U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WASHINGTON, DC 20410-8000

OFFICE OF HOUSING

APR 24 2015

MEMORANDUM FOR: All Manufacturers, PIAs and SAAs

FROM: Pamela Beck Danner
Administrator
Office of Manufactured Housing Programs

SUBJECT: Update -Installation of Mixing Valves and Water Temperature Limiting Devices (Anti-Scald Valves)

This is in follow-up to my memorandum of March 10, 2015, that clarified responsibilities and guidance for manufacturers, IPIAs, and DAPIAs pertaining to the installation of mixing valves and water temperature limiting devices (anti-scald valves) for shower and tub shower combinations and for bathtubs and whirlpool baths now required by the Manufactured Home Construction and Safety Standards. Specifically, §3280.607(b)(3)(v), requires:

- Shower and tub-shower combination valves to be either pressure balanced, thermostatic, or combination mixing valves that conform to the requirements of ASSE 1016 – 2005 and having a maximum temperature setting of 120°F, and

- Hot water supply for bathtubs and whirlpool bathtubs to be equipped with a water temperature limiting device that conforms to the requirements of ASSE 1070 – 2004 and will deliver hot water with a maximum temperature of 120°F.

- The installation, accessibility, and testing of the valves and fixtures are critical to ensuring the fixtures perform as required to limit the temperature of the water delivered from the fixture outlets to a maximum of 120° F. Since my prior memorandum was issued, the Department received information from one SAA and have again reviewed product manufacturers' instructions and verified with valve and fixture suppliers that these devices and fixtures are typically **not** being pre-set at the factory of the product suppliers for the maximum temperature setting of 120° F.

As previously indicated, manufacturers need to obtain DAPIA-approval of the product manufacturer installation instructions/specifications for the valves and fixtures as part of their construction design package. It is also the responsibility of the manufacturer to determine appropriate in-factory quality control measures that when followed will result in a home that complies with the above-emphasized standards requirements.

Accordingly, manufacturers must also include procedures in their quality assurance manuals for in-plant water testing in order to verify that the temperature setting for these devices does not exceed a maximum of 120° F. If the valves and fixtures are not temperature-set and verified by the manufacturer as indicated above, the manufacturer's DAPIA approved installation instructions must be amended to include and require that the temperature setting for these devices is to be water tested (24 CFR 3285.603(e)) and verified during the installation/setup of the home, so as to ensure compliance. Alternatively, home manufacturers may want to request that product suppliers pre-set their valves and devices and provide written verification to manufacturers that the setting will not allow hot water to exceed a maximum temperature of 120° F.

As a reminder, access must be provided in accordance with an approved design that will facilitate setting and adjustment of the devices as well as provide for ongoing maintenance in accordance with product manufacturer instructions.

Please forward this memorandum to your manufacturer clients and ensure they understand the importance of the proper installation, accessibility, and testing of these mixing valves and temperature limiting devices. If you have any questions regarding this issue, please contact your agency's HUD liaison of this office at (202) 708-6423.

JUNO Message Center

From: Alberto <Alberto@huntingtonbrass.com>

To: Charlie R <randruss@juno.com>

Sent: Tue, Sep 27, 2022 04:58 PM

Subject: Re: Secure or not Secure shower valve

Charlie
We are the valve manufacturer, so, we only recommend installation for the valve to function properly and the depth of the valve to the finish wall.
We don't recommend anything past that, it's up to the plumber to install the valve properly with all national and local building codes.

Thank you,

Alberto Sanchez
Technical and Display Support
1-800-888-6604 Ext. 115/118
HUNTINGTON BRASS

JUNO Message Center

From: Zane <Zane@vwsupply.com>

To: "RANDRUSS@JUNO.COM" <RANDRUSS@JUNO.COM>

Sent: Tue, Sep 27, 2022 02:13 PM

Subject: Installation Instructions

Down at the bottom is a shortcut to the valves they have just in case that's not the exact one.
I've been in the plumbing world for almost ten years and I've never heard of somebody not mounting the shower valve to a wood stud to anchor it.

https://www.huntingtonbrass.com/catalogsearch/result/?q=VALVE

Huntington Brass Installation Instructions for: P3223199 Push Button Tub and Shower Valve

Huntington Brass Installation Instructions for: P3223199 Push Button Tub and Shower Valve 1. 2. 3. www.huntingtonbrass.com HOT COLD Outlet Mud guard should be flush

www.huntingtonbrass.com

https://www.huntingtonbrass.com/catalogsearch/result/?q=VALVE

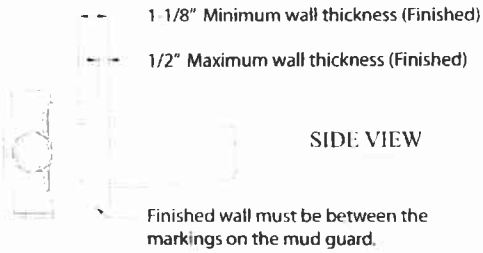
9/19/22 10:57 AM

1

3/4" PLUG MUST BE INSTALLED IN TOP OR BOTTOM OUTLET

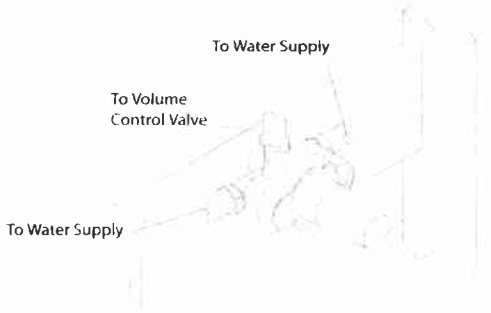
Please note that the valve is stamped with "HOT" & "COLD" on the top and "C" (chad / hot) and "F" (froid/cold) on the bottom. The valve is designed with two outlets for ease of installation, but are not intended to be used simultaneously. **Using both outlets will make the valve not function properly.** Determine which outlet port will be used for the installation and plug the other outlet with the 3/4" plug provided.

2



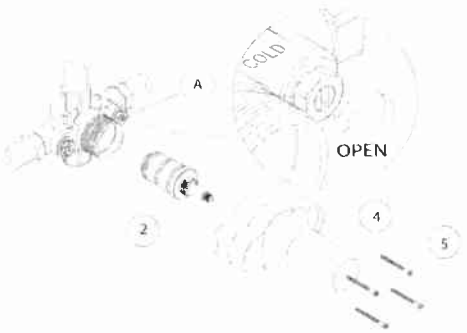
Make sure the tile guide is firmly secured to the valve and determine the proper location for the mixing valve. The from edge of the tile guide must be a minimum of 1/2" beyond the finished wall and no more than 1-1/8".
Determine the proper orientation of the valve (see step 1). A reverse cartridge is available, but there is a reduction of 25 percents in the output of the valve.

3



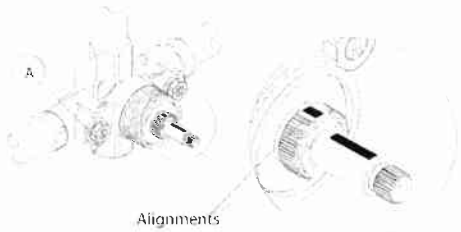
Once the location has been determined, install a cross beam. Level the valve and secure to the crossbeam. Connect the thermostat - mixing valve to the hot and cold supplies using copper supply lines and 3/4" male adaptors. (NOTE: Do not apply heat directly to the valves as this may damage rubber and plastic seals and will void the warranty). Connect the outlet port to the volume control valve (Huntington Brass volume control valves and trim kits are sold separately).

4



Flush supply lines. Remove the mounting screws (#5) and the tile guide (#4) Close integral stop (#A) by turning screwdriver slots clockwise fully. Remove cartridge (#2) by using a wrench and turning counter clockwise. Turn on water supply and open integral stops by turning screwdriver slots counter clockwise. Shut-off integral stops.
Failure to complete this step will void the warranty.

5



Reinstall cartridge. Make sure that the alignment marks on the cartridge stem are on the top of the cartridge. Secure cartridge back. Open integral stops and flash lines to volume controls (s), outlet (s), etc. Check all connections for leaks. Close integral stops and reinstall tile guide. The wall is now ready to be closed.

6

Once the finished wall has been completed, removed black tile guide (#4)

From Amazon.com

Product Description

Pressure balanced valve 04120-00. This valve gives great performance even with low water pressure. Rough in with mud guard included. Universal fittings 1/2" IPS and 1/2" CC. Hot and cold service stops. Hot temperature stop limit. Four anchor points for face plate installation and blocking to secure valve in wall. Complies with all certified testing requirements for cup/ASSE1016. Huntington Brass is the leader of residential faucets, tub fillers and showers in the kitchen and bath category. Vertically integrated manufacturing and innovative engineering combine to produce value driven high quality products for the plumbing industry.

From the Manufacturer

Pressure balanced valve 04120-00. Forged brass valve body featuring the high quality lifetime guarantee ceramic disc cartridge. This valve gives great performance even with low water pressure. Rough in with mud guard included. Universal fittings 1/2" IPS and 1/2" CC. Hot and cold service stops. Hot temperature stop limit. Four anchor points for face plate installation and blocking to secure valve in wall. Complies with all certified testing requirements for cUPC / ASSE1016. Huntington Brass is the leader of residential faucets, tub fillers and showers in the kitchen and bath category. Vertically integrated manufacturing and innovative engineering combine to produce value driven high quality products for the plumbing industry.

This is what I found out.

1) Hud rule "As a reminder, access must be provided in accordance with an approved design that will facilitate setting and adjustment of the devices as well as provide for ongoing maintenance in accordance with product manufacturer instructions.

2) Manufacturer instructions go by national and local building codes.

3)Local inspector said go by HUD rules. I don't seem to be able to get a definite answer.

HUNTINGTON BRASS

SPECIFICATION / BREAK DOWN

Shower valve rough in - P1023199

Description

- Ceramic disc valve
- Pressure Balanced cartridge
- Forged brass valve body
- Universal 1/2" IPS and 1/2" CC fittings
- Back to back installation
- 4 Anchor points for face plate installation and blocking to secure valve in wall

Standards

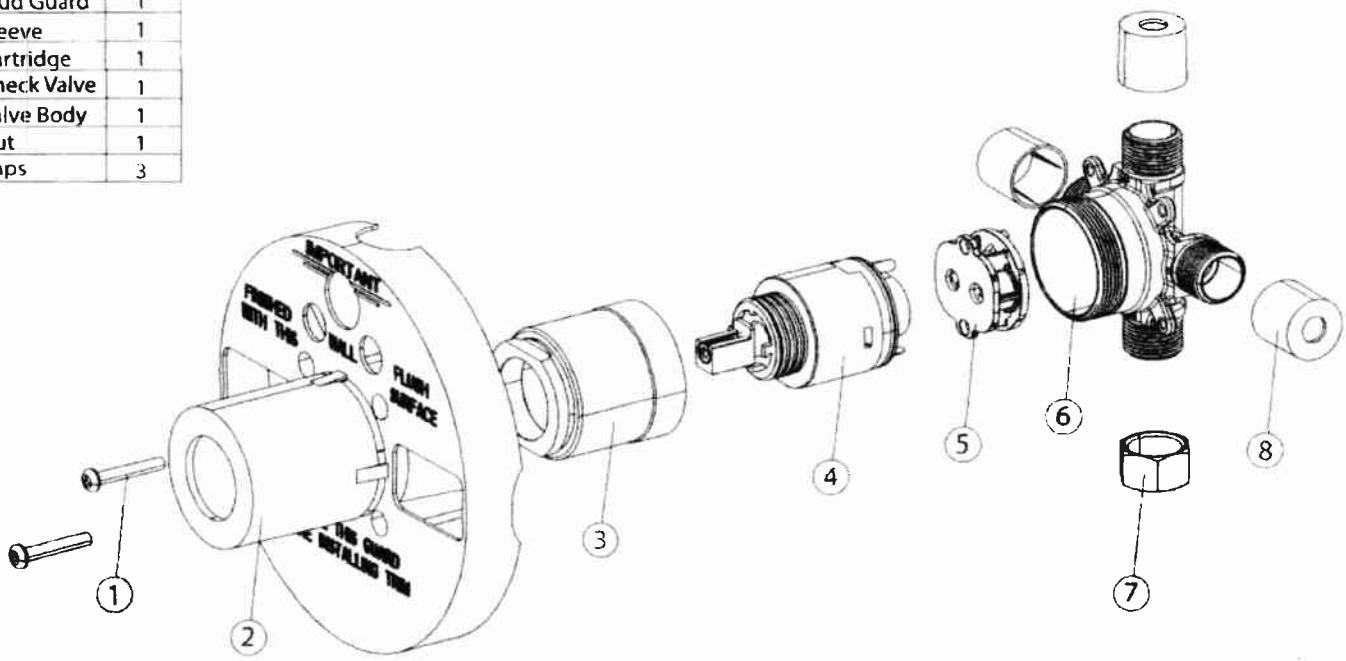
- Complies with IAPMO UPC/cUPC
- ASSE 1016-2011 compliant

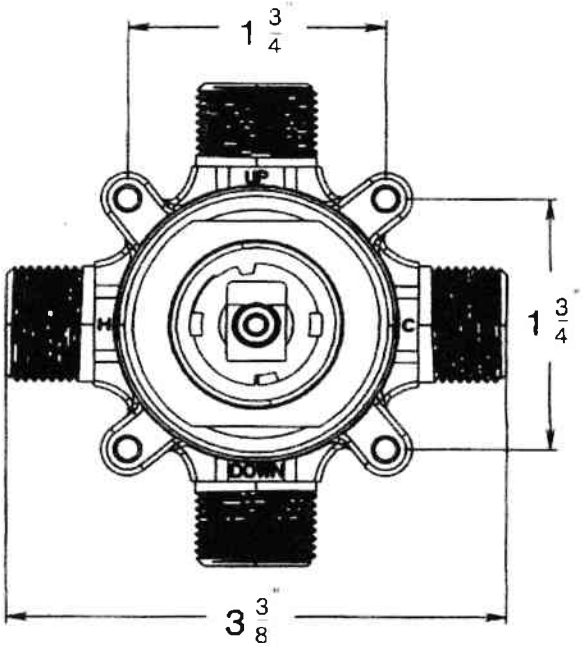
P1023199

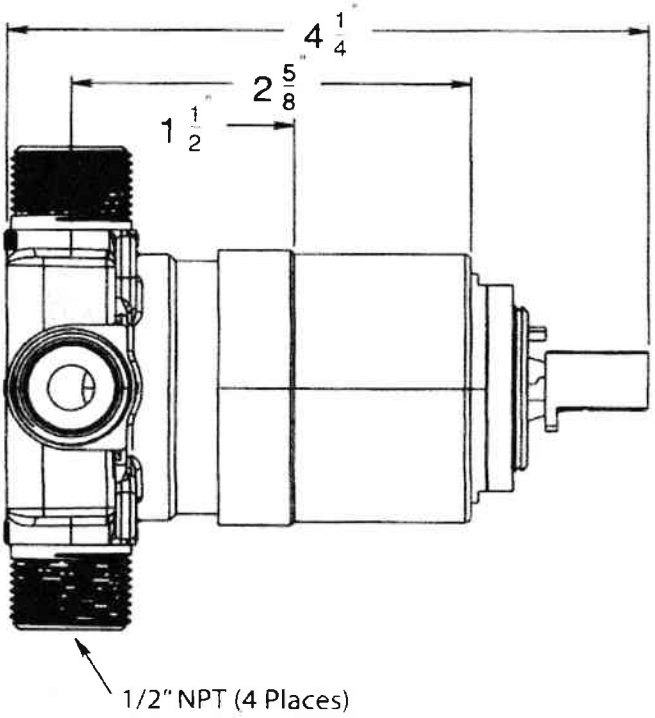
BREAK DOWN

Component Parts List

NO.	Description	Qty
01	Screws	2
02	Mud Guard	1
03	Sleeve	1
04	Cartridge	1
05	Check Valve	1
06	Valve Body	1
07	Nut	1
08	Caps	3







Item Number	Type	Date
P1023199	Rough-in Valve	12/12/15

HUNTINGTON BRASS

SPECIFICATION / BREAK DOWN

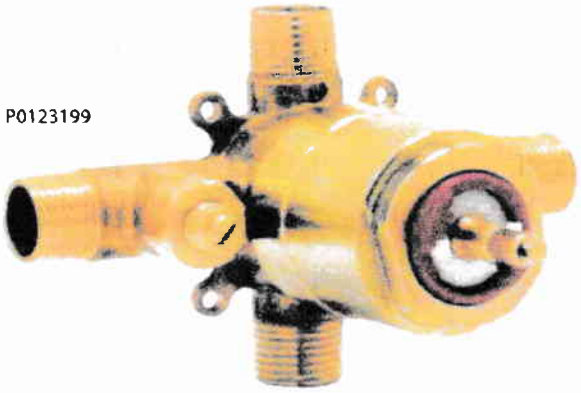
Shower valve rough in - P0123199

Description

- Ceramic disc valve
- Pressure Balanced cartridge
- Hot and cold one way check valves
- Forged brass valve body
- Universal 1/2" IPS and 1/2" CC fittings
- Hot and Cold service stops
- Back to back installation
- 4 Anchor points for face plate installation and blocking to secure valve in wall

Standards

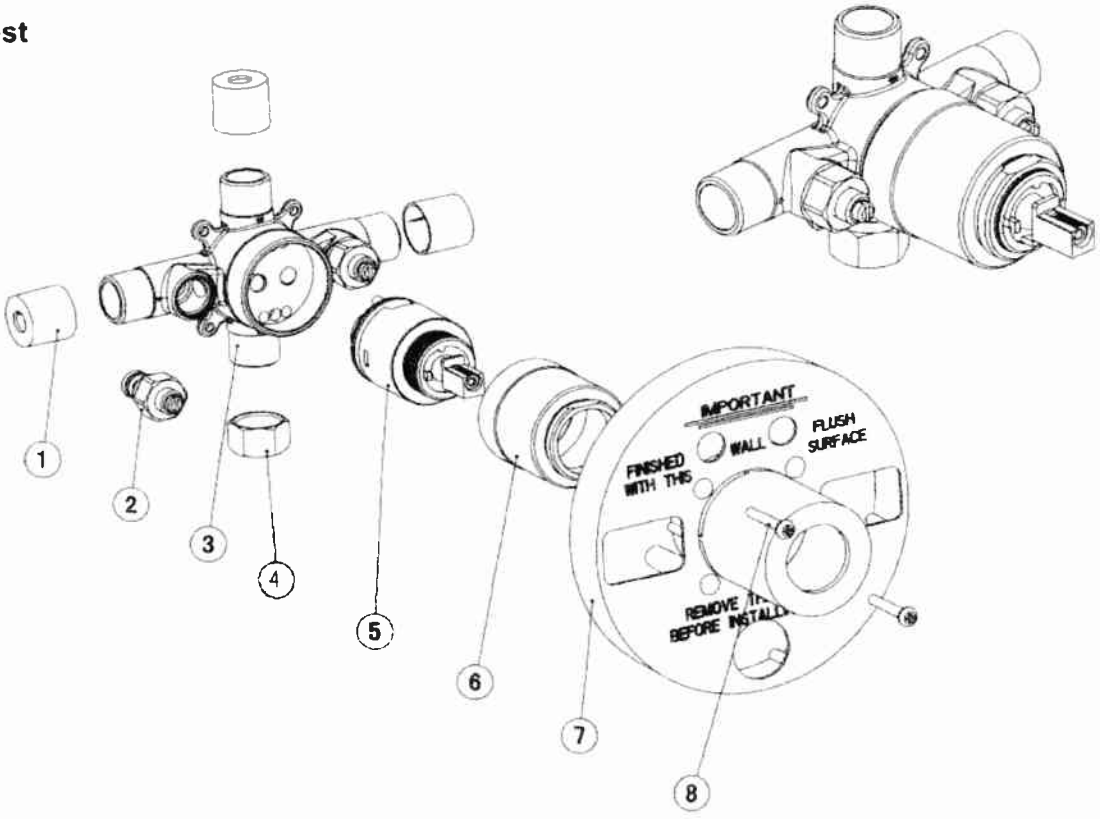
- Complies with IAPMO UPC/cUPC
- ASSE 1016-2011 compliant

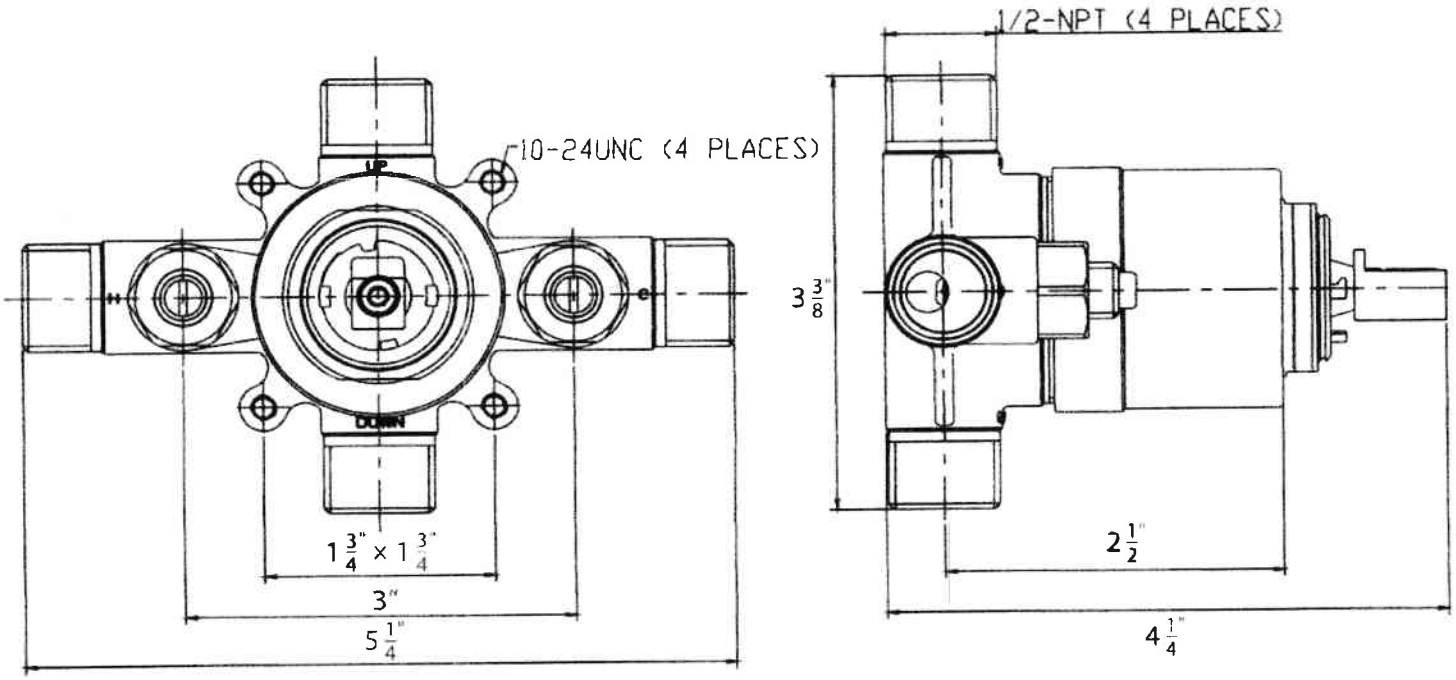


BREAK DOWN

Component Parts List

NO.	Part No	Qty
01	CTCP0362	3
02	ATBA0109	2
03	ATBY0176	1
04	CTTB0038	1
05	ATBA3002	1
06	CTCB0615	1
07	CTCP0361	1
08	CTST1005	2





Item Number	Type	Date
P0123199	Rough-in Valve	12/15/15

HUNTINGTON BRASS

SPECIFICATION / BREAK DOWN

Shower valve rough in - P1023199-1

Description

- Ceramic disc valve
- Pressure Balanced cartridge
- Forged brass valve body
- Universal 1/2" IPS and 1/2" CC outlet fittings
- PEX hot and cold inlet fittings
- Back to back installation
- 4 Anchor points for face plate installation and blocking to secure valve in wall

Standards

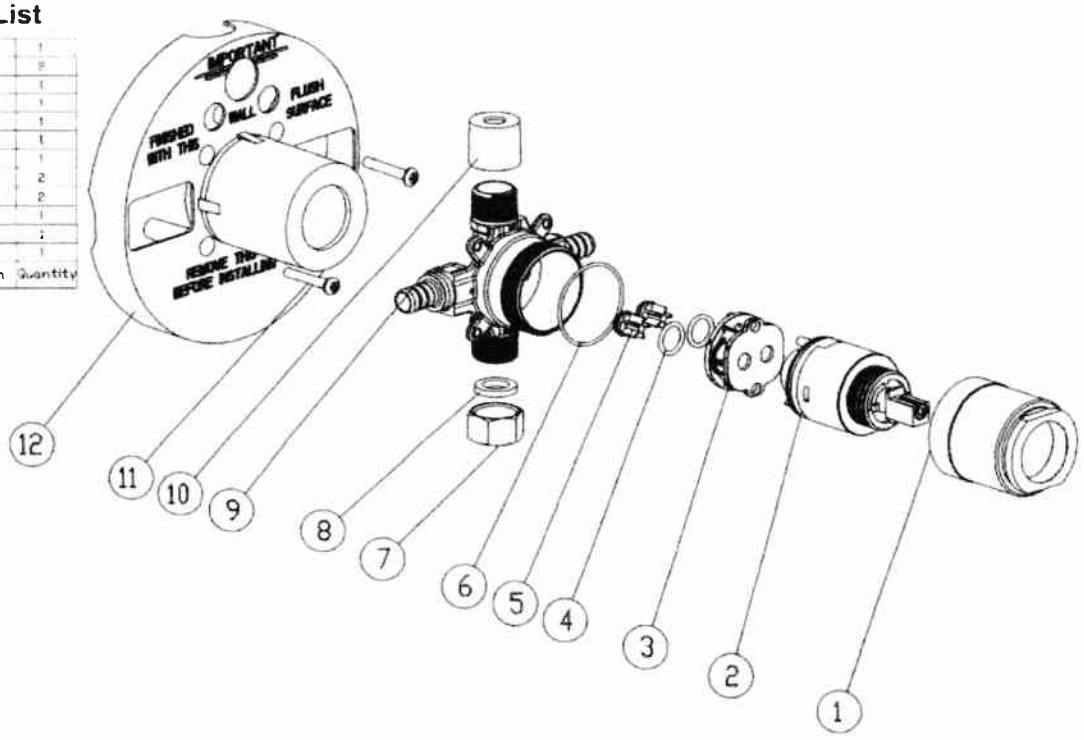
- Complies with IAPMO UPC/cUPC
- ASSE 1016-2011 compliant

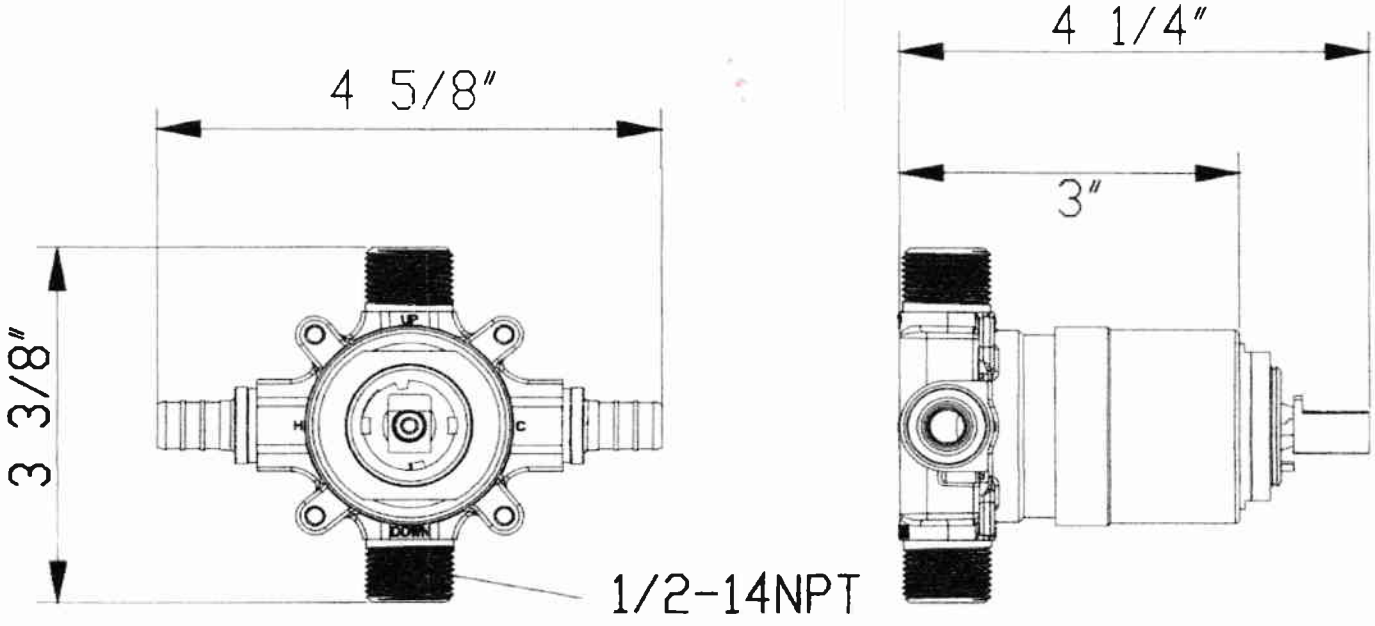
P1023199-1

BREAK DOWN

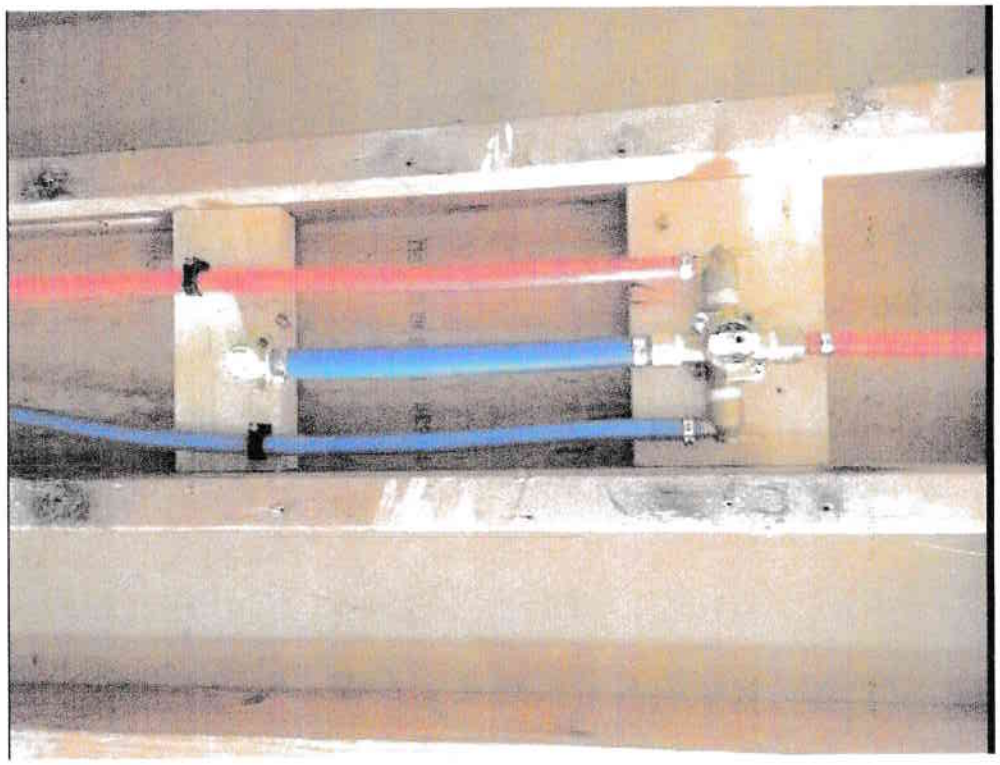
Component Parts List

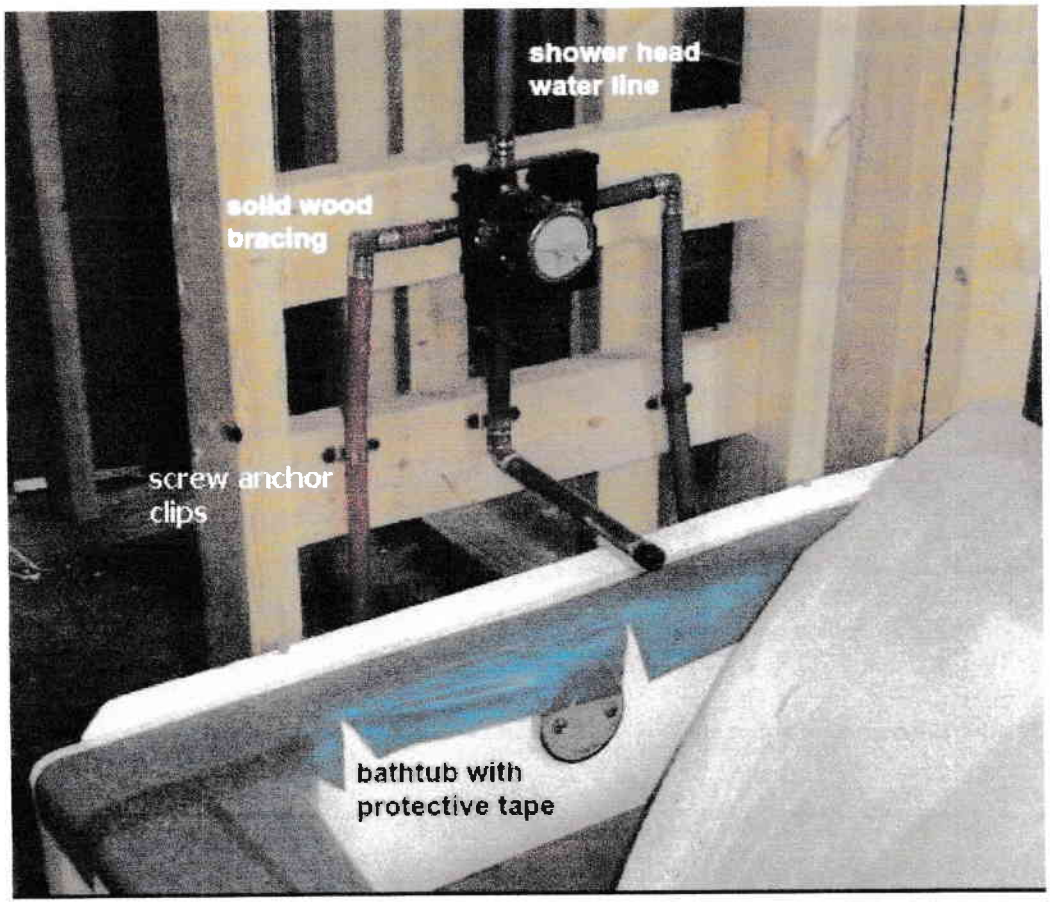
NO.	Drawing No.	Part Description	Quantity
12	CTCP0430	MUD GUARD	1
11	CTST1005	SCREW	2
10	CTCP0362	COVER	1
9	ATBX0259	BODY	1
8	CTWP0249	WASHER	1
7	CTTB0038	PLUG	1
6	CTRP0107	O-RING	1
5	ATBA0240	VALVE	2
4	CTRP0076	O-RING	2
3	CTBP3062	BASE	1
2	ATBA3006	VALVE	2
1	CTCP0051	THREADED SLEEVE	1

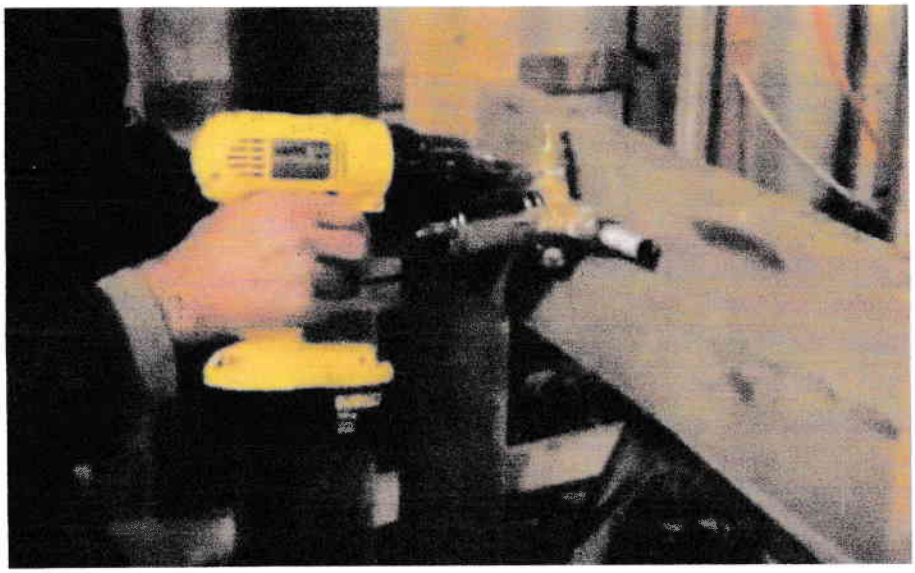


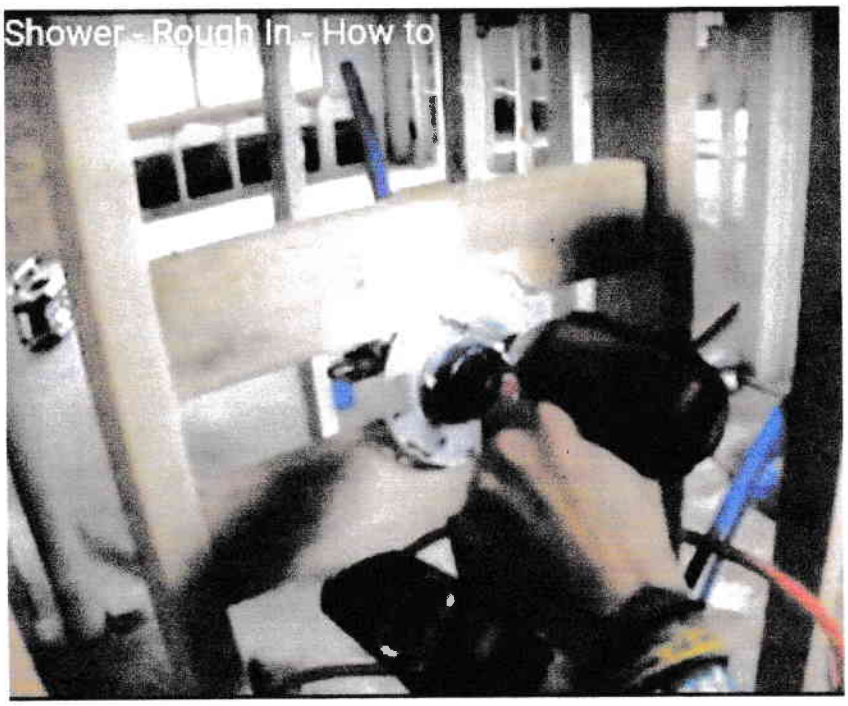


Item Number	Type	Date
P1023199-1	Rough-in Valve	11/04/16




shower head
water line
solid wood
bracing
screw anchor
clips
bathtub with
protective tape




Shower - Rough In - How to