

SHOP DRAWING TRANSMITTAL

To: Daniel Cusimano Architect Inc.

Att: Stacey Melville

185 Bridgeland Ave.

Suite 107

Toronto, ON M6A 1Y7

Project: Shopper's Drug Mart

From: Tajinder Singh **Bridlewood Mall** Date: March 18, 2025

2900 Warden Avenue, Unit 156 And 157 File: 6891.pt

Toronto, Ontario

We have reviewed the attached contractor's equipment shop drawings for general conformity with the design documents and are forwarding them to you for your use in association with the above noted project.

The documents are sent by: Courier • Hand • Pick-up • Facsimile • E-mail

Shop Drawings <u>Qty</u> **Notes**

1 Plumbing Fixtures WH-1: Reviewed. No Comments.

ET-1: Reviewed. No Comments.

HS: Reviewed. Ensure plumbing supplies are

provided.



Submittal 25-002-001

PROJECT NAME

PROJECT ADDRESS

DATE SUBMITTED

SDM 713 (2750) - 416 St. Clair Street,

NORTOWN SHOPPING CENTRE 416 ST. Mar 14, 2025 CLAIR STREET CHATHAM, ONTARIO

Chatham 25-002

TO FROM

Nick Cvik INZAMAN KHAN

COMPANY COMPANY

FLUID CONSTRUCTION & PROJECT MANAGEMENT Consult Mechanical Inc.

EMAIL EMAIL

nick@fluidconstruction.ca inzaman@consultmechanical.com

ADDRESS ADDRESS

2800 JOHN ST #23 MARKHAM, ON L3R 0E2 54 Audia Court, Unit 2

Concord, ON L4K 3N5

Title

Plumbing Fixtures

Description

HS: FRANKE COMMERCIAL LBS9106-1

WH-1: A.O. SMITH DEL-10

Package Items

SPEC **SUBSECTION** ITEM **TYPE**



SHOP DRAWING PACKAGE

Prepared for

CONSULT MECHANICAL

SHOPPERS DRUG
MART NORTOWN
SHOPPING CENTRE 41
ST CLAIR STRET
CHATAM

MAR 14TH, 2025



Smith Commercial Electric Water Heaters

lura-Power

Designed for use as a recovery heater having its own storage tank. Available in upright standard models (DEN) and lowboy models (DEL).

GLASS-LINED TANK - Thirteen sizes; 6 thru 119 gallon capacity. Tank interior is coated with glass specially designed by A. O. Smith for water heater use.

ELEMENTS - Zinc plated copper sheaths for longer life. Medium watt density means lower surface temperature to minimize scale build-up and more surface to heat water. Element sizes from 1.5 to 6 KW. Maximum input 12 KW (see chart on back).

STANDARD VOLTAGES - 120, 277 single phase and 208, 240 and 480V unbalanced three-phase delta; easily converted to single-phase at terminal block (except 208V with 6000 watt elements). Single element heater, single-phase only.

TERMINAL BLOCK - Factory-installed. Just bring the service to heater and connect to block. Terminal block not supplied on 120V & 277 volt models.

CONTROLS - Temperature control (adjustable through arange of 110° to 170°F on single element and 120° to 180°Fon dual element) and manual reset high temperature cutoff per element (dual element models). Factory-wired for non-simultaneous operation; easily converted to simultaneous element operation (three phase models only).

CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

SIMPLIFIED CIRCUITRY, COLOR CODED FOR EASE OF SERVICE

ANODE ROD FOR MAXIMUM CORROSION PROTECTION

CABINET HAS BONDERIZED UNDERCOAT WITH BAKED ENAMEL **FINISH**

TOP INLET AND OUTLET OPENINGS

DRAIN VALVE

UL APPROVED FIELD CONVERSION PROGRAM - The 6 through 20 models are UL listed to UL 174 and the 30 through 120 models are listed to UL 1453.

COMPLIANCE - Meets or exceeds the standby loss Requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1.

LIMITED WARRANTY OUTLINE - If the tank should leak any time during the first three years, under the terms of the warranty, A. O. Smith will furnish a replacement heater; installation, labor, handeling and local delivery extra. THIS OUTLINE IS NOT A WARRANTY. For complete information consult the written warranty or A. O. Smith Water

Products Company.

ELEMENT AVAILABILITY CHART

| Input | (120V) | 208V | 240V | 277 V | 480V |
|-------|--------|-------|------|--------------|------|
| 1,500 | YES | YES | YES | YES | |
| 2,000 | YES * | YES | YES | YES | YES |
| 2,500 | YES | YES | YES | YES | YES |
| 3,000 | YES | YES | YES | YES | YES |
| 3,500 | | | YES | | |
| 4,000 | | YES | YES | YES | YES |
| 4,500 | | YES | YES | YES | YES |
| 5,000 | | YES* | YES* | YES* | YES* |
| 5,500 | | | YES* | | |
| 6,000 | —- | YES** | YES | YES | YES |

INTEGRATED ENGINEERING

REVIEW OF THIS DRAWING IS FOR GENERAL CONFORMITY WITH THE DESIGN ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIREMENTS OF THE INSTALLATION.

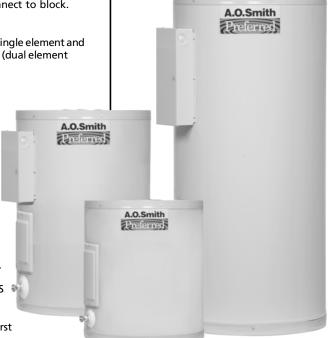
| PROJ | _{No.} 6891 | REVIEWED | V |
|------|---------------------|----------|---|
| DATE | MARCH 18, 2025 | REVISED | |
| BY | TS | RESUBMIT | |

REVIEWED. NO COMMENTS NOTE: DEL-6 not available in above 2.5 KW. DEL-6 not available in 480V.

* Not available in DEL-10, DEL-15 and DEN-30.

** A6 non-simultaneous circuit only.

DEN/DEL **MODELS**

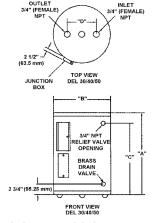


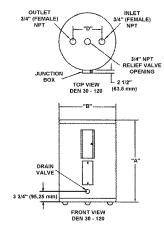


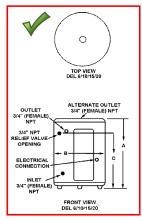


lura-Powe

PRODUCT SPECIFICATIONS







ROUGH-IN DIMENSIONS

| Models | No. of | Tank Cap | acity | Α. | | В | 1 | С | | D | | Shippin | g Weight. |
|------------|-----------------|----------|--------|---------|------|--------|-----|---------|-----|--------|-----|---------|-----------|
| Dimensions | ∠ ements | US Gals. | Litres | inches | mm | inches | mm | inches | mm | inches | mm | Lbs. | Kg. |
| DEL-6 | 1 | 6 | 23 | 15 1/2 | 394 | 14 1/4 | 362 | 11 | 279 | - | - | 35 | 15.9 |
| DEL-10 | 1 | 10 | 38 | 18 1/4 | 464 | 18 | 457 | 12 1/2 | 318 | - | - | 54 | 24.5 |
| DEL-15 | 1 | 15 | 57 | 26 | 660 | 18 | 457 | 20 1/2 | 521 | - | - | 58 | 26.3 |
| DEL-20 | 1 | 20 | 76 | 22 1/4 | 565 | 21 3/4 | 552 | 15 3/8 | 391 | - | - | 73 | 33.1 |
| DEL-30 | 2 | 30 | 114 | 30 7/8 | 784 | 21 3/4 | 552 | 24 1/8 | 613 | 8 | 203 | 100 | 45.4 |
| DEL-40 | 2 | 40 | 151 | 32 1/4 | 819 | 24 | 610 | 25 9/16 | 649 | 8 | 203 | 125 | 56.7 |
| DEL-50 | 2 | 50 | 189 | 32 1/4 | 819 | 26 1/2 | 673 | 25 1/8 | 638 | 8 | 203 | 166 | 75.3 |
| DEN-30 | 2 | 30 | 114 | 34 1/2 | 876 | 20 1/2 | 521 | - | - | 8 | 203 | 98 | 44.5 |
| DEN-40 | 2 | 40 | 151 | 45 1/8 | 1146 | 20 1/2 | 521 | - | - | 8 | 203 | 113 | 51.3 |
| DEN-52 | 2 | 50 | 189 | 54 7/8 | 1394 | 20 1/2 | 521 | - | - | 8 | 203 | 131 | 59.4 |
| DEN-66 | 2 | 66 | 250 | 60 3/4 | 1543 | 21 3/4 | 552 | - | - | 8 | 203 | 176 | 79.8 |
| DEN-80 | 2 | 80 | 303 | 59 3/8 | 1508 | 24 | 610 | - | - | 8 | 203 | 211 | 95.7 |
| DEN-120 | 2 | 119 | 450 | 62 7/16 | 1586 | 29 3/8 | 746 | - | - | 8 | 203 | 326 | 147.9 |

RECOVERY CAPACITIES

| Element | | | | | | lons/Hr a | | s/Hr at T | EMPER/ | | ISE IND | DICATED | |
|---------------|---------|--------|------|--------|------|-----------|------|-----------|--------|--------|---------|---------|-------|
| Wattage | INPUT | F° | 36F° | 40F° | 54F° | 60F° | 72F° | 80F° | 90F° | 100F° | 108F° | 120F° | 126F° |
| (Upper/Lower) | KW | C° | 20C° | 22.2C° | 30C° | 33.3C° | 40C° | 44.4C° | 50C° | 55.5C° | 60C° | 66.6C° | 70C° |
| NON-SIMULATAN | IF S OF | PERATI | ON | | | | | | | | | | |
| /1500 | | GPH | 17 | 15 | 11 | 10 | 8 | 8 | 7 | 6 | 6 | 5 | 5 |
| | 1.5 | LPH | 64 | 58 | 43 | 38 | 32 | 29 | 26 | 23 | 21 | 19 | 18 |
| /2000 | | GPH | 23 | 20 | 15 | 14 | - 11 | 10 | У | ð | 8 | - / | ь |
| | 2.0 | LPH | 85 | 77 | 57 | 51 | 43 | 38 | 34 | 31 | 28 | 26 | 24 |
| /2500 | | GPH | 28 | 25 | 19 | 17 | 14 | 13 | 11 | 10 | 9 | 8 | 8 |
| | 2.5 | LPH | 107 | 96 | 71 | 64 | 53 | 48 | 43 | 38 | 36 | 32 | 30 |
| 3000/3000 | | GPH | 34 | 30 | 23 | 20 | 17 | 15 | 14 | 12 | 11 | 10 | 10 |
| | 3.0 | LPH | 128 | 115 | 85 | 77 | 64 | 58 | 51 | 46 | 43 | 38 | 37 |
| 4000/4000 | | GPH | 45 | 41 | 30 | 27 | 23 | 20 | 18 | 16 | 15 | 14 | 13 |
| | 4.0 | LPH | 170 | 153 | 114 | 102 | 85 | 77 | 68 | 61 | 57 | 51 | 49 |
| 4500/4500 | | GPH | 51 | 46 | 34 | 30 | 25 | 23 | 20 | 18 | 17 | 15 | 14 |
| | 4.5 | LPH | 192 | 173 | 128 | 115 | 96 | 86 | 77 | 69 | 64 | 58 | 55 |
| 5000/5000 | | GPH | 56 | 51 | 38 | 34 | 28 | 25 | 23 | 20 | 19 | 17 | 16 |
| | 5.0 | LPH | 213 | 192 | 142 | 128 | 107 | 96 | 85 | 77 | 71 | 64 | 61 |
| 6000/6000 | | GPH | 68 | 61 | 45 | 41 | 34 | 30 | 27 | 24 | 23 | 20 | 19 |
| | 6.0 | LPH | 256 | 230 | 170 | 153 | 128 | 115 | 102 | 92 | 85 | 77 | 73 |
| SIMULATANEOU | S OPERA | TION | | | | | | | | | | | |
| 3000/3000 | | GPH | 68 | 61 | 45 | 41 | 34 | 30 | 27 | 24 | 23 | 20 | 19 |
| | 6 | LPH | 256 | 230 | 170 | 153 | 128 | 115 | 102 | 92 | 85 | 77 | 73 |
| 4000/4000 | | GPH | 90 | 81 | 60 | 54 | 45 | 41 | 36 | 32 | 30 | 27 | 26 |
| | 8 | LPH | 341 | 307 | 227 | 205 | 170 | 153 | 136 | 123 | 114 | 102 | 97 |
| 4500/4500 | | GPH | 101 | 91 | 68 | 61 | 51 | 46 | 41 | 36 | 34 | 30 | 29 |
| | 9 | LPH | 384 | 345 | 256 | 230 | 192 | 173 | 153 | 138 | 128 | 115 | 110 |
| 5000/5000 | | GPH | 113 | 101 | 75 | 68 | 56 | 51 | 45 | 41 | 38 | 34 | 32 |
| | 10 | LPH | 426 | 384 | 284 | 256 | 213 | 192 | 170 | 153 | 142 | 128 | 122 |
| 6000/6000 | | GPH | 135 | 122 | 90 | 81 | 68 | 61 | 54 | 49 | 45 | 41 | 39 |
| | 12 | LPH | 511 | 460 | 341 | 307 | 256 | 230 | 205 | 184 | 170 | 153 | 146 |

Recovery capacities at 100° F rise equal: for non-simultaneous element operation = 4.1 gal. x KW of one element; for simultaneous element operation = 4.1 gal. x 2/3 KW of both elements. For other rises multiply element KW as previously explained by 410 and divide by temperature rise. Full load current for single phase = total watts +voltage

SUGGESTED SPECS

The water heaters(s) shall be Dura-Power Model(s) No. as manufactured by A. O. SMITH or an approved equal. Heater(s) shall be rated at ____KW, ____volts, ____ phase, 60 cycle AC, and listed by Underwriters' Laboratories. Models shall meet or exceed the standby loss requirements of the U.S. Department of energy and current edition of ASHRAE/IESNA 90.1. Tank(s) shall be ______ gallon capacity. Heater(s) shall have 150 psi working pressure and be equipped with extruded high density anode rod. All steel by firing at a temperature range of 1600°F. Electric heating elements shall be medium watt density with zinc plated copper sheath. Each element shall be controlled by an individually mounted thermostat and high temperature cutoff switch. The outer jacket shall be of backed enamel finish and shall be provided with full size control compartment for performance of service and maintenance through hinged front panels and shall enclose the tank with foam insulation. Electrical junction box with heavy duty terminal block shall be provided (except on 120V & 277V (no junction box on DEL-6 thru 20)). The drain value shall be located in the front for ease of servicing. Heater tank shall have a three year limited warranty as outlined in the written warranty. Fully illustrated instruction manual to be included.

For Technical Information and Automated Fax Service, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.

For Water Heater and Hot Water Storage Tank Applications

| Job Name | Contractor |
|--------------|-----------------------|
| Job Location | Approval |
| Engineer | Contractor's P.O. No. |
| Approval | Representative |

LEAD FREE*

Series PLT

Potable Water Expansion Tanks

Series PLT Potable Water Expansion Tanks are designed to absorb the increased volume of water created by thermal expansion and to maintain balanced pressure throughout the potable water supply system.

Heated water expands, and in a domestic hot water system, the system may be closed when the potable water system is isolated from the public water supply by a one-way valve such as pressure reducing valve, backflow preventer or check valve. Provisions must be made for this expansion.

Series PLT expansion tanks absorb the increased volume of water created when the hot water storage tank is heated and keeps the system pressure below the relief setting of the T&P relief valve.

It is a pre-pressurized steel tank with an expansion membrane that prevents contact of the water with the air in the tank. This prevents loss of air to the water and insures long and trouble-free life for the system. These tanks may be used with all types of Direct Fired Hot Water Heaters (gas, oil or electric) and hot water storage tanks.

Features

- Rugged flexible butyl diaphragm
- Field adjustable pre-charge
- In-line and free standing models
- Can be used with most standard hot water heaters and storage tanks

Models

PLT-5-M1 has 3/4" male connection, tank volume 2.1 gal.

PLT-12-M1 has ¾" male connection, tank volume 4.5 gal. PLT-20-M1 has ¾" male connection, tank volume 8.5 gal. PLT-35-M1 has 1" female connection, tank volume 14.00 gal.

Specifications

The potable water expansion tank shall be of drawn steel construction. It shall have a Butyl diaphragm separating the air chamber from the water containing chamber. Inlet connector shall be Stainless Steel. Materials of manufacture for the diaphragm shall be FDA approved.

The potable water expansion tank shall be a Watts Model PLT.

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.



Standards

Models PLT-5, PLT-12 and PLT-20 are Listed by IAPMO.
Certified to ANSI/NSF 61
Model PLT-35

Certified to ANSI/NSF 61





(73°F/23°C)

Note: The potable water expansion tank shall be installed in the cold water service pipe line on the supply side of the water heater (or water storage tank). A pressure relief valve sized and installed in accordance with local codes must be incorporated in the system.

In those systems requiring a combined temperature and pressure safety relief valve, the temperature and pressure relief valve should be sized and installed in accordance with local codes. Adequate drainage provisions should be provided where water flow will cause damage.

See chart on back

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



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Selection

This Quick Reference Selection Guide may be used as an alternative to using a formula to determine the correct expansion tank for the system. This table is based upon a relief valve setting of 150psi (10.3 bar),

and a maximum of 50°F temperature rise.

To select the correct model PLT series tank, simply go the supply pressure equal to the system supply pressure (for pressures between those shown use next highest supply pressure shown), read across the chart to the correct tank as indicated by the water heater capacity (for capacities between those shown, use next highest capacity).

To accommodate the thermal expansion required for higher temperature and/or higher pressure systems, multiple tanks may be used. Please contact the factory for sizing information.

Materials

Diaphragm: Butyl rubber

Inlet Connection: Stainless Steel

| SUPPLY | | WAT | ER HE | ATER | (GALL | ONS) | | |
|--------------------|---------------|----------|----------|----------|-----------|-------|-----|--|
| PRESSURE (PSIG) | 20 | 30 | 40 | 50 | 80 | 100 | 120 | |
| 40 | | | | | | | | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |
| 60 | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |
| 100 | | | | | | | | |
| 110 | | | | | | | | |
| 120 | | | | | | | | |
| | PLT-5 | V | | | Pl | _T-20 | | |
| | PLT-12 PLT-35 | | | | | | | |
| | Multip | le tanks | required | - consul | t factory | | | |

Watts

Vacuum

Relief

Hot Water to dishwasher

and washing

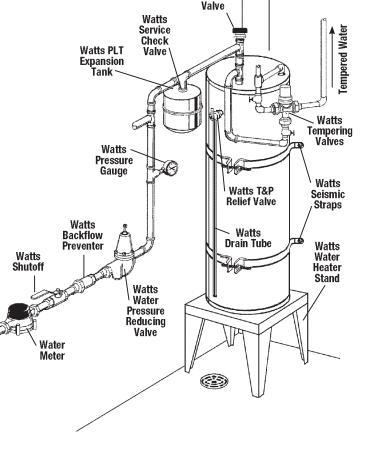
machine

Technical Information

| Description | PLT-5 | PLT-12 | PLT-20 | PLT-35 |
|---------------------------|----------|----------|----------|----------|
| Max. Pressure - PSI | 150 | 150 | 150 | 150 |
| Max. Temp °F | 200 | 200 | 200 | 200 |
| Tank Volume - Gal. | 2.1 | 4.5 | 8.5 | 14.00 |
| Air Pre-charge - PSI | 20 | 20 | 20 | 20 |
| Connections Size - Inches | 3/4 Male | 3/4 Male | 3/4 Male | 1 Female |
| Diameter - Inches | 8 | 10.5 | 12.5 | 16.0 |
| Length - Inches | 11 | 13.5 | 19.2 | 21.7 |
| Weight - Lbs. | 5.5 | 10 | 15 | 32 |

Acceptance Volume

| Air Side Pre-pressure | Water Side Volume at 150psi (gallons) | | | | | |
|--------------------------|--|--------|--------|--------|--|--|
| (psi) | PLT-5 | PLT-12 | PLT-20 | PLT-35 | | |
| 20 | 1.48 | 3.42 | 7.102 | 10.69 | | |
| 40 | 1.26 | 2.88 | 5.882 | 9.17 | | |
| 60 | 1.0 | 2.49 | 4.705 | 7.59 | | |
| 80 | .8 | 1.85 | 4.009 | 6.07 | | |
| | | | | | | |





ISO 9001-2008
CERTIFIED

USA: No. Andover, MA • Tel. (978) 688-1811 • Fax: (978) 794-1848 • www.watts.com **Canada:** Burlington, ONT. (905) 332-4090 • Fax: (905) 332-7068 • www.wattscanada.ca

A Watts Water Technologies Company

ES-PLT 1027

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LBS9106-1 Single Sink



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 waste assembly, location center.

Compartment Size: 9 1/4" x 11 5/8" x 6" (23cm x 30cm x 15cm)

Overall Size: 13 3/4" x 13 5/8" (35cm x 35cm)

Waste Options:

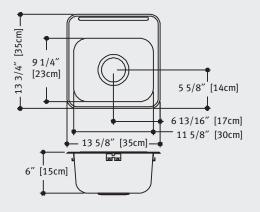
- $-1 = 3 \frac{1}{2}$ " (89mm) crumb cup waste assembly.
- $-3 = 1 \frac{1}{2}$ (38mm) duplex waste assembly, with rubber stopper.

| 3 1/2" waste | 1 1/2" waste | Faucet hole drilling options |
|--------------------------|---------------|-------------------------------------|
| S9106-1/1 LBS9106-1/2 | ☐ LBS9106-3/1 | 1 hole, 1 1/2" diameter |
| LBS9106-1/2 | ☐ LBS9106-3/2 | 2 hole, 1 1/2" diameter, 4" centers |
| ☐ LBS9106-1 | ☐ LBS9106-3 | Custom (non-returnable) |

^{*}For custom please specify drilling requirements.

Notes:

- Electronic specifications, reference 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.



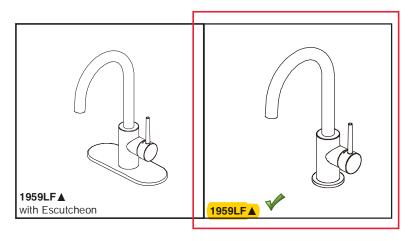
| PROJECT INFORMATION | 1 | | |
|---------------------|---|--|--|
| Project Name: | | | |
| Item Reference: | | | |
| Location: | | | |
| Quote #: | | | |
| Faucet Model #: | | | |
| Drillings Required: | | | |
| Notes: | | | |
| | | | |
| | | | |
| | | | |

CUPC®

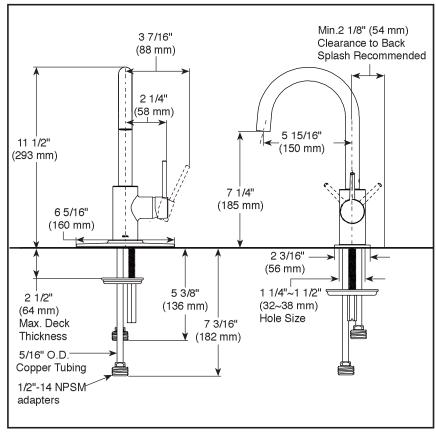
ADA

Franke Kindred Canada Limited 1000 Franke Kindred Road, Midland, Ontario, Canada L4R 4K9 web www.kindred-sinkware.com email info@kindred-sinkware.com Telephone 1-866-687-7465 Fax 1-800-361-8408

22 61562 0311



Submitted Model No.: ______Specific Features:



▲ Designate proper finish suffix



see what Delta can do

BAR & PREP SINK FAUCETS

- Contemporary
- Single Handle Deck Mount

STANDARD SPECIFICATIONS

- One or three hole mount (escutcheon optional, not included)
- Max flow rate 1.5 gpm @ 60 psi, 5.7 L/min @ 414 kPa
- Solid brass fabricated body
- Spout rotates 120°
- Hot/Cold logo on handle to indicate temperature
- Ceramic disc cartridge
- 5/16" staggered copper supply lines with 1/2" adapters
- ADA compliante lever handle
- Order RP77702 for optional escutcheon
- Order RP1001 for coordinating soap dispenser

WARRANTY

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

COMPLIES WITH:

• ASME A112.18.1 / CSA B125.1

Indicates compliance to ICC/ANSI A117.1

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

Delta Faucet Company

55 E. 11 Ith Street, Indianapolis, IN 46280 350 South Edgeware Road, St. Thomas, ON N5P 4L1 © 2019 Delta Faucet Company Cold Inlet

Hot Inlet

Tempered Outlet

www.lawlervalve.com

DATA SHEET

Thermostatic Mixing Valve for Point of Use and Master Controlled Fixtures Model 570

Unit No. 86820

Inlets & Outlet are 3/8" Compression Fit

Certified to ASSE 1017 & 1070 Approved CSA B125.3

The mixing valve for point of use master controlled fixtures shall be a nickel plated thermostatic mixing valve. The mixing valve shall be 3/8" Compression Fit. The mixing valve shall have a spindle to adjust outlet temperature. The mixing valve shall have internal checks. The mixing valve shall be Lawler model 570.

Specifications

- Outlet temperature range: 95-115°F.
- Temperature, hot supply: 180°F max.
- Temperature, cold supply: 40-80°F.
- Temperature stability (nominal): ±5°F.
- Temperature differential (between hot supply and outlet temperature): 10°F.
- Hydrostatic pressure: 125 psi max.
- Permitted supply pressure variation: ±20%.
- Flow rate @ 45psi pressure loss: 7 gpm.
- Flow rate, minimum: .5 gpm.
- Flow rate, maximum: 8 gpm.

Benefits

- Protects against scalding and chilling.
- Offers choice of temperature settings from 95° through 115°F.
- · Easy installation.
- Backed by Lawler's One Year Warranty.
- ASSE 1017 & 1070 approved.

Engineer Approval

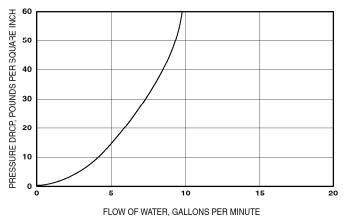


5330 East 25th Street Indianapolis, Indiana 46218 Phone (317) 261-1212 Fax (317) 261-1208

DIMENSIONS:

| Valve Number | A | В | С |
|-----------------|------|------|------|
| M 570 | 5.6″ | 5.4" | 3.4" |

FLOW CAPACITIES - MODEL 570



CAPACITIES - MODEL 570

| Pressure Drop PSI | 5 | 10 | 20 | 40 |
|-------------------|----|------|-------|-----|
| Valve Number | | Сара | acity | |
| 570-GPM | 3 | 4 | 5 | 6.5 |
| 570-LP M | 11 | 15 | 19 | 25 |

Temperature Adjustment

To adjust the mixed outlet temperature of the valve, remove the cap to gain access to the adjusting spindle. The spindle should be rotated-clockwise to reduce the temperature, counter-clockwise to increase the temperature until the desired set point is reached.

Note: For ASSE 1017 & 1070 applications.

Design and specification subject to change without notice.

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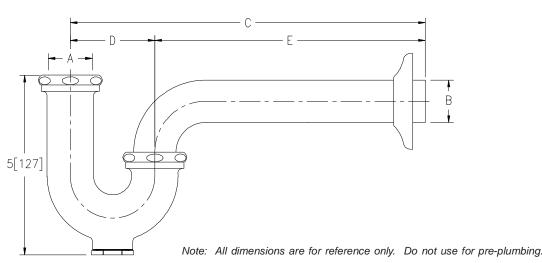
SEMI-CAST P-TRAPS WITH WALL BEND

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.



| PRODUCT | Α | В | | DIMENSIONS | | | MASTER | |
|--------------|--------------|---------------|-------|-------------|-----------|-------------|--------|--------------|
| NUMBER | INLET in[mm] | OUTLET in[mm] | GAUGE | C in[mm] | D in[mm] | E in[mm] | CARTON | CARTON [lbs] |
| 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

-15

| OF HONALACCESSORIES | | | | | |
|---------------------|----------------|--|--|--|--|
| Suf | fix | Description | | | |
| V _ | - B | Brass Nuts | | | |
| | BX | Box Escutcheon | | | |
| _ | <u>-C</u> E | Cast Brass Escutcheon with Setscrew | | | |
| V_ | - D | Deep Escutcheon (Note = not available for Z8703B-PC and Z8704B-PC) | | | |
| · | J | Metal to Metal Ground Joint Connection | | | |
| | WC | Waste Connections - Compression | | | |

____ -18 18[457] C Dim. 1 1/4[32] and 1 1/2[38] Only

15[381] C Dim. 1 1/4[32] and 1 1/2[38] Only

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^{*} COMES WITH OPTIONAL 1-1/2" x 1-1/4" REDUCTION POLY-WASHER FOR INLET
** SHIPPED WITH BRASS NUTS UNLESS OTHERWISE SPECIFIED