GUSV37R (rough) **& OPSV60-K**(trim)

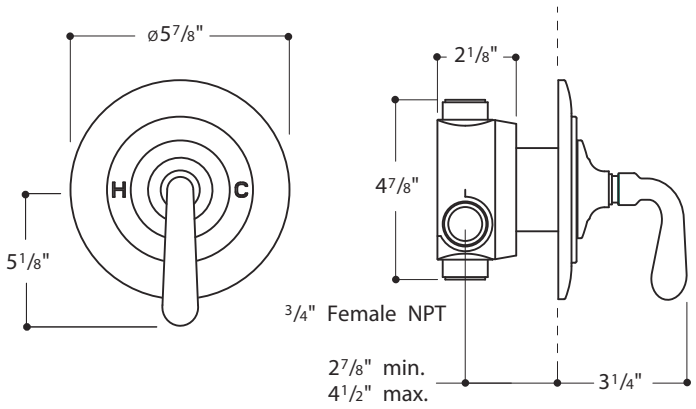


Figure 1

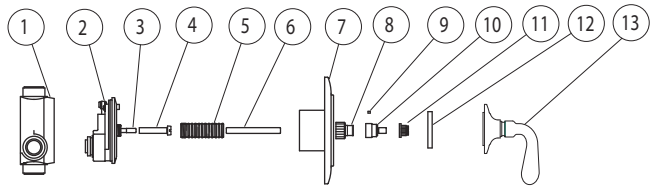
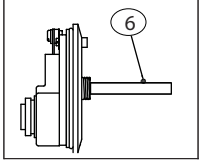
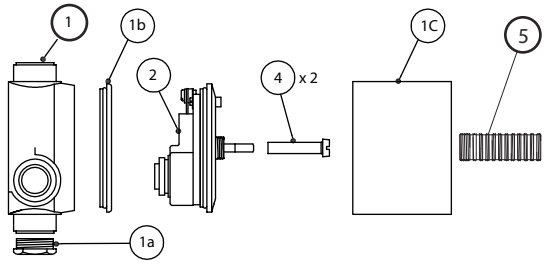


Fig. 1a





IMPORTANT

1. To ensure this product is installed properly, you must read and follow these guidelines.
2. The owner/user of the valve must keep this information for future reference.
3. This valve includes integrated service stops. Make sure the tile guard is in place.
4. This valve features anti scald protection. The risk of scalding exists until the installer has properly calibrated/adjusted the temperature setting during final trim installation.
5. Valve body rough-in depth is 2 7/8 min - 4 1/2 max" the centerline of the inlets to the face of the finished wall.
6. Be sure your installation conforms to local codes.
7. This thermostatic valve only mixes hot and cold water and does not have volume control or shut off capability. A diverter or wall valves (provided separately) control on/off/volume and must be installed for each fitting that will have water flowing to it.
8. This product must be installed by a professional contractor.
9. Refer to the specification and assembly drawings attached. Valves are sold partially assembled but shown fully disassembled for illustrative and service purposes only.
10. If soldering any connections, remove cartridge to prevent damage to seals and internal assembly.
11. The trim should be on-site prior to rough in and allows the installer to visualize the installation.
12. Inspect this product to assure you have all parts shown that are required for proper installation.
13. Check incoming water pressure; ideal operating pressure is 50-60 psi. The minimum is 25 psi. and the maximum is 80 psi.

These guidelines have been prepared for the professional contractor to aid in the installation of:
OPUS THERMOSTATIC SHOWER VALVE TRIM WITH METAL LEVER HANDLE (GUSV37R & OPSV60-k)
All dimensions are based on original specifications and are subject to change and variation.
Please consult your Design Associate for current specifications.

WATERWORKS®

ROUGH IN:

14. Make sure the valve body (1) is positioned according to valve markings so the inlets are situated with hot piped on the left and cold piped on the right. Positioned correctly, notice the inlets are below an imaginary horizontal line drawn between the 2 cover screws (4).

15. IMPORTANT: Valve rough-in depth is 2 7/8 - 4 1/2" measured from the centerline of the inlets to the surface of the finished wall.

16. Run 3/4" copper supply lines to the proper height of the valve inlets and be sure to secure all piping and fittings.

17. For each fitting that will have water flowing to it, install a wall valve or diverter valve (both provided separately) at the same rough in depth and according to the flow direction arrow marked on the wall valve or diverter valve body.

18. The bottom port of the valve body is plugged (1a),but can be used to supply water to other fittings.

19. Install the tile guard (1c).

FLUSH OUT THE SYSTEM:

<u>The supply lines must be flushed out to prevent clogging of the filter screens. Failure to flush the lines will permanently damage the cartridge and void the warranty.</u>

20. The valve body is shipped with the flush plate installed (1b,4) but without the cartridge installed and is ready for flushing the lines.

21. Turn on the water supply to flush out the lines then inspect all connections for leaks.

22. After the lines are flushed, turn off the water supply, unthread the 2 cover screws (4), then remove the flush plate.

23. Install the cartridge/cover plate (2) using the 2 cover screws and turn off the service stops.

24. Install the tile guard (1c).

FINISH:

Please refer to the specification diagrams

25. Use only a protected smooth-jawed, or strap wrench on any finished surface.

26. Attach the threaded sleeve(#5) to the cover(#2). Slide the escutcheon plate (#7) over the sleeve. Mark the threaded sleeve(#5) in preparation of cutting 3/16" beyond where it protrudes through the cup on the back of the escutcheon.

27. Remove the plate and threaded sleeve so that the threaded sleeve(#5) can be cut. Be sure not to cut the end with internal threads. File the cut edge with care.

28. Reattach the threaded sleeve(#5) and place the escutcheon plate(#7) over it.

29. Thread cap(#8) onto threaded sleeve(#5).This should lock the escutcheon plate tightly against the finished wall.

30. Introduce the square tube(#6) into the cap(#8) and set it completely onto the valve stem(#3). See figure 1a.

31. Mark the square tube(#6) and cut it so it is recesse1/8" from the end of the cap(#8).

32. Affix the handle trim adaptor(#10) with fixing cap(#11) to the cap(#8) using the set screw (#9). Be sure to fully tighten.

33. Push the stablizing ring(#12) over the fixing cap(#11)and into the escutcheon plate(#7).

SETTING THE HIGH TEMPERATURE LIMIT:.

IMPORTANT: The risk of scalding exists until the installer has properly set the high temperature setting.

34. Adjust the water to the maximum desired temperature. Temperature adjustments are made by turning the fixing cap(#11).

35. With the handle trim in the full hot position, push the handle onto the fixing cap(#11).

36. Temperature settings should be checked periodically to ensure the high temperature limit is maintained.

► **If further assistance is required, please contact Product Support at 1.800.927.2120 (8am -7pm EST)**

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