



INSTALLATION GUIDE

Cixx Pressure Balance Control CX-PB

Jul 2014

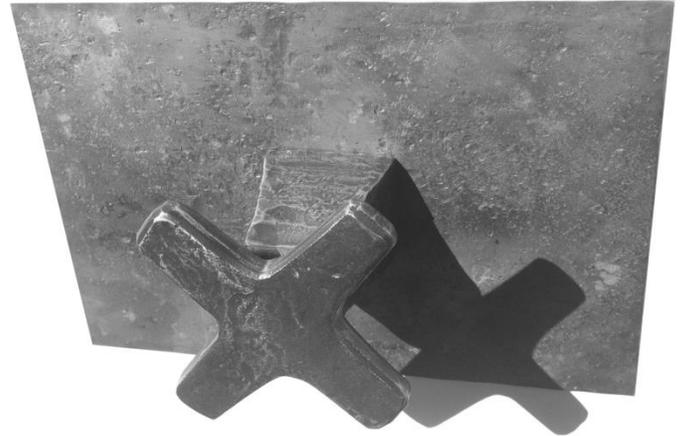
Flush lines of debris prior to starting. Debris may clog cartridge. Please call Sonoma Forge for replacement parts if necessary.

A black mud guard normally represents a typical hole size required to access the stops, as well as how deep the valve should be installed.

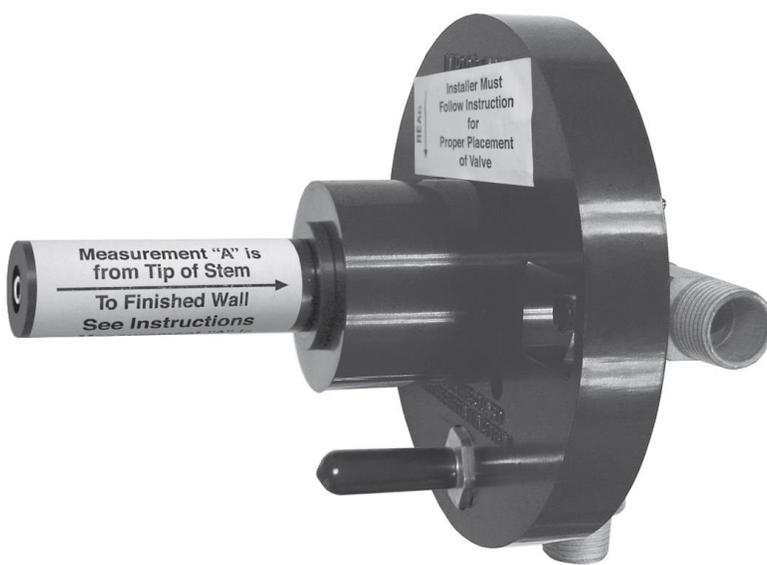
THIS IS NOT THE CASE WITH THIS KIT.

With the mud guard being just short of 6" and the Cixx trim plate just about 6", this leaves you very little room for error. An access hole should be about 4" wide and 3" tall.

The placement of the valve is critical.
The center of the valve inlets should be 4 – 5" inside the finished wall.
Do not install the valve shallower than 4".



Stem extensions are available for valves installed further than 5" in the wall.



The service stops should always be in the full-open position with the valve in use. They are not to be used to restrict flow of either hot or cold inlets. The hot and cold water must be fully operational at the valve inlets or the unit will not function properly. Any unused port(s) must be capped by plumber during installation.



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ROUGH-IN OF VALVE

1. Install valve in wall, connecting to 1/2" female copper sockets or 1/2" male I.P. nipples. Note the "H", "C", "UP" and "DOWN" markings on the back of the valve.
2. The depth of rough-in should account for thickness of wall materials to be used.
The center of the valve inlets should be 4" – 5" inside the finished wall.
3. For installations with tub spouts, 36" must be allowed between valve and shower head.
4. Anchor installation to bracing between studs. (Ears on the valve body can be used by removing the plastic guard OR by anchoring the connection piping.)
5. Valve should be pressurized and tested for leaks at the connections.
DO NOT close wall until valve is tested and working properly.
6. Plastic guard can be left attached to the valve until the finished wall material is installed, but this is not advised. **The trim plate is only 6-1/8" square, while the mud guard is 5-15/16" diameter.**
7. To properly set the limit ring in accordance with local code requirements, you must use a thermometer or calibrated sensing device to accurately measure the outlet water temperature.
It is the responsibility of the installer to set the maximum output temperature of the valve as specified by the authority having jurisdiction in accordance with ASSE/ANSI 1016-2005 4.2.2

To adjust temperature further than out-of-box settings:

8. Turn off the water using both screw driver service stops.
9. Expose the top of the cartridge by removing the hex cap from the valve body.
10. Remove the gray temperature ring by placing the blade of a knife into the groove and prying it off.
11. Locate the stop tab on the bottom of the ring. The further it is re-oriented in a counter-clockwise direction, the shorter the travel allowed (and thus, the lower the temperature output possible). It is suggested to allow approximately 8 splines of movement. However, local codes vary and water supply temperatures vary as well.

Before re-orientating the ring, be sure that the stem is in the full-off position.

7. Re-install hex cap using a wrench. Open both stops and confirm the maximum hot water temperature.



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TRIM INSTALLATION

1. Remove any temporary cover(s) from valve.
2. With valve stem inside threaded tube, screw threaded tube completely onto valve cartridge by hand. Back off 1/2-turn, then mark finished wall on threaded tube.
3. Remove threaded tube, and cut to 1/2" – 7/8" from the finished wall.
4. The inner stem extension should be cut to about 1-7/8" from the finished wall.
If stem extensions are needed, please contact your local Sonoma Forge dealer.
5. Reinstall valve stem and threaded tube. Back off threaded tube 1/2-turn, then tighten locking nut.
5. Install trim plate over tube. (Silicone is necessary to seal)
6. Place 1" stem extension onto cut valve stem.
7. Insert handle onto escutcheon, then thread escutcheon onto stem. (Silicone may be necessary)
There is a lip on the handle that fits in a groove on the escutcheon. Once the handle engages the stem, the handle will stay "clocked" in that valve position.

