Thank you for selecting American-Standard...the benchmark of fine quality for over 100 years. To ensure that your installation proceeds smoothly—please read these instructions carefully before you begin.

Installation must conform to all local building codes.

**Recommended Tools & Materials**

- Phillips Screwdriver
- Pencil
- Hammer
- Adjustable Wrench
- Sealing Tape
- Tape Measure
- Drill Bit
- Torch
- Electric Drill
- Pipe Wrench
- Tubing Cutter
- Pencil
- Phillips Screwdriver
- Hammer
- Adjustable Wrench
- Tubing Cutter

**ROUGHING-IN DIMENSIONS**

- **1660.505**
  - 1/2" NPSM
  - 9-1/2"
  - 2-5/8"
  - 33-3/8"
  - OPTIONAL 8" OPTIMAL

- **1660.502**
  - 1/2" NPSM
  - 9-1/2"
  - 3-3/8"

- **OPTIONAL TO FINISHED FLOOR USUALLY BETWEEN 36" TO 48"**

- **FINISHED WALL**
  - 1/2" SUPPLIES
  - PLUG TUB OUTLET

- **BOTTOM OF SHOWER**
  - VALVE BODY HAS 1/2" SWEAT INLETS AND OUTLETS

- **OPTIONAL TO FINISHED FLOOR USUALLY BETWEEN 48" TO 54"**
  - 1/2" NPT
  - 1-1/4"
  - 1-1/4"
  - 3-3/8"
  - 35-3/8"
  - 1-5/8" TO 3-1/4"
  - 6" DIA.
1 INSTALL THE R120SS VALVE BODY

NOTE
REFER TO INSTALLATION INSTRUCTIONS (M968387) SUPPLIED WITH VALVE BODY FOR COMPLETE INSTALLATION AND REPAIR PART INFORMATION.

IMPORTANT
When soldering, remove PLASTER GUARD, CARTRIDGES and CHECK STOPS (IF PRESENT). When finished soldering, flush valve body, replace cartridges, check stops (if present) and plaster guard to continue installation. Use thread sealant or Teflon tape on threaded connections.

- See Roughing-in diagram before starting.
- Connections are:
  - 1/2" copper sweat for sweat inlets
  - 1/2" copper sweat for sweat tub and shower outlets

2 MAKE ALL CONCEALED PIPING CONNECTIONS

- See Roughing-in diagram before starting.
- Make Hot and Cold supply connections to the VALVE BODY. Inlet and outlet connections to the valve body are 1/2" copper sweat.
- Make the connections for the HAND SHOWER. The HAND SHOWER connection is 1/2" NPT.
- For support, use PIPE BRACES secured to wooden braces. Cap off HAND SHOWER. With the R120SS VALVE turned off, turn on water supplies. Check for leaks.
- Finish all wall construction.

3 INSTALL VALVE TRIM

NOTE
REFER TO INSTALLATION INSTRUCTIONS (M968763) SUPPLIED WITH VALVE TRIM KIT FOR COMPLETE INSTALLATION AND REPAIR PART INFORMATION.

- When finished tiling the wall, remove PLASTER GUARD.
- Install VALVE TRIM.

4 INSTALL WALL SUPPLY

NOTE
REFER TO INSTALLATION INSTRUCTIONS (M968637) SUPPLIED WITH WALL SUPPLY FOR COMPLETE INSTALLATION AND REPAIR PART INFORMATION.

- Supply to WALL SUPPLY is 1/2" NPT. See rough-in above for detailed information.
- Apply sealant or sealing tape to threads of 1/2" NPT supply nipple.
**CARE INSTRUCTIONS:**

**DO:** SIMPLY RINSE THE PRODUCT CLEAN WITH CLEAR WATER. DRY WITH A SOFT COTTON FLANNEL CLOTH.

**DO NOT:** DO NOT CLEAN THE PRODUCT WITH SOAPS, ACID, POLISH, ABRASIVES, HARSH CLEANERS, OR A CLOTH WITH A COARSE SURFACE.

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**INSTALL HAND SHOWER SLIDE BAR**

**NOTE**

REFER TO INSTALLATION INSTRUCTIONS (M968637) SUPPLIED WITH SHOWER SYSTEM KIT FOR COMPLETE INSTALLATION AND REPAIR PART INFORMATION.

- The height and location of the SLIDE BAR is optional. It can be installed to the right or left side of the R120SS VALVE.

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**INSTALL HOSE AND HAND SHOWER TEST SHOWER SYSTEM**

**NOTE**

REFER TO INSTALLATION INSTRUCTIONS (M968637) SUPPLIED WITH SHOWER SYSTEM KIT FOR COMPLETE INSTALLATION AND REPAIR PART INFORMATION.

- Place the HAND SHOWER into the SLIDE BAR after all hose connections are made. The installation of the SHOWER SYSTEM KIT is now complete.

- Turn on water supplies and check all functions of the SHOWER SYSTEM KIT. Check for any leaks.

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**American Standard**

**PRESSURE BALANCE TEMPERATURE/VOLUME CONTROL VALVE**

**MODEL NUMBER**

R120SS

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**COLONY SOFT VALVE TRIM**

**MODEL NUMBER**

T675.500

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**PRESSURE BALANCING CARTIDGE**

M952100-0070A

**PRESSURE BALANCING UNI**

051122-0070A

**Screwdriver Stops**

050145-0070A 1/2" SWEAT PLUG

**FIXATION RING WITH SCREWS**

M961854-0070A

**CARTRIDGES**

023603-0070A CARTRIDGE SCREWS

**CARTRIDGE SCREWS**

M952100-0070A

**SCREWDRIVER STOPS**

023529-0070A

**1/2" SWEAT PLUG**

M961854-0070A

**1/2" SWEAT PLUG**

M952100-0070A

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**ESCUTCHEON AND SCREWS**

M961856-0020A

**ESCUTCHEON SCREWS**

M78016-0020A

**1/2" SWEAT PLUG**

M961854-0070A

**CARTRIDGES**

023603-0070A CARTRIDGE SCREWS

**CARTRIDGE SCREWS**

M952100-0070A

**SCREWDRIVER STOPS**

023529-0070A

**1/2" SWEAT PLUG**

M961854-0070A

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**LEVER HANDLE KIT**

M961636-0020A

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**HANDLE SCREW KIT**

030126-0070A

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**DECAL**

M907050-0020A

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**FIXATION RING WITH SCREWS**

M961636-0020A

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**ESCUTCHEON CAP SET**

M909606-0020A

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**HANDLE SCREW KIT**

030126-0070A

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**ESCUTCHEON SCREWS**

M78016-0020A