



ENGINEERING EXCELLENCE

Installation Guide

Single Handle Tub & Shower Valve Set:

- 4020B

This product meets the following standards:

- ASME A112.18.1
- ANSI A117.1
- ASSE 1016
- CUPC / IAPMO LISTED

Thank you for purchasing this Pioneer quality product.

Tools Required



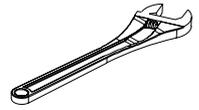
Propane Torch



Lead-Free Solder



PEX Crimp Tool



Adjustable-Wrench



Teflon Tape



Hacksaw &
Pipe Cutter



Straight &
Phillips Screw-
drivers

Prior to Installation

- Observe all local plumbing and building codes before you begin installation.
- Carefully shut off both hot and cold main water supplies.
- Pioneer reserves the right to make changes in the design of faucets without notice as specified in the pricebook.

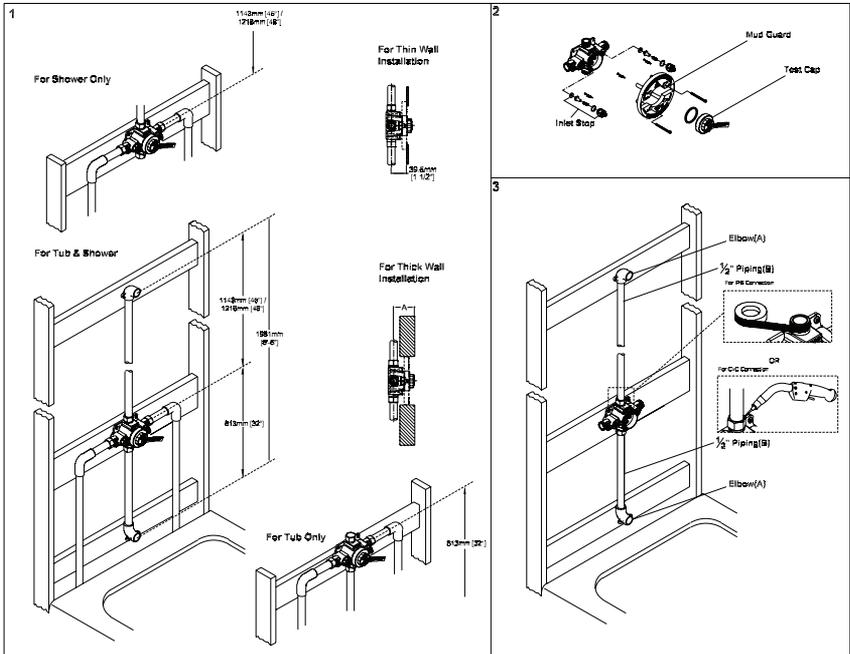
Caution: These products may cause personal injury due to scalding if the temperature is set too high. We recommend that temperature is set below 120 ° F (49 ° C).

Valve Installation

1. Determine the location of the valve. Install the required support framing. Determine the distance between valve outlet centerline to the finished wall surface 'A' based on the Trim need to be installed from the Table. If the dimension does not get follow then some trim may not be installed aesthetically.
2. Remove inlet stop assembly, test cap before soldering.
3. Locate the Valve and install 1/2" piping (B) and elbows (A) to bath and shower outlets. Do not use more than one elbow (A) on the spout outlet. Ensure the 'up' marking on the valve face toward the ceiling. If this installation is for bath or shower only, cap shower or bath port accordingly. Do not forget to put the washer underneath of the cap. Apply sealant or Teflon tape to threaded connections.

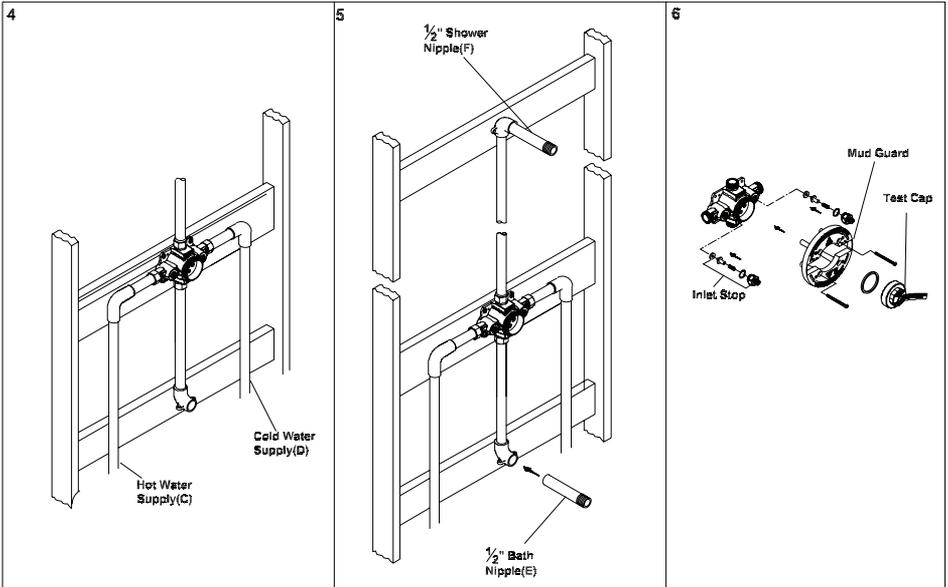
Caution: Do not use PEX or CPVC between the valve and tub spout.

Series	'A'	Series	'A'
4LG100T~400T	2-1/8"	192X1XT-H5X	2-1/8"
4DM100T~400T	2-1/4"	191X12T-HXX	2-1/4"
4CB100T~400T	2-1/8"	1279X0T-H73	2-1/4"
4PR100T~400T	2-1/4"	128970T-H85	1-3/4"
1259X0T-H63	2"	128980T-H85	1-3/4"



Valve Installation

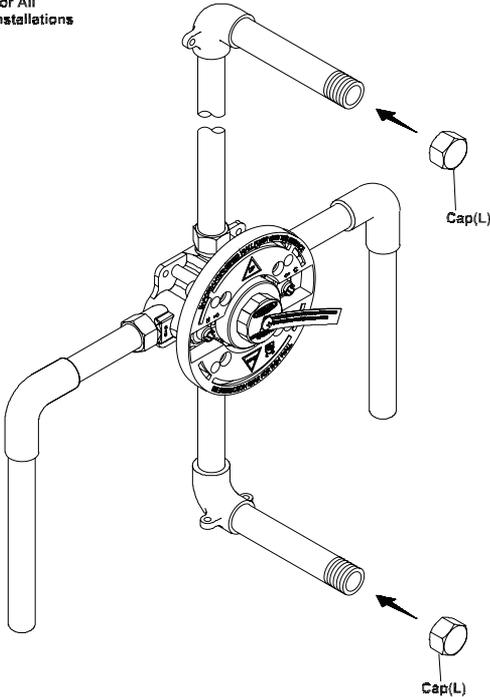
4. Install hot and cold water supplies (C&D) using 1/2" iron pipe, copper to copper, CPVC or PEX connections.
5. Connect appropriate size of 1/2" pipe nipples (E&F) to bath and shower outlets.
6. Replace the inlet stop assembly and test cap. While replacing the inlet stop do not tighten more than 5lbs/inch². Overtightening may cause damage to the inlet stop.



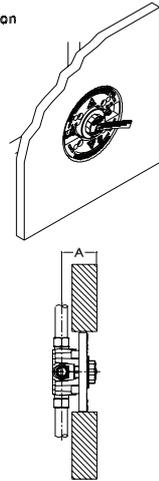
Valve Installation

7. Turn on main water supply to flush all the debris then turn off main water supply. For all installations, install caps (L) on the bath and shower nipples (E & F). Turn on the hot and cold water supplies and check for any leaks.
8. For thick or thin wall installation refer to the drawings. For Thick Wall Installation Determine the distance between valve outlet centerline to the finished wall surface 'A' based on the Trim need to be installed from the Table. If the dimension does not get follow then some trim may not be installed aesthetically.

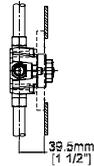
7 For All Installations



8 For Thick Wall Installation



For Thin Wall Installation





ENGINEERING EXCELLENCE

3325 S. Garfield Ave | City of Commerce, CA 90040
Telephone: (800) 338-9468 | (323) 888-8873 | Fax: (323) 888-9515
Hours: M - F, 7:30am to 5:00pm PST



ESTATE

BY PIONEER

Distinctive Living Redefined

Installation Guide

Three Way Diverter Valve Set:

- 199733B

This product meets the following standards:

- ASME A112.18.1
- ANSI A117.1

Thank you for purchasing this pioneer quality product.

Tools Required



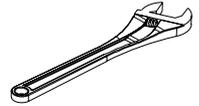
Propane Torch



Lead-Free Solder



PEX Crimp Tool



Adjustable-Wrench



Teflon Tape



Hacksaw & Pipe Cutter



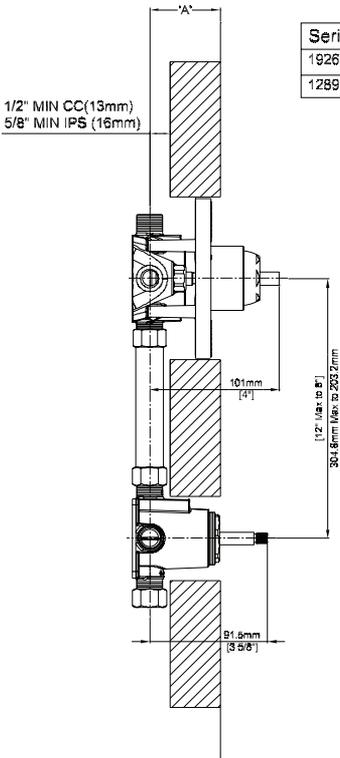
Straight & Phillips Screw-drivers

Prior to Installation

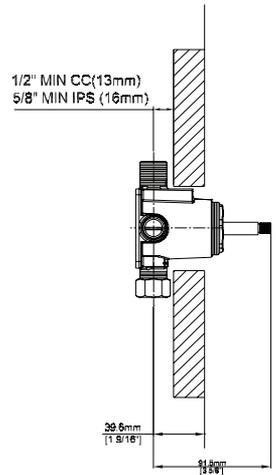
- Observe all local plumbing and building codes before you begin installation.
- Carefully shut off both hot and cold main water supplies.
- Plug the tub drain with a soft cloth to prevent intrusion of debris or the loss of any faucet parts.
- Pioneer reserves the right to make changes in the design of faucets without notice as specified in the pricebook.

Valve Installation

- The minimum recommended distance from pressure balance valve to diverter valve is 8" (203.2 MM). Refer to table for the installation distance from the center of the diverter valve outlet port to finished wall. Hole through the wall for stem should be minimum 2" to maximum 2-1/2" diameter to allow access to diverter valve and allow for face plate to cover opening in wall.
- Note:- This is not control valve or mixing valve. It is only transfer or diverter valve which can divert mixed water up to 3 outlet. The table below indicates water flow to the 3 outflow ports marked 'L', 'R', 'DOWN' based on handle position. The handle can rotate 360°.

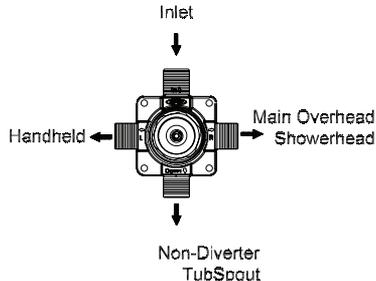


Series	'A'
192612T-H57	2-3/8"
128960T-H86	1-3/4"



For 4020B & 199733B Installation

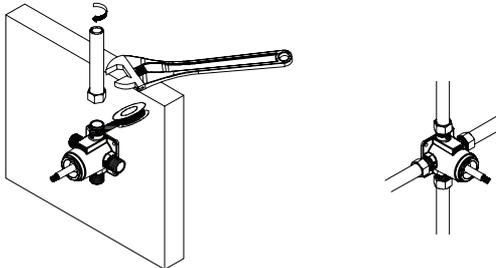
For 199733B Installation



Valve Installation

- For 1/2" IPS connection installation:- Install inlet mix water supply and outlets to desired location piping to valve.
- Apply teflon tape around valve inlet & outlet ports.
- Tighten the end of supply tube to inlet port with adjustable wrench.

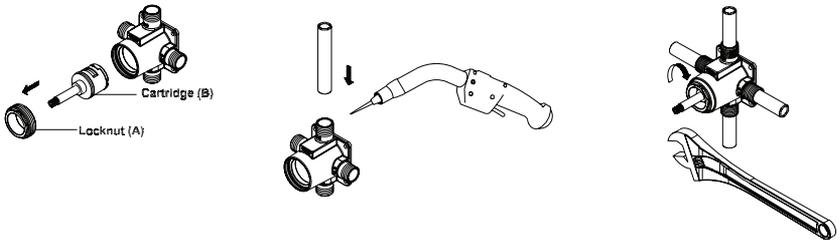
For IPS Connection



Valve Installation

- For 1/2" CxC connection installation:- Install inlet mix water supply and outlets to desired location piping to valve.
- Before heating the valve, The locknut (A) and ceramic cartridge (B) must be removed to protect seals from heat damage. Failure to do so will result in cartridge damage.

For CxC Connection



For more care information or trouble shooting inquiries about your Pioneer Product, please see the contact information on the back page.

ESTATE
BY PIONEER
Distinctive Living Redefined

3325 S. Garfield Ave | City of Commerce, CA 90040
Telephone: (800) 338-9468 | (323) 888-8873 | Fax: (323) 888-9515
Hours: M - F, 7:30am to 5:00pm PST