1905-CP and 1907-CP Thermostatic Valves

Installation Instructions

Note: Installation should be in accordance with accepted plumbing practices. Flush all piping thoroughly before installation.

TO INSTALL
1. Position mixer 1-15/16” ± 1/2” [49mm ± 13mm] from inlet center to finished wall surface. The tub outlet port is marked “TUB” and should face down. Facing front of mixer, connect hot water to left side and connect cold water to right side. The valve has “C” and “H” cast into the body near the appropriate inlet ports.
2. Valve is factory-set for standard inlets. If reversed inlets are required due to back-to-back installation (Cold water supply on the left and Hot water supply on the right), follow instructions a – d below:
   a. Connect cold inlet to hot port (“H”) and hot inlet to cold port (“C”). Note: Do not turn valve upside down. If valve is upside down, water will not flow properly through tub spout or showerhead.
   b. Turn water off with checkstops, remove bonnet and cartridge.
   c. Reinstall cartridge. “H” on the cold side of the valve body and “C” should be on the hot side of the valve body.
   d. Reinstall bonnet with high temperature limit stop on it.
   Note: Be certain that valve opens in full cold!
3. For tub and shower installations (see Figure 1). Pipe bottom outlet port “TUB” directly to the diverter tub spout. The mixer body is designed to operate without the use of a twin ell. Pipe top outlet port “S” to the showerhead.
4. For shower only installation (see Figure 2). Pipe top outlet port “S” directly to the showerhead and plug bottom port.
5. Rough-in guide installation:
   a. When piping installation is complete and before doing the finished wall, slide rough-in guide onto the mixer stem and press it into place (see Figure 4).
6. To install dial gaskets, peel backing off gaskets and attach to the inside top edge of the trim plate. Gasket on the gasket matches horizontal holes on the trim plate.
7. a. Install trim plate.
   b. Snap on the indicator plate. Guide on the back of the plate goes into the locator hole.
   c. Install sleeve O-ring on the bonnet. Slide sleeve on the bonnet.
   CAUTION: Indicator plate must be installed before sleeve.
   d. Install handle and tighten the set screw.
   CAUTION: When soldering during installation process, do not heat the valve any higher than the temperature required to flow solder. Excessive overheating of the valve may cause damage to the cartridge mechanism. By following this recommendation, you will be able to solder the valve without removing either the cartridge or the checkstop internals. If either brazing or resistance (electric) solder is to be used, all valve internals must be removed.
8. Maximum temperature setting adjustment (see Figure 5) must be set on the job to in no case greater than 110°F (43°C). The high temperature limit stop is located on the bonnet. Rotate handle to the maximum desired outlet temperature. With an open-end wrench, screw high temperature limit stop into bonnet until it touches stem’s shoulder. Close valve and open it to full hot to verify settings.
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Valve Construction: Combination mixing valve, with heavy cast bronze body and brass stem. Concealed adjustable high temperature limit stop. Available with ADA-compliant ABS or metal lever handle.

Connections: 1/2" Sweat Inlet/Outlet
Capacity: 0.5 gpm @ 45 psi differential, hot water supply between 140°-180°F (60°-82°C), cold water supply less than 70°F (21°C).

Maximum Hot Water Supply Temperature: 190°F (88°C)
Minimum Hot Water Supply Temperature (Approach Temperature): 10°F (5.6°C) above set point
Maximum Operating Pressure: 125 psig (862 kPa)
Temperature Ranges (for +/- 3°F performance): ASSE 1016 Type T/ 80-110°F (28-43°C)

High Temperature Limit Stop: Adjustable (factory set to 110°F [43°C])
Maximum Static Pressure: 125 psig (862 kPa)
Minimum Flow: 0.5 gpm (1.89 L/min)

Approval Standards: ASSE 1016, ASME 112.18.1, CSA B125.1
Shipping Weight: 3.5 lbs. (1.6 kg)

All 1905-CP and 1907-CP combination mixing valves meet above performance specifications based on typical operating conditions as stated in ASSE 1016. If your operating conditions vary from those stated in the standard, performance may vary as well. Consult your local sales representative or a Chicago Faucet Representative to discuss your specific application. All Chicago Faucets thermostatic mixing valves perform to the requirements of standards ASSE 1016 and CSA B125.

CHICAGO FAUCETS LIMITED WARRANTY

TO WHOM DOES THIS WARRANTY APPLY?
The Company extends the following limited warranty to the original user only.

WHAT DOES THIS WARRANTY COVER AND HOW LONG DOES IT LAST?
This Product is warranted against material manufacturing defects for a period of one (1) year from the date of Product purchase.

WHAT THIS WARRANTY DOES NOT COVER
The Company will not be liable for any labor, transportation or consequential expenses not specifically stated above. There is NO WARRANTY in cases of damage in transit, negligence, abuse, abnormal usage, misuse, accidents, normal wear and tear, damage due to environmental or natural elements, failure to follow the Company’s instructions, unauthorized repair, incorrectly performed maintenance or repair, improper installation or storage or use of acids, abrasive cleaning materials or incorrect cleaning procedures. Any oral or written description of the Products is for the sole purpose of identifying the Products and shall not be construed as an express warranty.

OUTSIDE THE US
All other Products not covered above are warranted against material manufacturing defects for a period of one (1) year from the date of Product purchase.

HOW TO GET SERVICE
For complete warranty details, or to provide notice of a warranty claim or request warranty service, contact your Chicago Faucets Sales Representative or The Chicago Faucet Company, Customer Service, 2100 S. Clearwater Drive, Des Plaines, Illinois 60018 or 847/903-5000. As the Company’s sole and exclusive obligation under this warranty (and Buyer’s sole and exclusive remedy), upon prompt written notice of breach from Buyer during the warranty period, the Company will either replace or repair any defective Product or refund the wholesale purchase price, at its option, if an inspection by the Company discloses defects in material or workmanship covered by this warranty. These warranty provisions do not cover the battery shipped with the electronic products.

LIMITATION ON DAMAGES
IN NO EVENT SHALL THE COMPANY BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SPECIAL DAMAGES, WITHOUT LIMITING THE FOREGOING, THE COMPANY SHALL NOT BE LIABLE FOR ANY DAMAGE A PALM DEVICE OR ANY SOFTWARE OR RELATED EQUIPMENT ALLEGEDLY CAUSES TO A SYSTEM OR OTHERWISE. THE COMPANY’S AGGREGATE LIABILITY WITH RESPECT TO A DEFECTIVE PRODUCT AND THIS CONTRACT SHALL BE LIMITED TO AN AMOUNT EQUAL TO THE MONIES PAID TO THE COMPANY FOR THAT DEFECTIVE PRODUCT.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

HOW DOES STATE LAW APPLY?
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Restrictions Apply
Additional Technical Documentation
Please visit the product page at www.chicagofaucets.com for additional instructions in French and Spanish languages.

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