

INSTALLATION INSTRUCTIONS FOR THERMOSTATIC EXTENSION KITS

MODEL #SS-EXT41 (For SS-TH1000 & SS-TH3000)

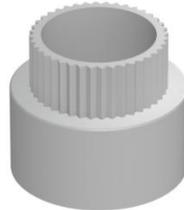
No.	Quantity	Model #	Description
1	2	SS-EXT41-STEM-EXT	Stem Extender
2	2	SS-EXT41-STRG-EXT	Stop Ring Extender
3	1	SS-EXT41-TMP-DOME-EXT	Temperature Dome Extender
4	1	SS-EXT41-SCRW	Extended Trim Screw

MODEL #SS-EXT51 (For SS-TH2000 & SS-TH4000)

No.	Quantity	Model #	Description
1	4	SS-EXT41-STEM-EXT	Stem Extender
2	4	SS-EXT41-STRG-EXT	Stop Ring Extender
3	1	SS-EXT41-TMP-DOME-EXT	Temperature Dome Extender
4	2	SS-EXT41-SCRW	Extended Trim Screw
5	1	SS-EXT51-VOL-DOME-EXT	Volume Dome Extender



No. 1 Stem Extender



No. 2 Stop Ring Extender



No. 3 Temperature Dome Extender



No. 5 Volume Dome Extender
(Slightly smaller than temperature dome ext. Only for SS-EXT51)



No. 4 Extended Trim Screw

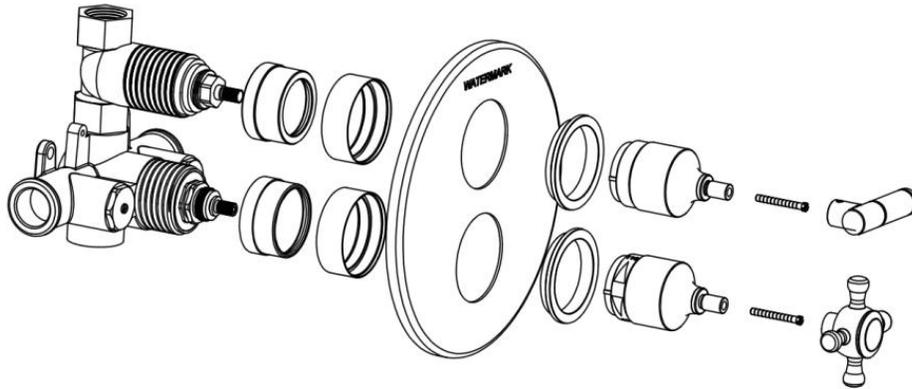
NOTE

Each kit provides an extension of 1 inch maximum. However, this length can be made shorter by excluding certain components of the kit during installation. Since each kit is stackable, the maximum extension length can be made longer by purchasing and stacking the kits together.

For detailed dimensions and their corresponding configuration, refer to table 1.

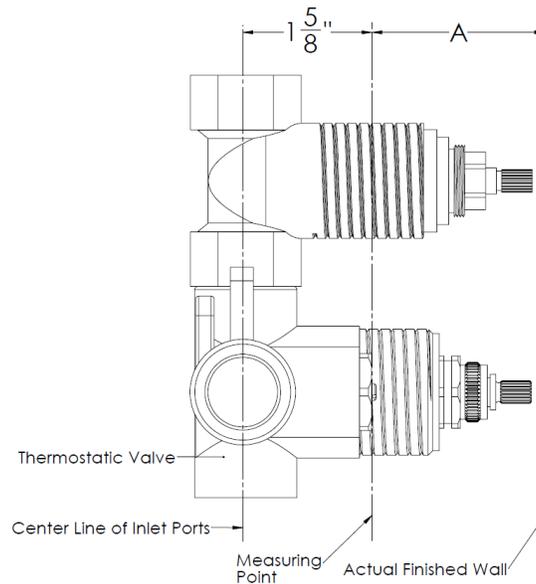
Step 1. Remove any decorative trim from valve body.

Note: Some models have exposed handle screws and some models have concealed handle screws. Once the screw is removed, the handle will pull off.



Step 2. For proper installation of the kit, length “A” will need to be measured. Next, refer to table 1 below and determine the configuration which corresponds to the length “A” measured to the range of values listed. The configuration will determine the components needed for proper installation.

NOTE: Length “A” can be measured from the measuring point to the actual finished wall. See Diagram below



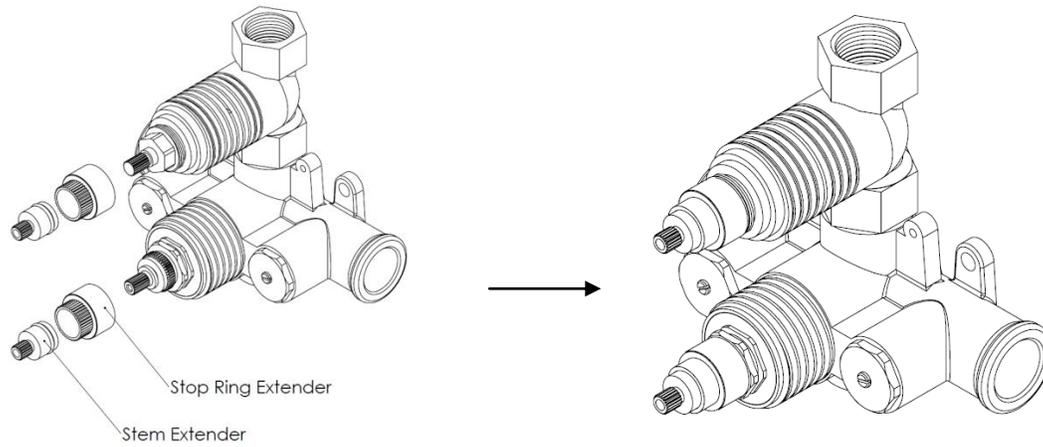
Configuration	Distance A	Stem Ext.	Stop Ring Ext.	Temp / Vol Dome Ext.
1	0.23" - 0.5" (1/4 - 1/2)	0	0	0
2	0.5" - 1.0" (1/2 - 1)	1	1	0
3	1.0" - 1.48" (1 - 1 1/2)	2	2	1

Table 1. Length A and corresponding extension kit components

Step 3. The following steps may vary depending on the configuration number obtained in step 2.

Configuration 2: Installation of the Stem and Stop Ring extension:

Press the Stop Ring and Stem extensions onto the cartridge.

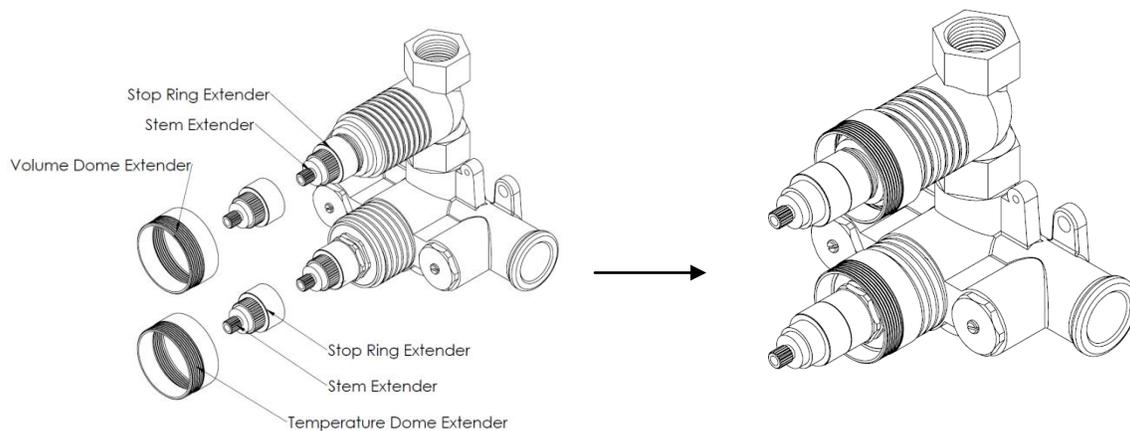


Note: Make sure that the Stop Ring extension is pressed completely onto the thermostatic valve

Configuration 3:

Installation of 2 Stem and 2 Stop Ring extensions with 1 Temp / Vol Dome extension:

Stack another Stem and Stop Ring extension on top of the previously mounted extenders. Thread the Temp / Vol Dome extension through the valve body all the way.



Note: Temperature dome extension is larger in diameter than the volume dome extension

Step 4. Once all the extension components have been installed, reassemble the original thermostatic components. However, note that the original trim screw must be replaced by the extended trim screw.

NOTE: Carefully place the plastic temperature limit stop ring from the original thermostatic valve kit onto the Stop Ring extension with red dot upward at 12:00.



Note: Proper temperature limit stop ring installation. Valve body not shown

Temperature Setting:

- a. Use a thermometer to check the delivered temperature on one of the outlets
- b. Adjust water temperature to 100°F by hand turning the valve stem slowly left or right
- c. Ensure that the temperature limit stop ring is installed with the red dot at 12 o'clock position
- d. Push the handle back on the valve with the push button at the 12 o'clock position.

