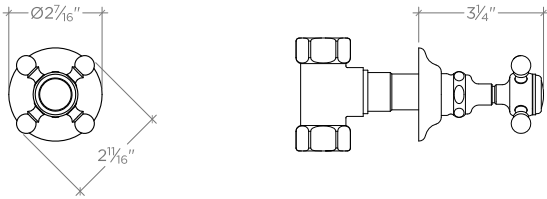
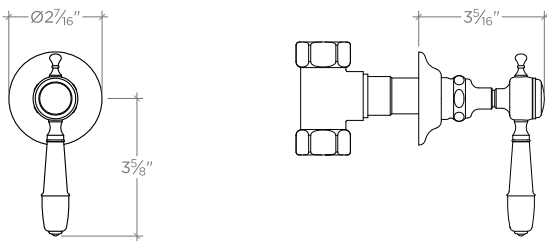


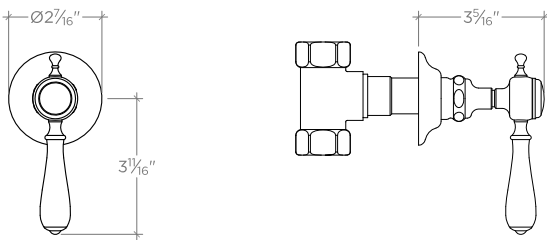
JUSV34 (Cross Handle) & GUSV16R (Rough)



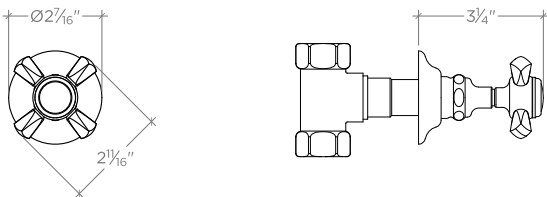
JUSV50 (Metal Lever Handle) & GUSV16R/17R (Rough)



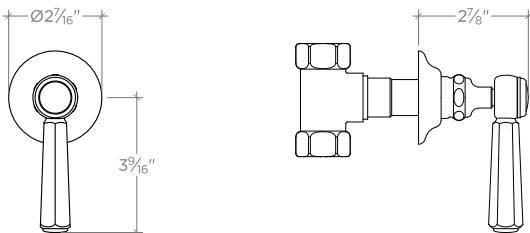
JUSV51 (White Porcelain Lever Handle) & GUSV16R/17R (Rough)
JUSV52 (Black Porcelain Lever Handle) & GUSV16R/17R (Rough)



JUSV44 (Cross Handle) & GUSV16R (Rough)



JUSV47 (Metal Lever Handle) & GUSV16R/17R (Rough)



IMPORTANT:

- To ensure this product is installed properly, you must read and follow these guidelines.
- The owner/user of the wall valve must keep this information for future reference.
- Valve body rough-in depth is 2 1/2" from the centerline of the inlets to the face of the finished wall.
- This shower trim must be on-site prior to rough-in and allows the installer to visualize the installation.
- Be sure your installation conforms to all federal, state, and local codes.
- This product must be installed by a professional licensed contractor.
- Wall valves control on/off/volume and must be installed for each fitting that will have water flowing to it. If using a wall valve with our thermostatic valve, refer to the Installation Guidelines for the Thermostatic Valve which contains related installation information.

- Inspect this product to ensure you have all parts required for proper installation.
- Refer to the specification and assembly drawings attached. Shower trim 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.

ROUGH IN:

REQUIRED: Valve body rough-in depth is 2 1/2" from the centerline of the inlets to the face of the finished wall.

1. Remove the tile guard and unthread the threaded sleeve from the valve body.
2. If soldering any connections, remove the cartridge to prevent damage to seals.
3. For each fitting that will have water flowing to it, install a wall valve body.
4. Run 3/4" copper supply lines to the proper height of the valve inlets and be sure to secure all piping and fittings. Install the valve at a height and spread (if applicable) that is comfortable to the user.
5. Reinstall the cartridge and threaded sleeve making sure the tile guard is attached.

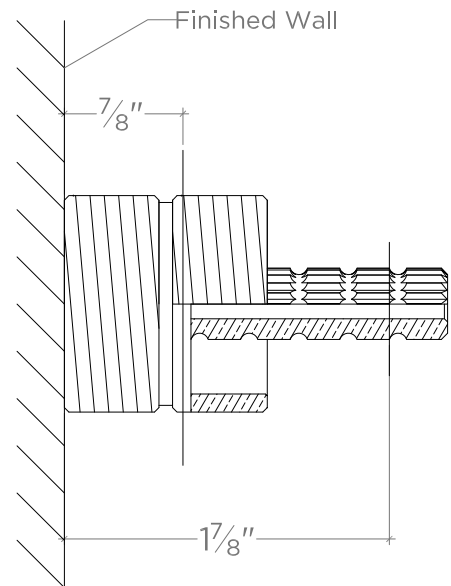
These guidelines have been prepared for the professional contractor to aid in the installation of:
JULIA VOLUME CONTROL VALVE TRIM (JUSV34, 50, 51 & 52)
ASTORIA VOLUME CONTROL VALVE TRIM (JUSV44 & 47)
 All dimensions are based on origin specification and are subject to change and variation.
 Please consult your Design Associate for current specifications.

WATERWORKS

TRIM INSTALLATION:

6. Pull the tile guard off the threaded sleeve.
 7. Mark the male end of the threaded sleeve at a point that is $\frac{7}{8}$ " from the surface of the finished wall (see Figure-1).
 8. Remove the threaded sleeve and cut it at the mark made in step 7.
 9. Make a mark on the splined stem at a point that is $1\frac{7}{8}$ " from the surface of finished wall (see Figure-1).
 10. Remove the cartridge and cut the splined stem at the mark made in step 9.
 11. Reinstall the cartridge and threaded sleeve
 12. Remove the indice assembly (1-5) as 1 unit from the handle (7) by lifting the handle hub collar (4) off the handle.
 13. Then thread the escutcheon (9) onto the threaded sleeve until the escutcheon gasket (10) contacts the wall.
 14. Thread on the gland cover (8) and attach the handle using the screw (6) provided and reinstall the indice assembly (1-5).
- If further assistance is required, please contact Product Support at 1-800-927-2120 (8am-7pm EST).

FIGURE 1



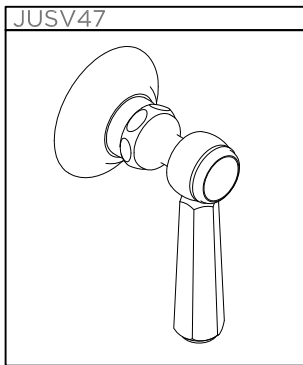
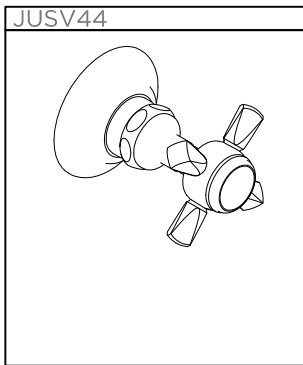
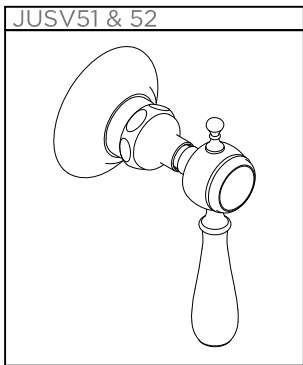
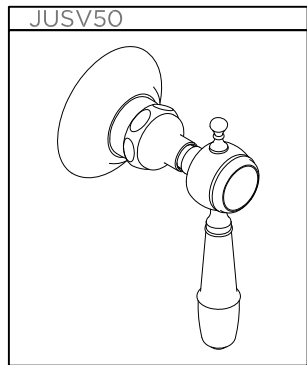
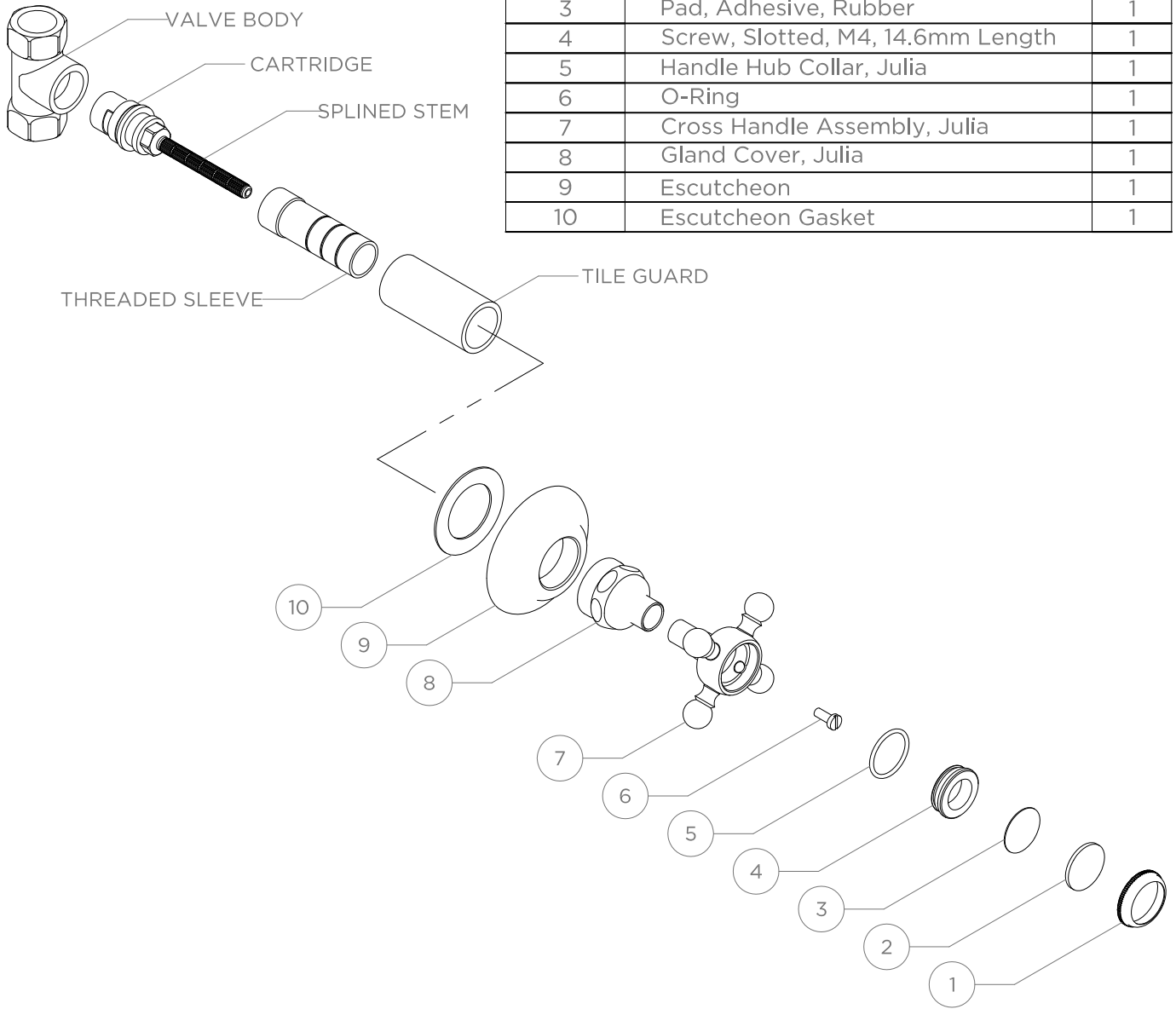
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WATERWORKS

JUSV34 (Cross Handle) & GUSV16R (Rough)

- GUSV16R SOLD SEPARATELY

ITEM NO.	DESCRIPTION	QTY.
1	Indice Collar, Julia	1
2	Indice, Blank, White Porcelain	1
3	Pad, Adhesive, Rubber	1
4	Screw, Slotted, M4, 14.6mm Length	1
5	Handle Hub Collar, Julia	1
6	O-Ring	1
7	Cross Handle Assembly, Julia	1
8	Gland Cover, Julia	1
9	Escutcheon	1
10	Escutcheon Gasket	1



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