

# Instructions

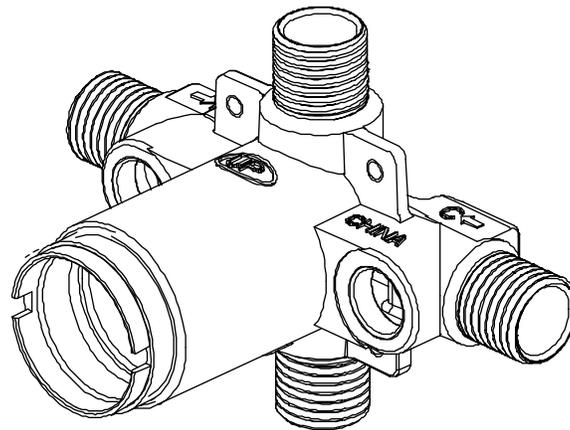
7020 – Brass w/Built-in Stop Valve



## Certifications



## Pressure Balance Shower Valve



### Tools Required

Adjustable Wrench  
Groove Joint Pliers  
Pipe Wrench  
Phillips Screwdriver  
Pipe Tape or Pipe Thread Compound



### Safety Tips

If you solder the joints during installation, the seats, cartridges, and washers must be removed before using a flame or the warranty will be voided on these parts.

Protect your eyes with safety glasses when cutting or soldering water supply lines.

Cover the sink drain to avoid losing parts.

### Things You May Need

Installations may vary depending on how the previous faucet was installed. Supplies necessary for the installation of your faucet are not all included; however, they are available wherever plumbing supplies are sold.

### Important Points

Prior to beginning installation, turn off the hot and cold water lines, then turn on the old shower to release built-up pressure.

Wrap all threaded connections with PTFE pipe tape available at your local hardware or plumbing supply store. Always wrap in a clock-wise direction.

### Contact Us

For Customer Service please call 877-319-3757, or go to [homeworksww.com](http://homeworksww.com).

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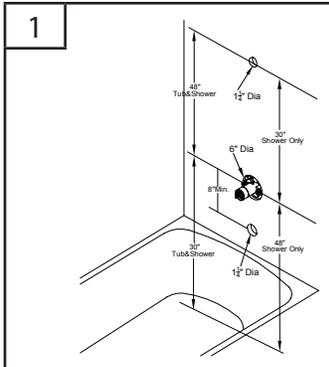


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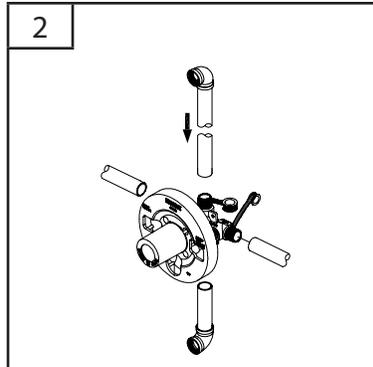


## Pressure Balance Shower Valve

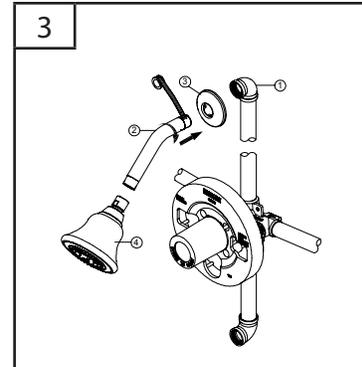
### Preparation and Assembly



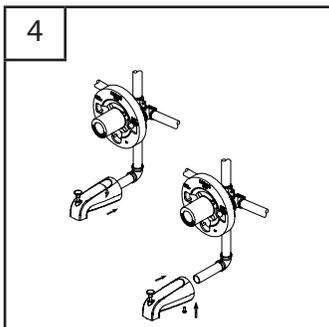
Shut off water supply. Verify that the hole sizes and positions in the wall are correct.  
Recommended component measurements  
A. Shower and/or spout outlet hole:  
1-1/4" diameter  
B. Valve access hole: 6" diameter



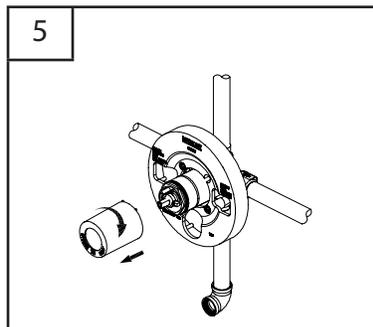
SHUT OFF WATER SUPPLY & CONNECT HOT AND COLD SUPPLY LINES  
Connect water supply to left (hot) and right (cold) valve body inlets. Thread sealant may be required depending on your installation method. All thread sealants may be found at your local plumbing supply store.  
NOTE: All plastic components must be removed if the installation involves heat such as soldering with a torch. Failure to remove plastic components voids your warranty.



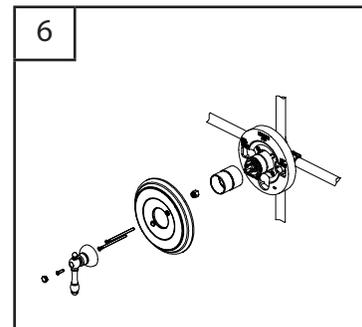
FOR SHOWERHEAD INSTALLATION  
Connect top outlet (1) to shower arm (2) with proper fittings. To prevent damage to finish on shower arm, insert wall end of shower arm into shower flange (3) before screwing arm into riser connection. Thread showerhead (4) onto shower arm. Do not overtighten showerhead.



FOR TUB SPOUT INSTALLATION  
Install tub spout:  
A. Thread spout onto threaded connection clockwise until the spout becomes flush with the finish wall (Fig. A)  
B. Push tub spout onto pipe nipple until spout is properly positioned and flush with the finished wall. Tighten the set screw with a screwdriver (Fig. B)  
Thread sealant may be required depending on your installation method.



Before installing escutcheon, remove the plastic cap from plaster guard by twisting cap clockwise.



Push the sleeve onto the valve. Then install escutcheon onto valve. Screw in Escutcheon and install assembly.

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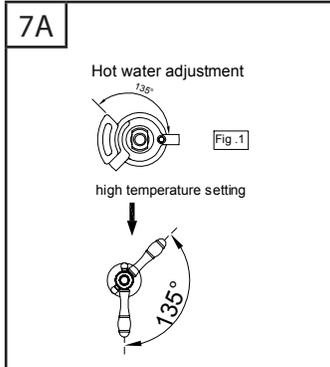


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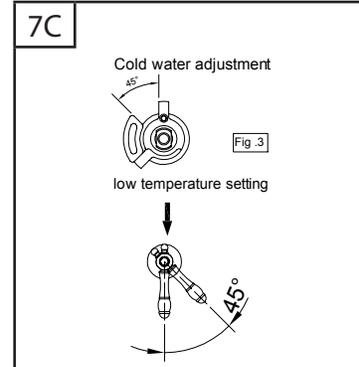
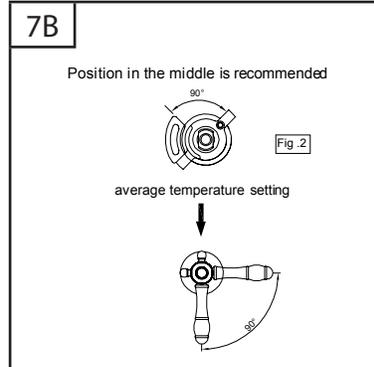


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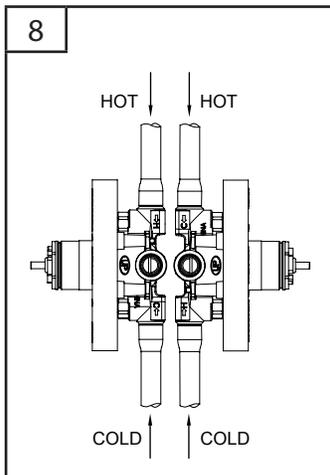
### Preparation and Assembly cont.



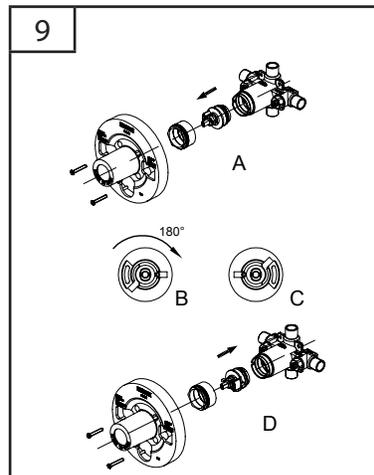
Adjusting water temperature range.



### Back-to-Back Application



After one of the valve bodies is installed, the other one should follow Step 9 to install. Refer to Steps 1-7 to install the back-to-back valve body.



Disassemble the plastic cap, bonnet and cartridge. Rotate the cartridge 180 degrees according to image B (refer to image C). Install the valve body assembly according to image D.

**NOTE:**

The 900-STAD valve has an integrated shut-off valve.

After the valve has been installed, close the valves and turn on the main hot and cold water supply to check connection. Complete valve and shower assembly. Open integrated shut-off valves completely. Flush system.

The valve cartridge may be removed for maintenance by closing the integrated stops.

# Troubleshooting

7020 – Brass w/Built-in Stop Valve



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### Pressure Balance Shower Valve

#### Troubleshooting

**PROBLEM:** Leaks underneath handle.

**CAUSE:** Bonnet has come loose or bottom gasket on cartridge is dirty or twisted.

**ACTION:**

Tighten the bonnet. Clean or replace O-ring.

**PROBLEM:** Water will not shut off completely.

**CAUSE:** Rubber valve seat is dirty or broken.

**ACTION:**

Remove handle and cartridge to check the rubber valve seat. Clean or replace it by calling Customer Service.

**PROBLEM:** Water temperature can not be adjusted by limiting device, or no hot or cold water.

**CAUSE:** Dirty balance spool.

**ACTION:**

Turn off water supply. Take off seats and springs from the housing and clean both parts with a brush and vinegar water.

# Specifications



## Certifications



**7020 – Brass w/Built-in Stop Valve**

### Physical Characteristics

- Description: Pressure balance valve with stops, IPS and compression x compression connections
- ASME A112.18.1/CSA B125 Certified
- Total Weight of Item: 2.26 lbs.

No.	Part Description	Part Number
1	Stop Valve	RP70097
2	Spool housing	RP70115
3	Cartridge	RP22003
4	Bonnet	RP70126
5	O-ring	RP60018

# Rough-In

7020 – Brass w/Built-in Stop Valve



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Pressure Balance Shower Valve

