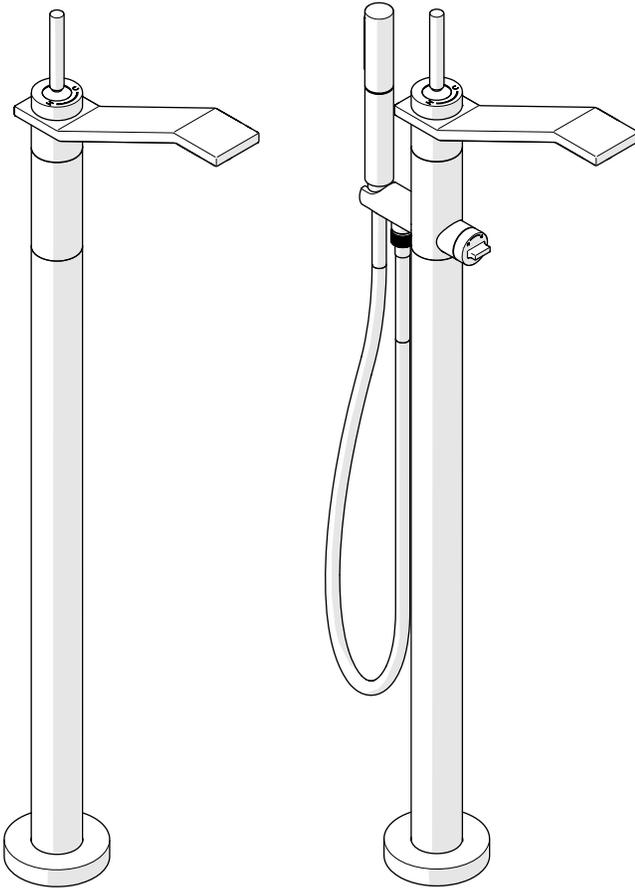


STYLE No. FMXT70+
with Metal Joystick Handle

STYLE No. FMXT90+
with Handshower and
Metal Joystick Handle



SPECIFICATIONS:

Anti-scald Protection: No
Inlet Connection Size & Type: 1/2" Female NPT†
Fittings Hole Diameter: Ø3-7/8" (98mm)
Hot Limit Safety Stop: No
Integrated Diverter: No
Spout Reach: 8-7/8" (225mm)
Water Pressure Minimum: 20 psi (1.4 Bar)
Water Pressure Maximum: 80 psi (5.5 Bar)
Water Pressure Recommended: 45 psi (3 Bar)
Unrestricted Flow Rate: 8 - 10 gpm (30 - 38 L)

† UK Style No. **FM70XT** & **FM90XT** are supplied with 2 **BSP** adapters, assembly required.

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.
- Check tub measurements to assure the spout projects far enough into the tub.
- Install accessible hot and cold service stop valves to facilitate servicing
- Be sure your installation conforms to all federal, state, and local codes.
- Anti-scald protection is the responsibility of the installer and according to applicable codes.
- In the State of Massachusetts, all installations must comply with the rules and regulations set forth within 248 CMR.
- Refer to the specification and assembly drawings attached. Product is sold partially assembled but shown fully disassembled for illustrative and service purposes only.
- Inspect the product to ensure you have all the parts required for proper installation.
- Use only a strap wrench or protected/smooth-jaw wrench on any finished surface.
- Run 1/2" supply lines for maximum flow.
- **DO NOT** use putty. Putty contains oil and can cause permanent discoloration on certain materials such as marble, granite and any porous surface.

ROUGH-IN:

- The MOUNTING PLATE is 2-1/2" in height and should be a minimum of 3/4" from the surface of the finished floor as shown in Figure - 01.

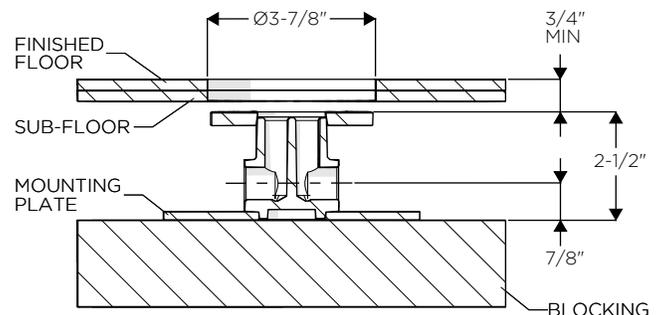


FIGURE - 01

These guidelines have been prepared for the professional contractor to aid in the installation of:
FORMWORK FLOOR MOUNTED EXPOSED TUB FILLER WITH METAL JOYSTICK HANDLE [STYLE No. FMXT70,
FM70XT (UK)] & FORMWORK FLOOR MOUNTED EXPOSED TUB FILLER WITH HANDSHOWER AND METAL
JOYSTICK HANDLE [STYLE No. FMXT90, FM90XT (UK)]
All dimensions are based on original specification and are subject to change and variation.
Please consult your Design Associate for current specifications.

WATERWORKS

- Determine the location of the MOUNTING PLATE and install adequate blocking to properly secure the MOUNTING PLATE.
 - A Ø3-7/8" hole is required for proper installation of the spout.
- Place the MOUNTING PLATE on the blocking with the inlets perpendicular to the SPOUT and towards the opposite direction of the tub as shown in Figure- 02.
 - "Cold Inlet", "Hot Inlet" and "Spout Outlet" direction markings are also located on MOUNTING PLATE. The cold inlet is located on the left and the hot inlet is on the right.

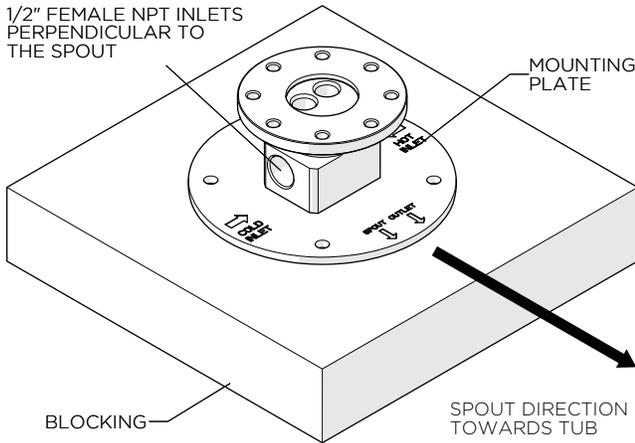


FIGURE - 02

- Thread and securely tighten 1/2" male NPT hot and cold supply lines into the MOUNTING PLATE then secure the MOUNTING PLATE to the sub-floor using 4 SCREWS (not supplied) as shown in Figure - 03.
 - The MOUNTING PLATE has 4 pre-drilled holes.

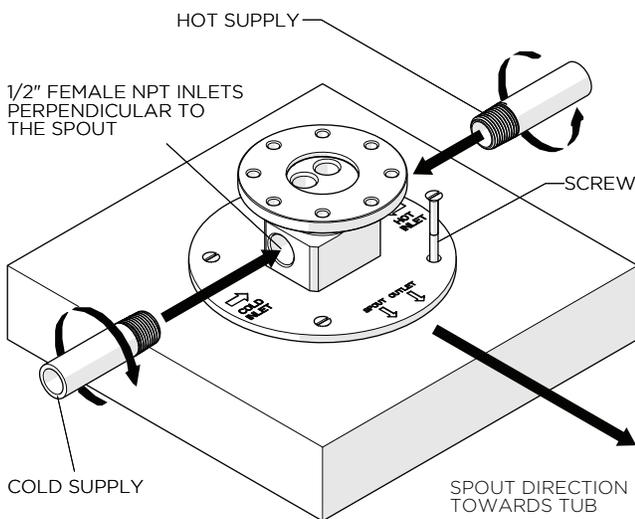


FIGURE - 03

- Finish all connections below the finished floor and install the TEST PLATE using the SCREWS provided as shown in Figure - 04.

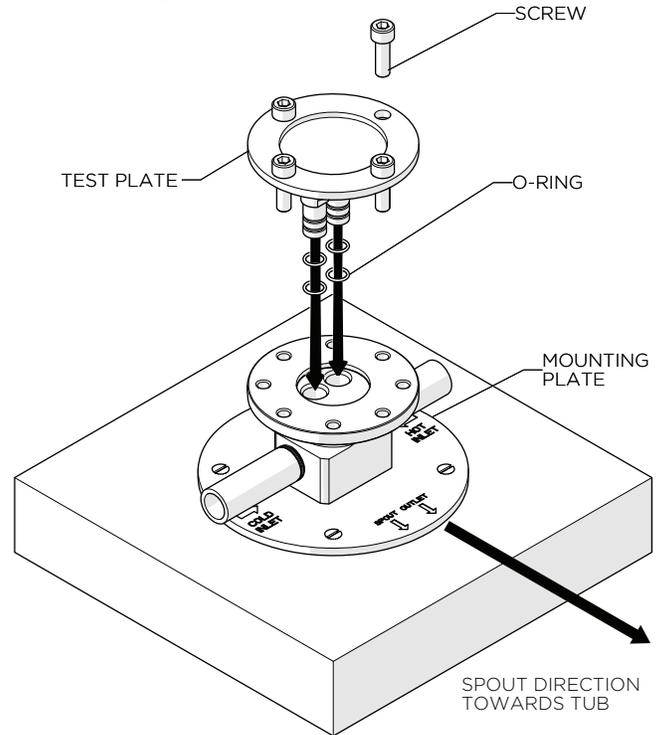


FIGURE - 04

- Turn on the water supply lines and check for leaks.
- Turn off the water supply lines. DO NOT remove the TEST PLATE.
- Tile up to the TEST PLATE. DO NOT tile over the TEST PLATE
 - IMPORTANT: A Ø3-7/8" hole is required to properly install the spout.

SPOUT INSTALLATION:

- Remove the TEST PLATE from the MOUNTING PLATE.
- Slide the ESCUTCHEON up the SPOUT to expose the SPOUT FLANGE then insert the SUPPLY TUBES into the MOUNTING PLATE as shown in Figure - 05. Make sure the O-RINGS are properly attached to the SUPPLY TUBES.
 - Do not twist or turn the SPOUT. This could damage the SUPPLY TUBES.

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WATERWORKS

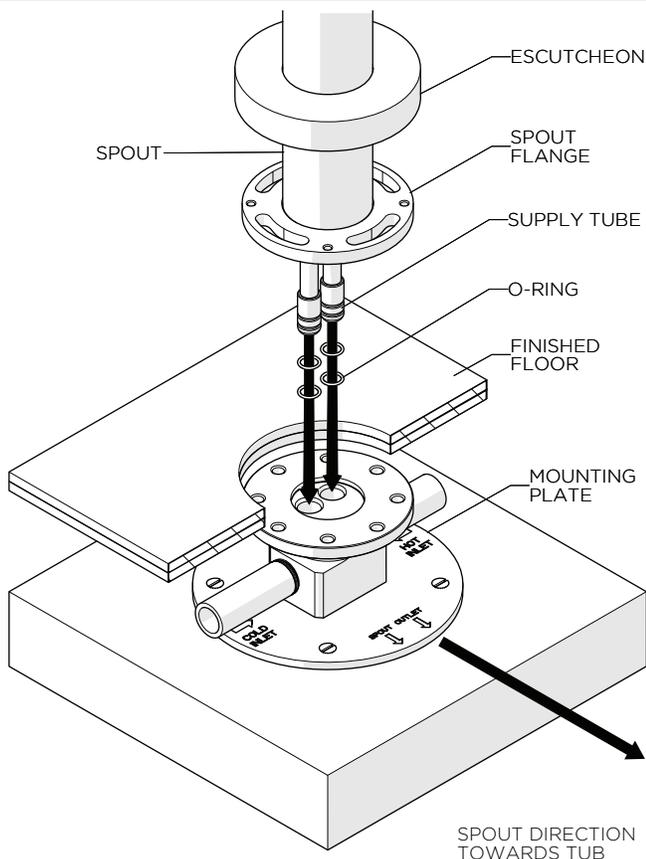


FIGURE - 05

10. Secure the SPOUT FLANGE to the MOUNTING PLATE using the SCREWS and LOCK WASHERS provided as shown in Figure - 06.

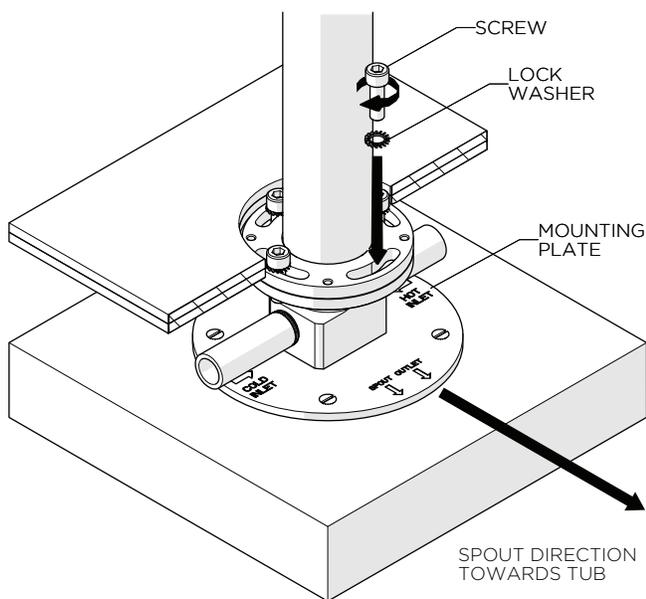


FIGURE - 06

HANDSHOWER INSTALLATION (FMXT90 - ONLY):

- If your installation does not include a HANDSHOWER, continue to Step 13.
11. Thread the knurled end of the HOSE to the outlet found on the HOOK then thread the conical end of the HOSE to the HANDSHOWER.
 12. Place the HANDSHOWER on the HOOK.

- A FLOW REGULATING CHECK VALVE can be found in the inlet of the HANDSHOWER.

FINISHED AND INSPECT THE INSTALLATION:

13. Remove the AERATOR using the tool provided then turn on the water supply and operate the JOYSTICK HANDLE to ensure that it is functioning properly.
 14. Flush out any debris in the supply lines before operating the HANDSHOWER if applicable.
- FMXT90 ONLY: To operate the HANDSHOWER turn the KNOB HANDLE on the front of the spout. A PROGRESSIVE CARTRIDGE controls on, off and temperature for the HANDSHOWER independently from the SPOUT.
15. Inspect all connections for leaks then turn off the water.

16. Re-install the aerator.

17. Slide the ESCUTCHEON down the SPOUT to conceal the SPOUT FLANGE. If desired, a bead of caulk or a clear silicone may be applied where the ESCUTCHEON contacts the finished floor. DO NOT use putty.*

SERVICING THE CARTRIDGE(S):

18. To service or replace the CARTRIDGE above the SPOUT: pull the GLAND COVER off of the HANDLE, unthread the SET SCREW, pull the HANDLE off of the CARTRIDGE and unthread the RETAINING COLLAR. See Figure - 07.
19. To service or replace the CARTRIDGE that controls the HANDSHOWER (FMXT90 only): unthread the SET SCREW, pull the KNOB HANDLE off of the CARTRIDGE and unthread the RETAINING COLLAR. See Figure -07.

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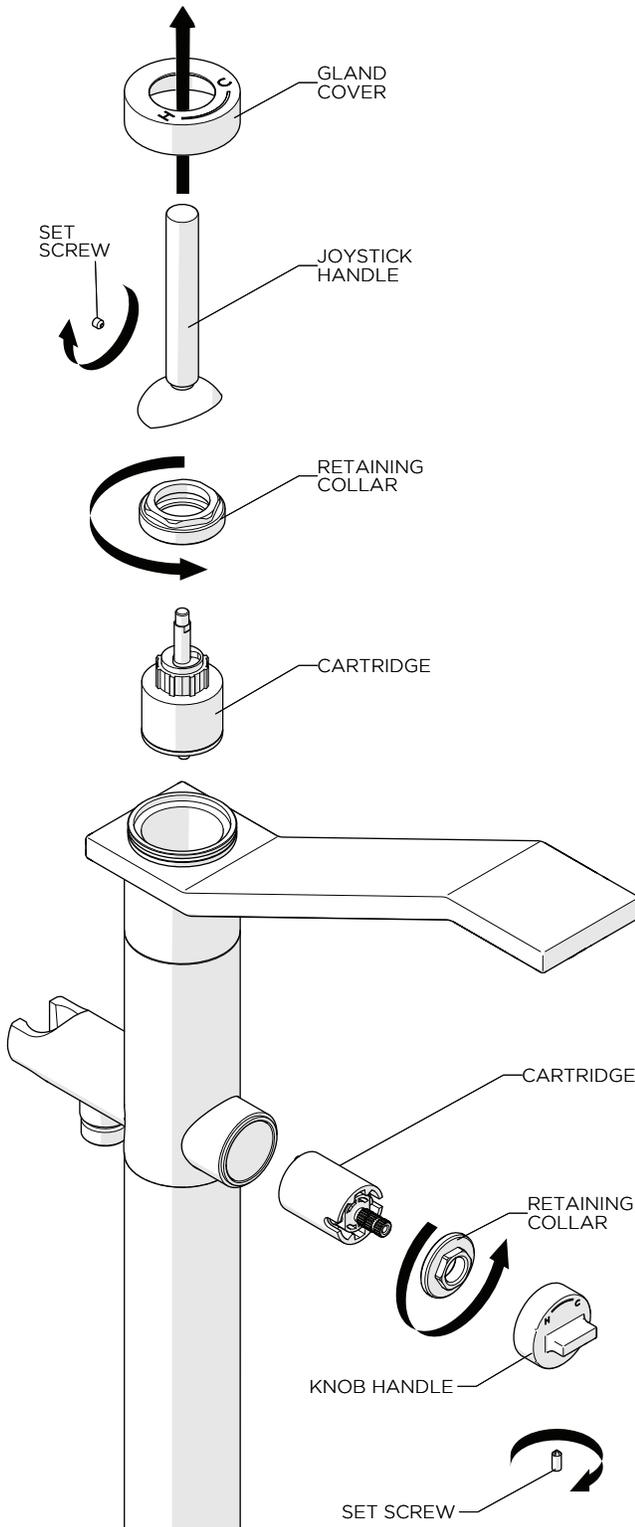


FIGURE - 07

- 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.

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WATERWORKS