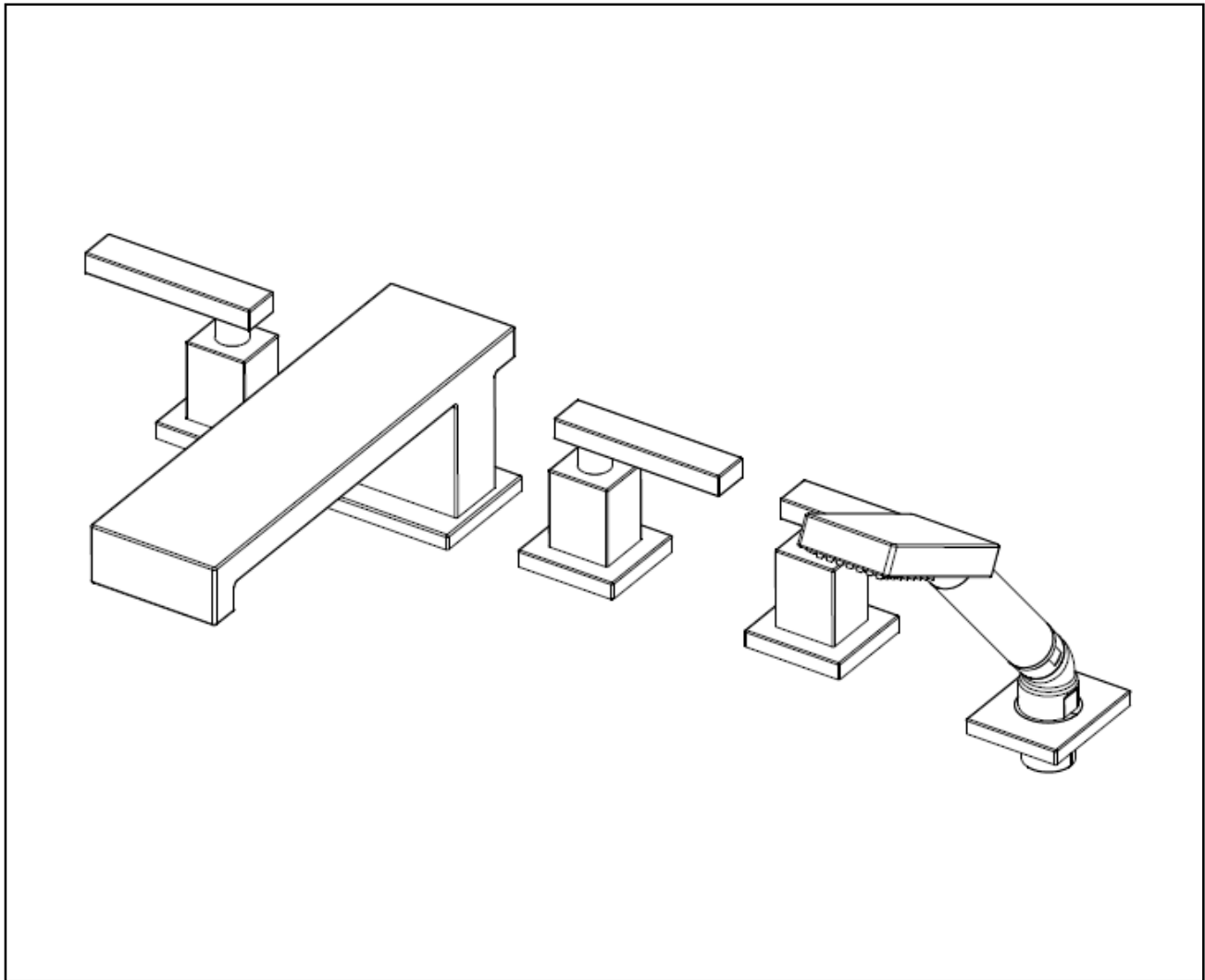


M E T R O

ROMAN BATH WITH HAND SHOWER INSTALLATION INSTRUCTIONS

| | |
|-------------------------|-------|
| Valve Model No`s | I-657 |
| Trim Kit for Model No's | 2567 |



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Rough in valve Installation

We recommended Installation of this product by a Professional Plumbing Contractor

Note: Use Teflon tape or equivalent to seal all threaded joints.

Warning: To prevent severe damage to valve body, any solder/braze process must be performed a min. of 4" from ports.

It is strongly recommended that an access panel(s) is built into the roman bath surround. Access panels allow for ease of trim installation and future possible repairs.

Valve Installation

1. Place flange NUT (1) on valve BODY (2).
2. Insert BODY (2), (blue cold & red hot), through hole from below mounting surface.
3. Adjust and secure with INVERTED NUT so that the top of valve stem is 1-5/16" above the mounting surface. See Figure 1.

Spout Installation

1. Slide spout NIPPLE (3) through center hole of mounting surface. SPOUT (4) to be flush with deck. Note: Spacer (80125, not supplied) maybe necessary to clear bath rim.
2. Secure into place with WASHER (6) and MOUNTING NUT (7). See Figure 2.

Diverter and Deck Flange Installation

Note: The maximum distance between mounting holes is 18".

1. Thread flange NUT (15) onto diverter VALVE (14).
2. Insert diverter VALVE (14), through hole from below mounting surface.
3. Adjust and secure with flange CAP (13) so that the top of diverter stem is 1-5/16" above the mounting surface. See Figure 3.
4. Thread ADAPTER (14a) onto top of diverter VALVE (14).
5. Attach deck FLANGE (7) onto NIPPLE (8).
6. Insert NIPPLE (8) through hole in mounting surface.
7. Place rubber WASHER (9), brass WASHER (10) and flange NUT (11) onto NIPPLE (8) and tighten.
8. Attach plastic SLEEVE (12) onto end of NIPPLE(8).

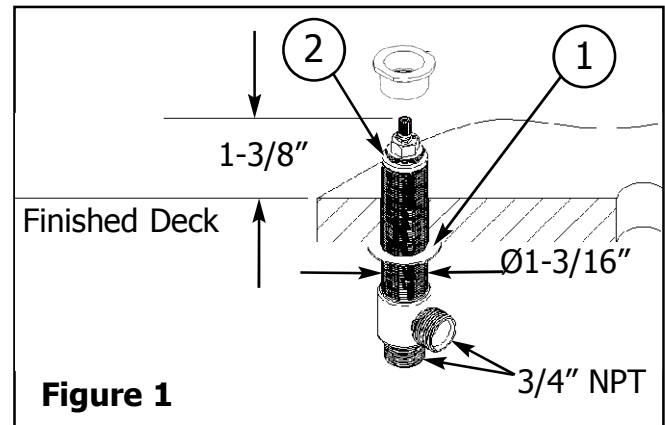


Figure 1

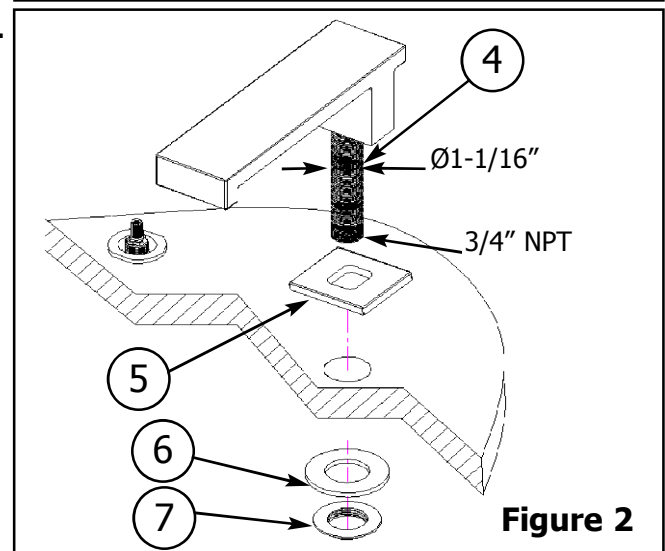


Figure 2

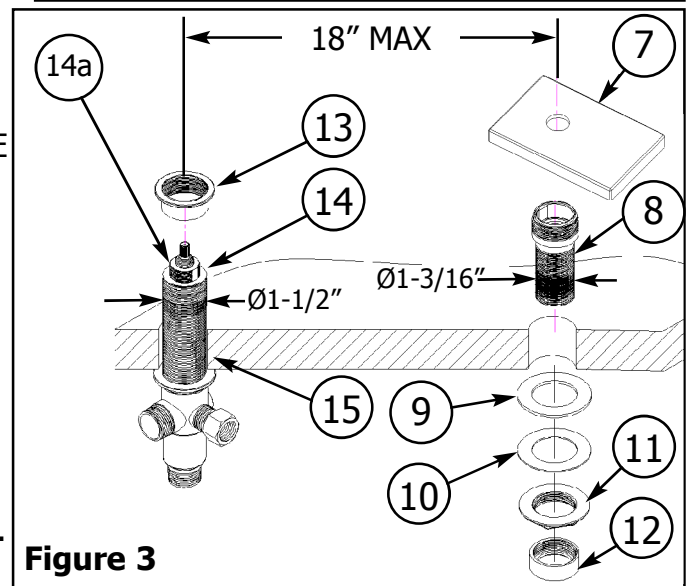


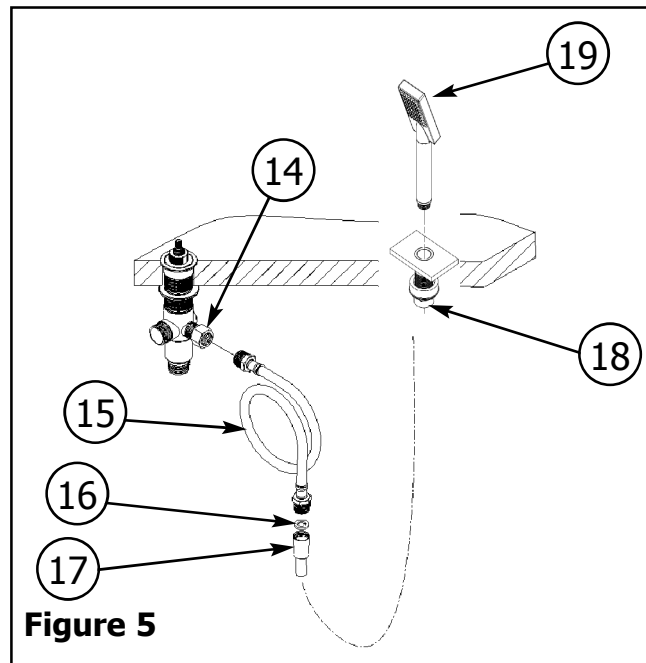
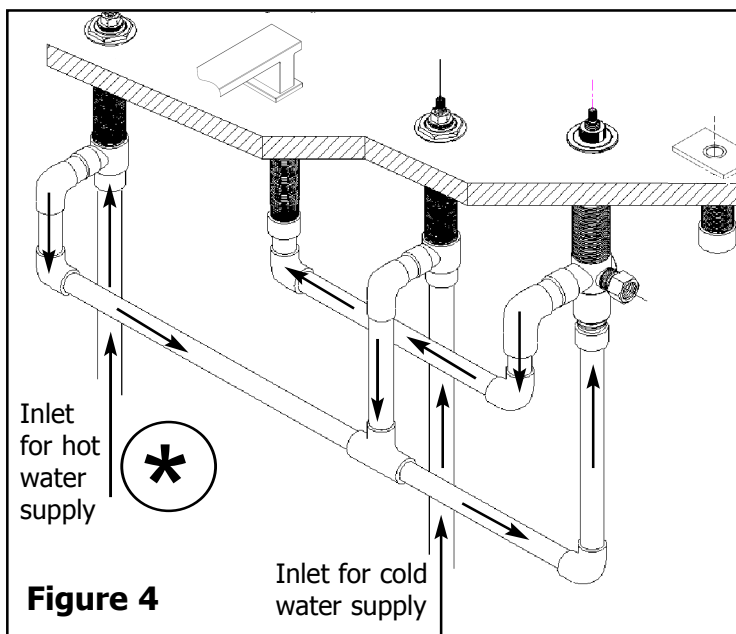
Figure 3

Trim Installation

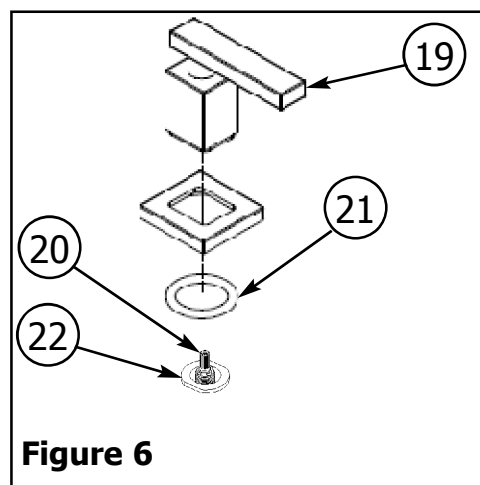
1. Utilizing 3/4" copper pipe, make connections between spout, valves & water supply. See Figure 4.

Warning: To prevent severe damage to valve body, any solder/braze process must be performed a min. of 4" from ports.

2. Apply thread sealant to each end of connector HOSE (15) and attach one end to diverter OUTLET (14). Place a rubber WASHER (16) into each end of decorative HOSE (17), attaching one end to connector HOSE (15). Pull other end through deck FLANGE (18) and attach to hand SHOWER (19). Place hand SHOWER (19) into deck FLANGE (18). See Figure 5.
3. Secure HANDLE (19) into place by first engaging the STEM (20) and then threading HANDLE (19) onto CARTRIDGE (22). Any adjustments for rotational alignment must be made to the valve BODY (2), not to the CARTRIDGE (22). Repeat for all handles. See Figure 6. (Cartridge Bonnet factory torque is 14-16 ft-lbs.)



***** Note: Some states require a ASSE 1016 approved Tempering Valve installation with this product. See the following disclaimer for proper installation.



Disclaimer Regarding Roman Tub with Hand Spray

To conform to local codes and ordinances, all Roman tub with hand spray products should be used in concert with an ASSE 1016 approved tempering valve to reduce the hot water supply to a safe temperature not exceeding 110°F (43°C).

Important: Water temperatures in excess 110°F (43°C) are dangerous and may cause scalding, severe injury or death!

Tempering valve should be installed and adjusted by a licensed contractor per the valve manufacturer installation instruction, and in accordance with local codes and ordinances. In general, key characteristics to ensure a tempering valve to work best with Roman tub with hand spray products shall be as follows:

1. Tempering valve should be used prior to the Roman tub product to reduce the hot water supply to a safe temperature.
2. To ensure sufficient water flow through the tub spout, tempering valve should be capable to handle a flow rate of 10 gpm or more.
3. Tempering valve should include inlet filter washer and check valves in both the hot and cold water inlets to protect against cross flow.

Pressure - Temperature - Flow Rate

Minimum supply pressure static: 30psi (207 kPa)

Inlet temperature: hot inlet, 120°F – 180°F (49°C – 82°C)

cold inlet, 39°F – 85°F (4°C – 29°C)

Temperature out: Field range: 80°F -120°F (27°C – 49°C), adjustable. Accurate within +/-3°F (1.7°C)

Maximum temperature: 200°F (93°C)

Maximum pressure: 150psi (10.3 bar)

Minimum flow: 0.5 gpm (1.9 lpm) @ 0.8psi (0.55 kPa)

Maximum flow: 20 gpm (76 lpm) @ 125psi (862 kPa)

***Note:** Valve should be installed in a location where it is accessible for cleaning or service. Due to the effects of various water conditions, periodic verification of outlet water temperature is required.

