Thank you for selecting American-Standard...the benchmark of fine quality for over 140 years.

To ensure that your installation proceeds smoothly—please read these instructions carefully before you begin.

**RECOMMENDED TOOLS**

- Phillips Screwdriver
- Tubing Cutter
- Adjustable Wrench
- Channel Locks
- Plumbers' Putty or Caulking
- Flat Blade Screwdriver

**ROUGHING-IN DIMENSIONS**

- To assure proper positioning in relation to wall, note roughing-in dimensions.

**RU101, RU102, RU107, RU108, RU109, RU107E, RU108E**

**RU101**

**INLETS**
1/2" NOM. COPPER SWEAT OR 1/2" NPT

**OUTLETS**
1/2" NOM. COPPER SWEAT OR 1/2" NPT

**RU102**

**INLETS**
1/2" STUB OUT

**OUTLETS**
1/2" STUB OUT

**RU107**

**INLETS**
1/2" PEX (ASTM F1962)

**OUTLETS**
1/2" NOM. COPPER SWEAT OR 1/2" NPT

**RU108**

**INLETS**
1/2" PEX (ASTM F1966)

**OUTLETS**
1/2" NOM. COPPER SWEAT OR 1/2" NPT

**RU109**

**INLETS**
1/2" NOM. CPVC

**OUTLETS**
1/2" NOM. COPPER SWEAT OR 1/2" NPT

**RU107E**

**INLETS**
1/2" PEX (ASTM F1962)

**OUTLETS**
1/2" NOM. COPPER SWEAT OR 1/2" NPT

**RU108E**

**INLETS**
1/2" PEX (ASTM F1966)

**OUTLETS**
1/2" NOM. COPPER SWEAT OR 1/2" NPT
STANDARD WALL INSTALLATION

- See Roughing-in diagram before starting.
- Remove the PLASTER GUARD (8) for proper installation.
- Mount VALVE BODY to cross brace (2" X 4") within wall. Use wood screws to secure VALVE BODY to brace.
- Connect HOT and COLD water supplies per connection method of selected valve.
- Connect RISER PIPE (1) to VALVE BODY (2) top outlet marked “UP”.
- Connect TUB FILLER PIPE (3) to bottom outlet.
- Install PLASTER GUARD (8) back onto the valve. Only remove PLASTER GUARD (8) when ready to install trim Kit.
- Finished wall should allow for a 4" diameter opening (Use PLASTER GUARD for guidance)

CAUTION: After valve installation, inspect the VALVE BODY for any debris. It can damage Pressure Balance Valve cartridge.

NOTE: For back to back installation, follow steps mentioned above. Reversal of Hot/Cold water supplies is accomplished by rotating cartridge (supplied with trim) 180° during installation.

NOTE: TO AVOID SHOWER RISE OR OTHER RELATED ISSUES, DO NOT USE PEX CONNECTIONS AT THE TUB OUTLET CONNECTING TO THE TUB SPOUT.
THIN WALL INSTALL

CAUTION Turn off hot and cold water supplies before beginning.

- See Roughing-in diagram before starting.
- Finished wall should allow for a 3-1/2" diameter opening (Use PLASTER GUARD for guidance).
- Remove PLASTER GUARD (8), rotate 90° counter clockwise and install the two screws. (Thin wall text should be on top)
- Use SELF-CENTERING HOLE GUIDES (9) as a guide for thin wall install.
- LOCKING SCREW (10) keeps valve in place when installing. Completely Thread LOCKING SCREW (10) onto PLASTER GUARD (8).
- During the installation, make sure to position the Locking feature screw as shown in Figure A below. Once the valve is positioned on the Thin Wall, turn counterclockwise as shown in Figure B to secure VALVE BODY (2) in place.
- Connect HOT and COLD water supplies per connection method of selected valve.
- Connect RISER PIPE (1) to VALVE BODY (2) top outlet marked “UP”.
- Connect TUB FILLER PIPE (3) to bottom outlet.

CAUTION: After valve installation, inspect the VALVE BODY for any debris. It can damage Pressure Balance Valve cartridge.

NOTE: For back to back installation, follow steps mentioned above. Reversal of Hot/Cold water supplies is accomplished by rotating cartridge (supplied with trim) 180° during installation.

Fig. A

Fig. B

Hex Wrench 4 mm

SIDE VIEW

3-1/2"

10 9

8

HOT

COLD

1

2

3

6

10

8

10

_unlock

lock
**THIN WALL INSTALLATION FOR BELSHIRE TRIMS**

**CAUTION** Turn off hot and cold water supplies before beginning.

- Finished wall should allow for a 3-1/2" diameter opening.
- Discard or throw away PLASTER GUARD (8).
- Thread MOUNTING PLATE (4) on to the valve with the two SCREWS (5).
- Install Mounting Screws (7) through Escutcheon Holder (8) and into Threaded holes (6). Tighten Mounting Screws (7) Securely.

**Note:** MOUNTING PLATE (4), Mounting Screws (7), Escutcheon Holder (8), and the two SCREWS (5) can be found packaged with the Belshire Trim rather than the valve.

- Connect HOT and COLD water supplies per connection method of selected valve.
- Connect RISER PIPE (1) to VALVE BODY (2) top outlet marked “UP”.
- Connect TUB FILLER PIPE (3) to bottom outlet.
- Service stops are primarily used to shut water off. To shut “HOT” or “COLD” water using a flat head screwdriver, turn the head of the screw vertically. And to turn the water back on, turn the screw horizontally.
Valve comes with Flush Plug that allows hot and cold supply lines to be flushed independently (without cross flow).

Flush plug is shipped in Orientation A.
- **ORIENTATION A** directs cold water through the shower port and hot water through the tub port.

Flush plug can be reversed to **Orientation B**.
- **ORIENTATION B** directs cold water through the tub port and hot water through the shower port.

For shower only installation flush cold supply line first in **Orientation A**. Then reverse to **Orientation B** and flush hot supply line. Alternatively, the flush plug can be removed entirely to flush water through the valve body.

To switch between orientations follow these steps:
- Unthread BONNET NUT (1).
- Rotate FLUSH PLUG (2) 90 degrees to desired orientation.
- Rethread BONNET NUT (1).

Upon completion of flushing both hot and cold supply lines unthread BONNET NUT (1), remove FLUSH PLUG (2), and rethread BONNET NUT (1).

**ORIENTATION A** (as shipped)  
**ORIENTATION B**
Flash™ Shower Valve Rough

MODEL NUMBERS

RU101, RU102
RU107, RU108
RU109, RU107E
RU108E

RU101

RU107

RU108

RU109

RU107E

RU108E

1. M970452-0070A
   FIXATION RING KIT

2. 050145-0070A
   1/2" SWEAT PLUG

3. M970453-0070A
   LOCKING CAM SCREW KIT

RU102

1. M970452-0070A
   FIXATION RING KIT

2. M970453-0070A
   LOCKING CAM SCREW KIT

PURCHASED SEPARATELY

M954805-YYY0A
DEEP ROUGH-IN KIT

HOT LINE FOR HELP
For toll-free information and answers to your questions, call:
1 (800) 442-1902
Weekdays 8:00 a.m. to 6:00 p.m. EST
IN CANADA 1-800-387-0369
(TORONTO 1-905-306-1093)
Weekdays 8:00 a.m. to 7:00 p.m. EST
IN MEXICO 01-800-839-1200

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