing system.



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**McGUIRE MFG. CO., INC.**

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

## Product Specification

**Part No.**

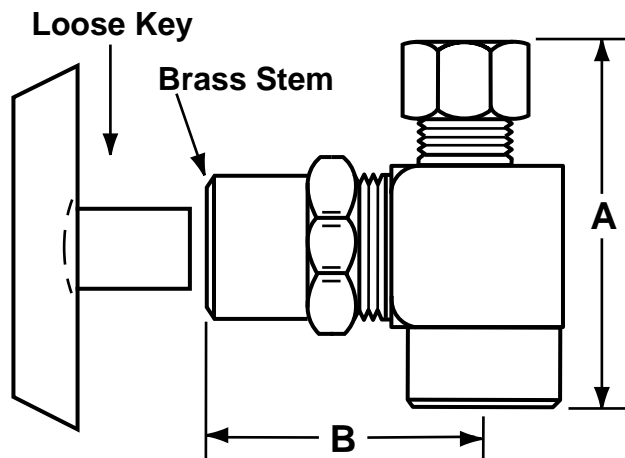
**HST11LK**

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

**Job Name:**

**Submittal Number:**

## Pipe To Compression



MODEL NO.	ROUGHING MEASUREMENTS	A	B
✓ <b>HST11LK</b>	3/8" I.P.S. x 3/8" O.D.	2"	1 -1/2"

**LK** designates *Loose Key*

**CSA** Certified

See options and accessories section for details on product variations.

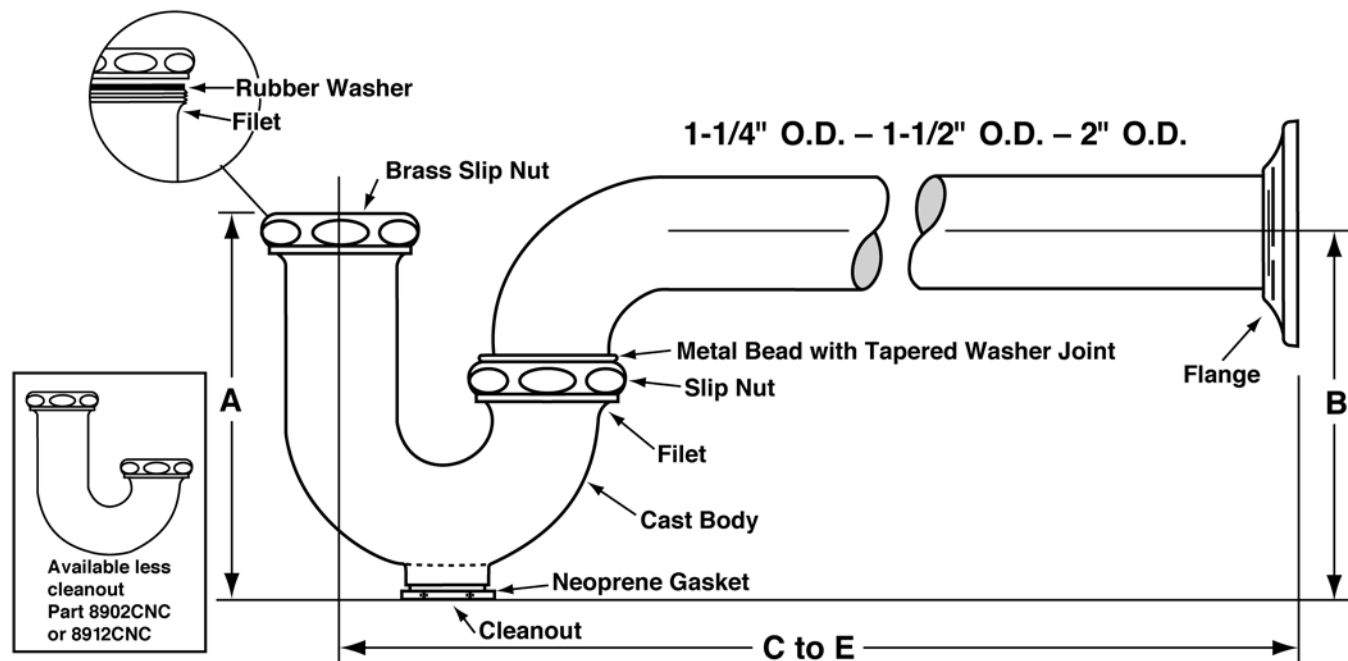
## Specifications:

Chrome plated brass, Heavy 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 HST11LK**. Supply stop valve shall be certified by CSA or other recognized testing authority and bear manufacturer and testing mark. Stop to be certified to 200 psi line pressure.




**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.**
**8872 8902, 8902CNC,  
8912, 8912CNC, 8903, 8904**
**Cast Body P-Trap  
With or Without Cleanout**
**Job Name:**
**Submittal Number:**

**PROFESSIONAL LINE**
**ROUGHING MEASUREMENTS**

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

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


See options and accessories section for details on product variations.

ASME A112.18.1-2011/CSA B125-2.11

**Specifications:**

P-Trap shall be chrome plated cast brass body (with, without) cleanout, with 17 gauge seamless tubular wall bend, cast brass slip nuts. Reducing washers shall be used with reducing cast brass nut. With (shallow, deep, bell) (steel, brass) or (forged brass with set screw) flange. P-Trap shall be McGuire "Classic" Professional Line (8872C, 8902C, 8912C, 8903, 8904). Trap shall be certified by CSA or other recognized testing authority. P-Trap shall bear manufacturer and testing mark.



✓ **G1814P** Eyewash, Wall Mounted, Plastic Bowl



**Application:** Eyewash with plastic bowl for wall mounting. Two GS-Plus™ spray-type outlet heads deliver a flood of water for rinsing eyes.

**Spray Head Assembly:** Two GS-Plus™ spray heads. Each head has a “flip top” dust cover, internal flow control and filter to remove impurities from the water flow.

**Valve:** 1/2" IPS chrome plated brass stay-open ball valve. Valve is US-made with chrome plated brass ball and PTFE seals.

**Bowl:** 11-3/4" diameter orange ABS plastic.

**Mounting:** Heavy duty cast aluminum wall bracket with corrosion resistant powder coated finish.

**Supply:** 1/2" NPT female inlet.

**Waste:** 1-1/4" NPT female outlet.

**Sign:** ANSI-compliant identification sign.

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

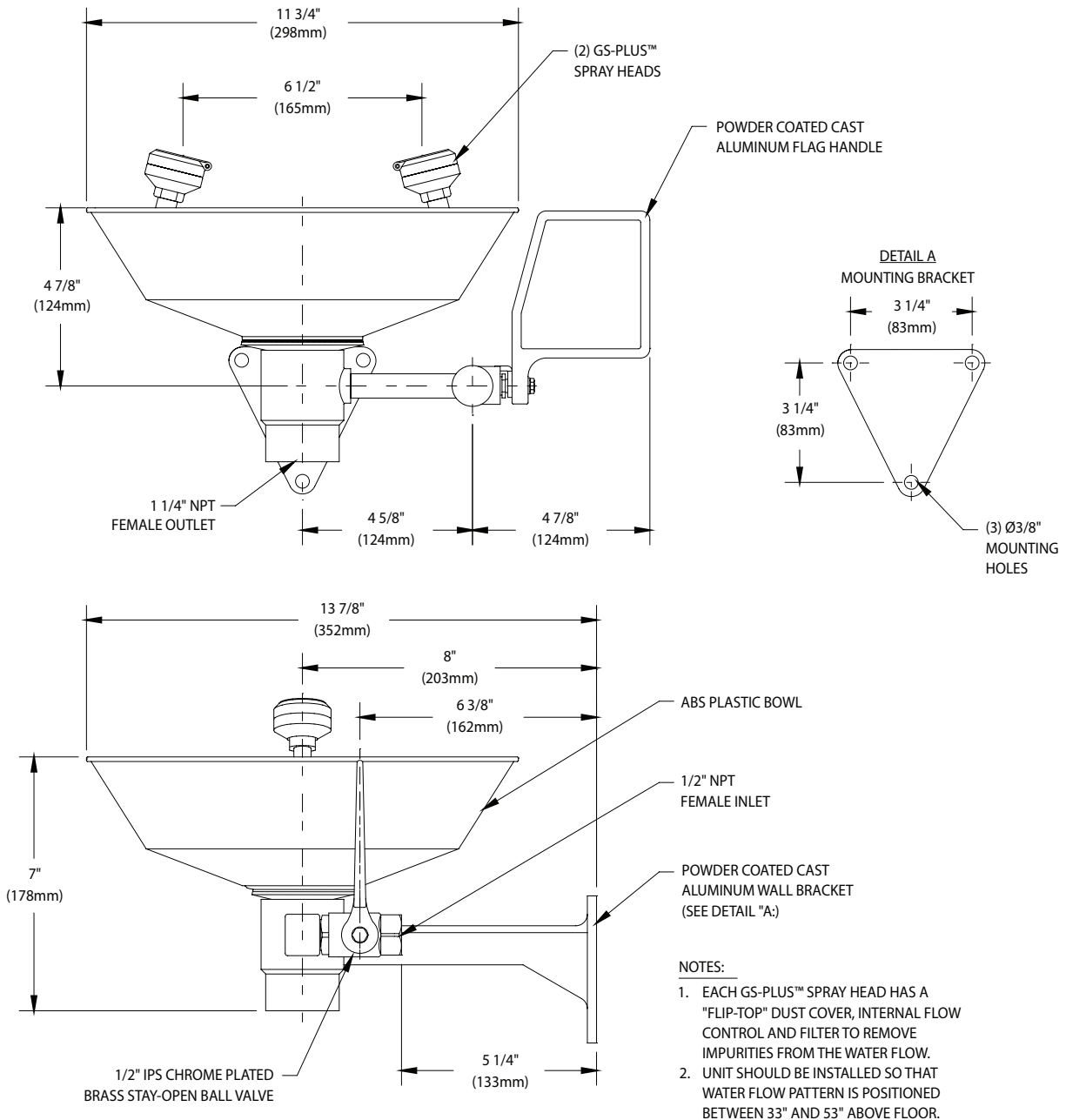
### Available Options

- ☐ **G6020** Thermostatic mixing valve precisely blends hot and cold water to deliver tepid water as required by ANSI Z358.1-2014. Refer to “Thermostatic Mixing Valves” section for complete technical and product selection information.
- ☐ **GRN** Green ABS plastic bowl.
- ☐ **YEL** Yellow ABS plastic bowl.
- ☐ **HS** Auxiliary hand-held drench hose for rinsing eyes, face or body.
- ☐ **T** Chrome plated brass tailpiece and trap with 1-1/2" IPS waste connection.
- ☐ **TP** 1-1/2" OD Chrome plated brass tailpiece.



**G1814P**

Eyewash, Wall Mounted, Plastic Bowl



THIS SPACE FOR ARCHITECT/ENGINEER APPROVAL

Due to continuing product improvement, the information contained in this document is subject to change without notice. All dimensions are  $\pm 1/4"$  (6mm). rev. 080918

Sign Included



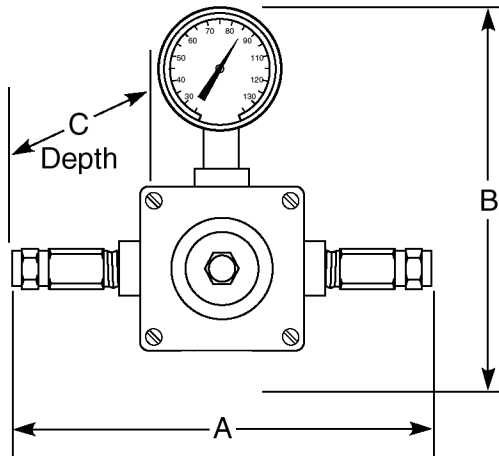
Guardian Equipment  
1140 N North Branch St  
Chicago, IL 60642

312 447 8100 TELEPHONE  
312 447 8101 FACSIMILE  
gesafety.com

Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.



www.lawlervalue.com

**DATA SHEET**

# Thermostatic Mixing Valve Model 911®E/F Emergency Eyewash/Facewash Unit No. 84908

ENG. NO. 84908-E  
PAT. NO. 5,379,936.  
PAT. NO. 5,011,074.

ASSE Lead Free Certified



ASSE 1071 Approved

Inlets & Outlet are 1/2" NPT

The Emergency Eyewash/Facewash Mixing Valve shall control outlet temperature over a wide range of flow and shall be suitable for single eyewash or facewash applications in order to comply with ANSI standard Z358.1-2009. Temperature adjustment shall be vandal-resistant.

The control mechanism shall employ a liquid-filled thermostatic motor to drive the valve without additional power requirements. The control mechanism shall employ a stainless steel sliding piston control device with reverse seat closure and both fixed and variable cold water bypass.

In the event of interruption of the cold water supply, the control mechanism closes off the hot water port, stopping all flow. Positive hot water shut-off.

In the event of interruption of the hot water supply, the control mechanism shall allow cold flow through both the fixed and variable bypass.

In the event that the liquid motor fails, the control mechanism closes off the hot water port with the reverse seat and fully opens the internal variable bypass to allow cold water flow.

Pipe Inlet Size: 1/2".

Maximum Inlet Pressure: 125 PSI.

Recommended Supply Pressure: 65 PSI.

Recommended Inlet Temperature: 120° F.\*

## VALVE FINISH

Rough Bronze ☒



Chrome Plate ☐

## TEMP. RANGE

70° to 90° F

## SET POINT

85° F ☐

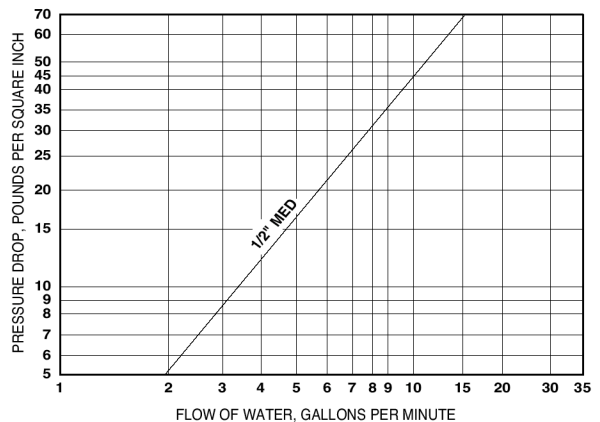
\*When supplying 140°F or greater, additional outlet controls should be used.

The valve is supplied with an outlet thermometer.

## DIMENSIONS:

Valve Number	A	B	C
911E/F	9"	8"	5"

## CAPACITY OF TYPE 911E/F THERMOSTATIC MIXING VALVE FOR EMERGENCY EYE/FACE WASH



## CAPACITIES - MODEL 911E/F

Pressure Drop PSI	5	10	20	30	45
Tempered Flow GPM	2	3	5	7	10
Tempered Flow LPM	7.5	11	18	26	38

## BYPASS CAPACITIES - MODEL 911E/F

Pressure Drop PSI	5	10	20	30	45
Cold Bypass GPM	1	2	4	5	7
Cold Bypass LPM	4	7.5	15	18	26

**Note:** The mixing valve must be installed with inlet check valves and the Eyewash/Facewash fixture should be installed 4 to 10 feet from the mixing valve. Provisions shall be made to thermally isolate the valve. Hot and cold water inlet pressures must be equal.

**LAWLER**  
MANUFACTURING CO., INC.

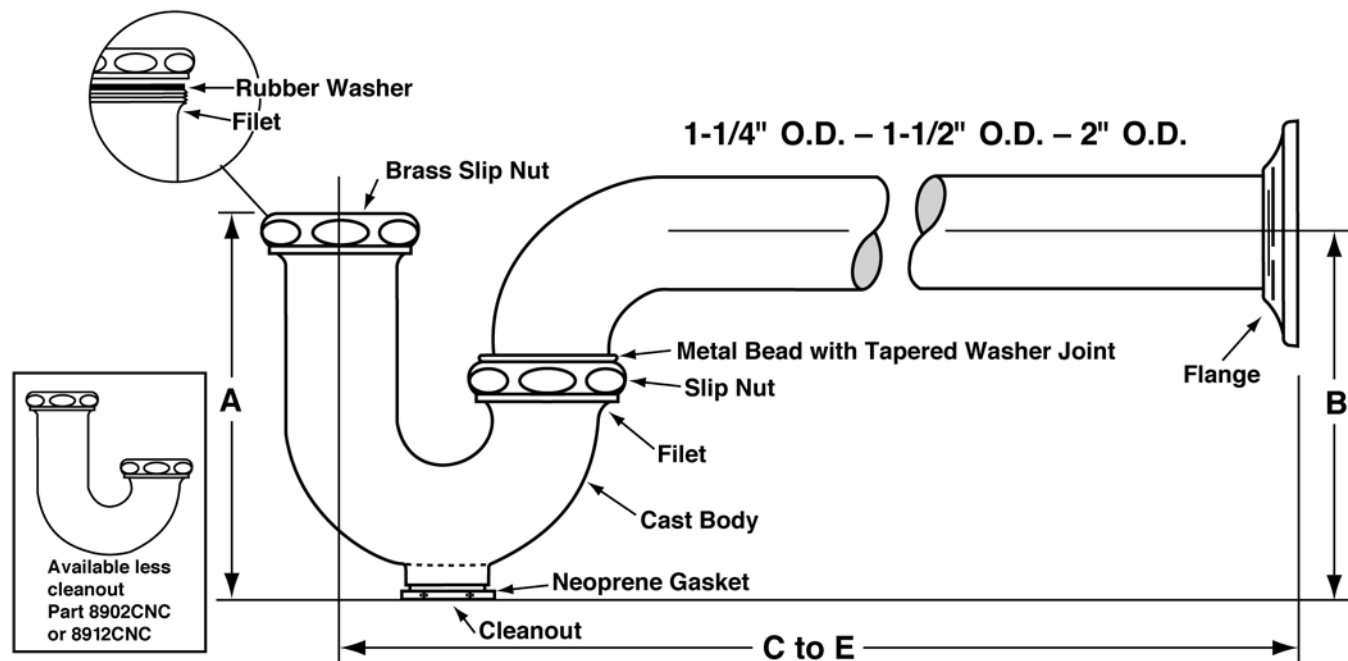
5330 East 25th Street  
Indianapolis, Indiana 46218  
Phone (317) 261-1212  
Fax (317) 261-1208

Helps meet  
ANSI standard  
Z358.1-2009

Design and specification subject to change without notice.


**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.**
**8872 8902, 8902CNC,  
8912, 8912CNC, 8903, 8904**
**Cast Body P-Trap  
With or Without Cleanout**
**Job Name:**
**Submittal Number:**

**PROFESSIONAL LINE**
**ROUGHING MEASUREMENTS**

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

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


See options and accessories section for details on product variations.

ASME A112.18.1-2011/CSA B125-2.11

**Specifications:**

P-Trap shall be chrome plated cast brass body (with, without) cleanout, with 17 gauge seamless tubular wall bend, cast brass slip nuts. Reducing washers shall be used with reducing cast brass nut. With (shallow, deep, bell) (steel, brass) or (forged brass with set screw) flange. P-Trap shall be McGuire "Classic" Professional Line (8872C, 8902C, 8912C, 8903, 8904). Trap shall be certified by CSA or other recognized testing authority. P-Trap shall bear manufacturer and testing mark.



## SF100 HYDRONIC SYSTEM FEEDER TECHNICAL INFORMATION

### DIMENSIONS :

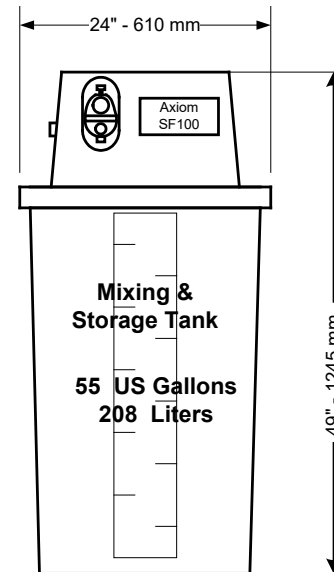
**WEIGHT :** 22.6 kg, 50 lbs (Empty)

### PUMP ELECTRICAL :

115/60/1, 0.7 amps  
3-prong plug and cord

### PUMP PERFORMANCE :

0.09 l/s (1.4 gpm) @ free flow  
0.06 l/s (1.0 gpm) @ 345 kPa (50 psig)  
Self-priming up to 2.1 m (7 feet)  
Maximum liquid temp. 77 C (170 F)



**Certified to CAN/CSA  
C22.2 No. 68**

**Intertek**

**Conforms to  
UL 739901055**

### SPECIFICATION :

Hydronic system feeder shall be AXIOM INDUSTRIES LTD. Model SF100. System shall include 208 litre (55 US gallon) storage/mixing tank with cover; pump suction hose with inlet strainer; pressure pump with thermal cut-out; integral pressure switch; integral check valve; cord and plug; pre-charged accumulator tank with EPDM diaphragm; manual diverter valve for purging air and agitating contents of storage tank; pressure regulating valve adjustable (35 – 380 KPa; 5 – 55 psig) complete with pressure gauge; built-in check valve; union connection; 12 mm (½”) x 900 mm (36”) long flexible connection hose with check valve; low level pump cut-out. Pressure pump shall be capable of running dry without damage. Power supply 115/60/1 0.7 A. Unit shall be completely pre-assembled and certified by a recognized testing agency to CSA standard C22.2 No 68.

### OPTIONAL ACCESSORIES :

- ☐ **2PRV** -- Second Pressure Reducing Valve, Pressure Gauge, System Connector Hose and Check Valve to allow for independent pressure supply to a second system.
- ☒ **RIA10-1-SAA** -- Low level Alarm Panel c/w Remote Monitoring Dry Contacts and Selectable Audible Alarm

### LIMITED WARRANTY :

The SF100 is warranted against defects in materials and workmanship for one year.

Project \_\_\_\_\_  
Consultant \_\_\_\_\_  
Unit Tag \_\_\_\_\_

Location \_\_\_\_\_  
Contractor \_\_\_\_\_  
Sales Agent \_\_\_\_\_



### **Specification:**

#### **✓ AXIOM Industries Alarm Panel: RIA10-1-SAA**

**Electrical Rating Motors:** ¼ hp at 115 Volts/230 Volts

**Cable:** Neoprene, Type SJOW No. 16/2 (7.6 mm Dia.)

**Temperature:** 140° F (60° C)

**Panel Dimensions:** 260mm (10.2 in) x 128mm (5.03 in) x 92mm (3.62 in).

**Alarm Panel Enclosure Rating:** NEMA 1

