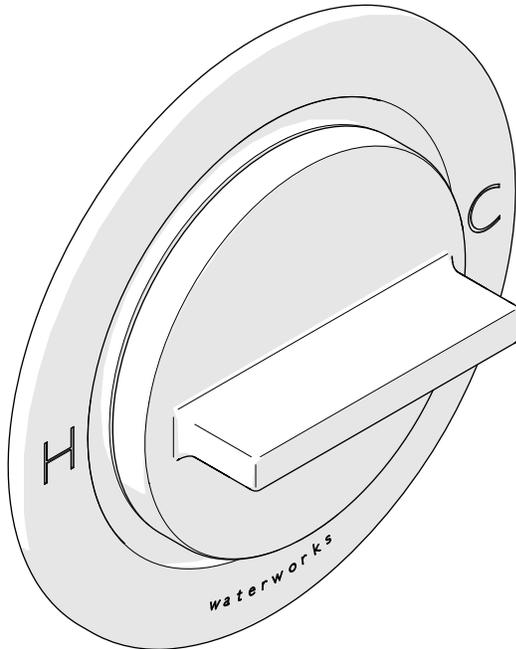


STYLE No. FMTH01**SPECIFICATIONS:**

Control Valve Rough-in Depth Min: 3-1/8"
 Control Valve Rough-in Depth Max: 4-3/4"
 Fittings Hole Diameter: Ø5-1/4"
 Hot Limit Safety Stop: Yes

REQUIRED PLUMBING DETAILS:

Universal 3/4" Thermostatic Valve
STYLE No. GUTH37

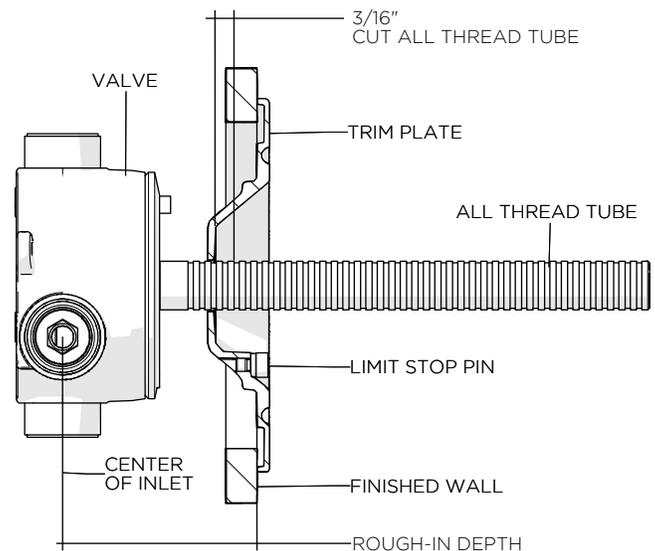
IMPORTANT:

- To ensure this product is installed properly, you must read and follow these guidelines.
- The owner/user of this product must keep this information for future reference.
- This product must be on-site prior to rough-in. This allows the installer to visualize the installation and verify the center spread.
- This product must be installed by a professional licensed contractor.
- Inspect the product to ensure you have all the parts required for proper installation.
- Be sure your installation conforms to all federal, state, and local codes. In the State of Massachusetts, all installations must comply with the rules and regulations set forth within 248 CMR.

- This product is intended to work with the Universal 3/4" Thermostatic Valve (Style No. GUTH37 - SOLD SEPARATELY) which features anti-scald protection. The risk of scalding exists until the installer has properly calibrated/adjusted the temperature setting during final trim installation.
- The Universal 3/4" Thermostatic Valve (Style No. GUTH37) only mixes hot and cold water. It does not have volume or shut-off capabilities. A diverter or wall valve (SOLD SEPARATELY) control on/off/volume and must be installed for each fitting that will have water flowing to it.
- Refer to the specification and assembly drawings attached. Product is sold partially assembled but shown fully disassembled for illustrative and service purposes only.
- Use only a strap wrench or protected/smooth-jaw wrench on any finished surface.
- DO NOT use putty. Putty contains oil and can cause permanent discoloration on certain materials such as marble, granite and any porous surface.

TRIM INSTALLATION:

1. Remove the TILE GUARD from the VALVE.
- See Figure - 01 for steps 2 & 3

**FIGURE - 01**

2. Thread the ALL THREAD TUBE onto the VALVE until it seats then slide the TRIM PLATE over the ALL THREAD TUBE as shown in Figure - 01.
3. While holding the TRIM PLATE against the finished wall, mark the ALL THREAD TUBE at a point 3/16" beyond where it protrudes from the TRIM PLATE as shown in Figure - 01.

These guidelines have been prepared for the professional contractor to aid in the installation of:
FORMWORK THERMOSTATIC CONTROL VALVE TRIM WITH METAL KNOB HANDLE (STYLE No. FMTH01)
 All dimensions are based on original specification and are subject to change and variation.
 Please consult your Design Associate for current specifications.

WATERWORKS

4. Remove the TRIM PLATE and ALL THREAD TUBE then cut the ALL THREAD TUBE at the point marked in Step 3.

➤ DO NOT cut the end of the tube that has the internal threads.

5. Thread the ALL THREAD TUBE back onto the VALVE until it seats then slide the TRIM PLATE over the ALL THREAD TUBE as shown in Figure - 02.

➤ NOTE: A GASKET for the TRIM PLATE is provided. If desired, a bead of caulk or a clear silicone may be applied where the TRIM PLATE contacts the finished wall. DO NOT use putty.*

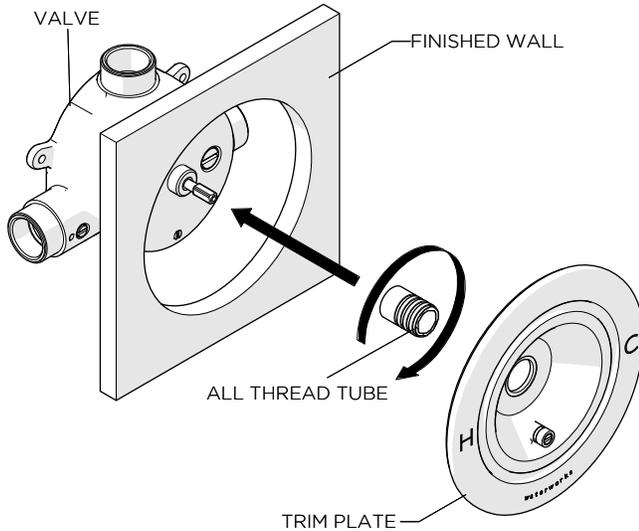


FIGURE - 02

6. Thread the TRIM NUT onto the ALL THREAD TUBE and securely tighten as shown in Figure - 03.

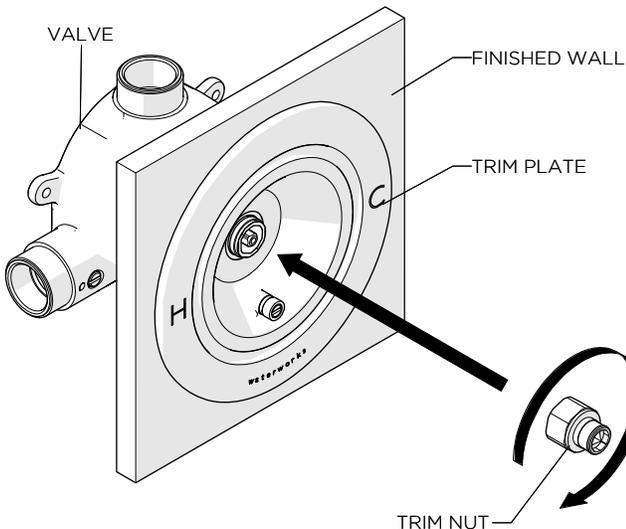


FIGURE - 03

➤ See Figure - 04 for steps 7, 8 & 9

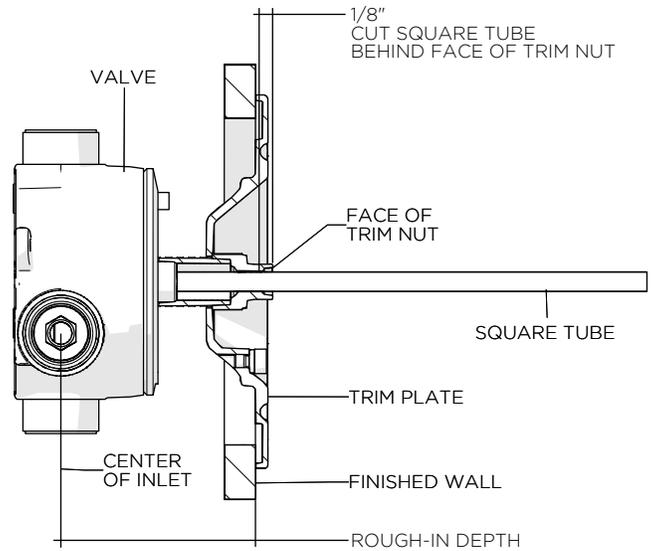


FIGURE - 04

7. Fully insert the SQUARE TUBE into the TRIM NUT then by feel, make sure it slides over the CARTRIDGE STEM and is fully seated as shown in Figure - 04.

➤ When seated properly onto the CARTRIDGE STEM, the SQUARE TUBE will have rotational resistance.

8. Mark the SQUARE TUBE at the point where it passes through the FACE OF THE TRIM NUT as shown in Figure - 04.

9. Remove the SQUARE TUBE and cut it 1/8" behind the mark made in Step 7 as shown in Figure - 04.

10. Re-insert the SQUARE TUBE back into the TRIM NUT making sure it is slightly recessed into the TRIM NUT.

TEMPERATURE CALIBRATION:

➤ The risk of scalding exists until the installer has properly calibrated/adjusted the temperature setting.

11. Turn on the water supply then turn on a diverter or wall valve to run water through the VALVE.

12. Insert a bladed screw driver into the SQUARE TUBE and slowly rotate the SQUARE TUBE clockwise to attain full cold then rotate it counterclockwise to attain full hot. Verify a full range of temperature exists.

➤ It is approximately 2 complete rotations from full cold to full hot.

13. With water running, rotate the SQUARE TUBE to adjust the temperature to the maximum desired bathing temperature, verified with a thermometer. Turn the water off and make sure not to change this temperature setting.

14. Slide the **HANDLE CONNECTOR** onto the **TRIM NUT** until it seats as shown in Figure - 05.

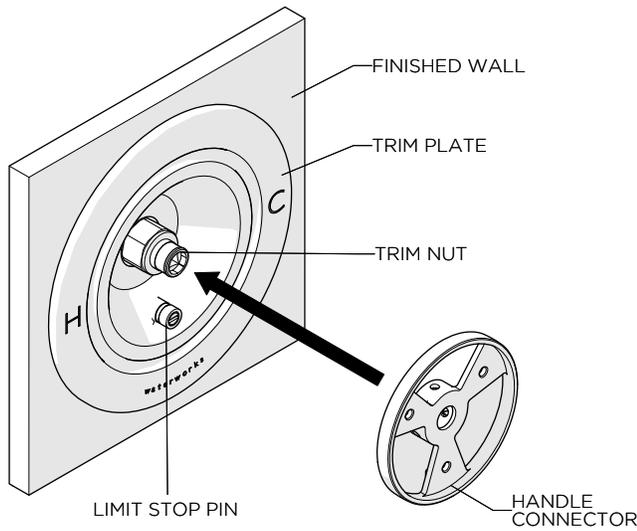


FIGURE - 05

15. Ensure the **LIMIT STOP** on the **HANDLE CONNECTOR** makes contact with the **LIMIT STOP PIN** on the **TRIM PLATE** then tighten the **SET SCREWS** as shown in Figure - 06.

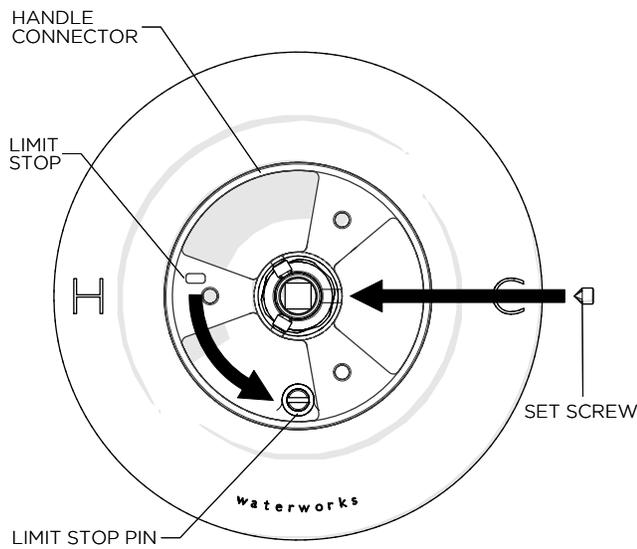


FIGURE - 06

16. Place the **HANDLE** onto the **HANDLE CONNECTOR** making sure to properly align the **GUIDE PINS** found on the back of the **HANDLE**. Turn the **HANDLE** to ensure the **GUIDE PINS** are properly seated then securely tighten the **SET SCREW** to hold the **HANDLE** to the **HANDLE CONNECTOR** as shown in Figure - 07.

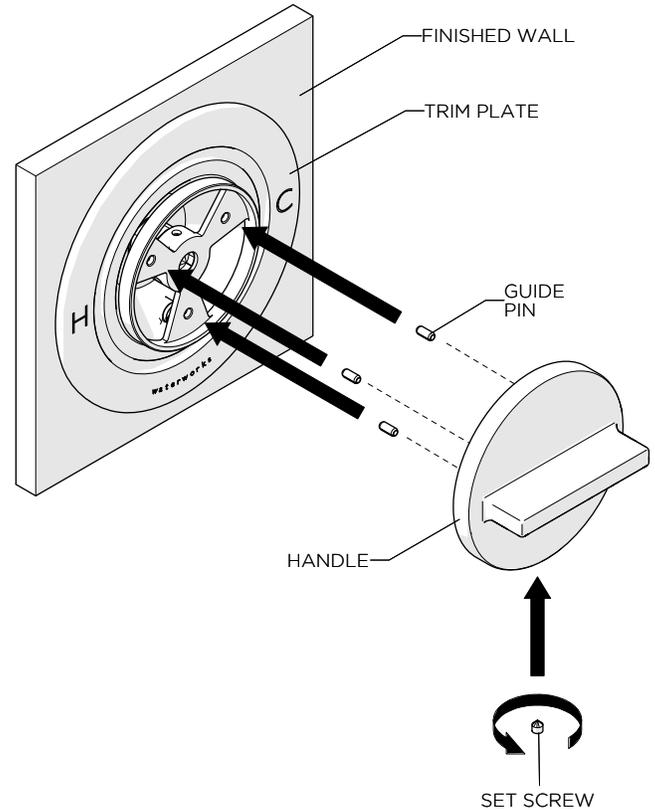


FIGURE - 07

INSPECT THE INSTALLATION:

- 17. Turn the **HANDLE** clockwise then turn the water on and confirm the **LIMIT STOP** is functioning properly by turn turning the **HANDLE** counterclockwise at which point it should stop.
- 18. Verify the temperature is the maximum temperature set in Step 13. If it is not the correct temperature, repeat the calibration procedures.

- If further assistance is required, please contact Product Support at 1-800-927-2120 Ext 2 Monday through Friday, 8am - 6pm EST.
- See the service part document for parts ordering, available on WATERWORKS.COM.

* Putty contains oil and can cause permanent discoloration on certain materials such as marble, granite and any porous surface.

These guidelines have been prepared for the professional contractor to aid in the installation of: **FORMWORK THERMOSTATIC CONTROL VALVE TRIM WITH METAL KNOB HANDLE (STYLE No. FMTH01)**
 All dimensions are based on original specification and are subject to change and variation.
 Please consult your Design Associate for current specifications.