

EliteShower Valve

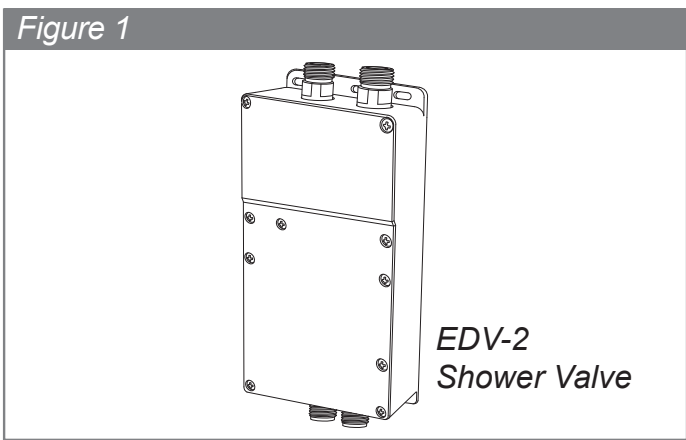
Model: EDV-2

Specifications:

- Pressure, Max inlet: 125 psi, 862 kPa, 8.6 bar
- Max Inlet Temperature: 158°F (70°C), recommended inlet temperature 122°F (50°C)
- Temperature Setting: Max 120°F (49°C), Min 50°F (10°C)
- Max Temperature Limit is adjustable 50-120°F (10-49°C)
- Temperature Stability: +/- 2°F (1°C)
- Minimum Flow: For use with shower heads rated at 1.0 gpm (3.8 lpm) or higher.
- Maximum Free Flow Characteristic Test conditions:
 - Outlet Temperature 100°F (38°C)
 - Cold Water Inlet Temperature 59°F (15°C)
 - Hot Water Inlet Temperature 149°F (65°C)
 - Inlet 45 PSI
- 1 Outlet Free Flow outlet 6.5 GPM
- 2 Outlets Free Flow outlet 8.7 GPM*

*Due to CALGreen limitations only 1 outlet at a time may be used.

- Electrical power: 120V, 15A outlet required
- Shower Valve input voltage: 12 – 15 VDC
- Power consumption:
 - Operating Mode – 1-12 W
 - Shower Valve Off – 50 mW
- IP Protection Rating: IPX5



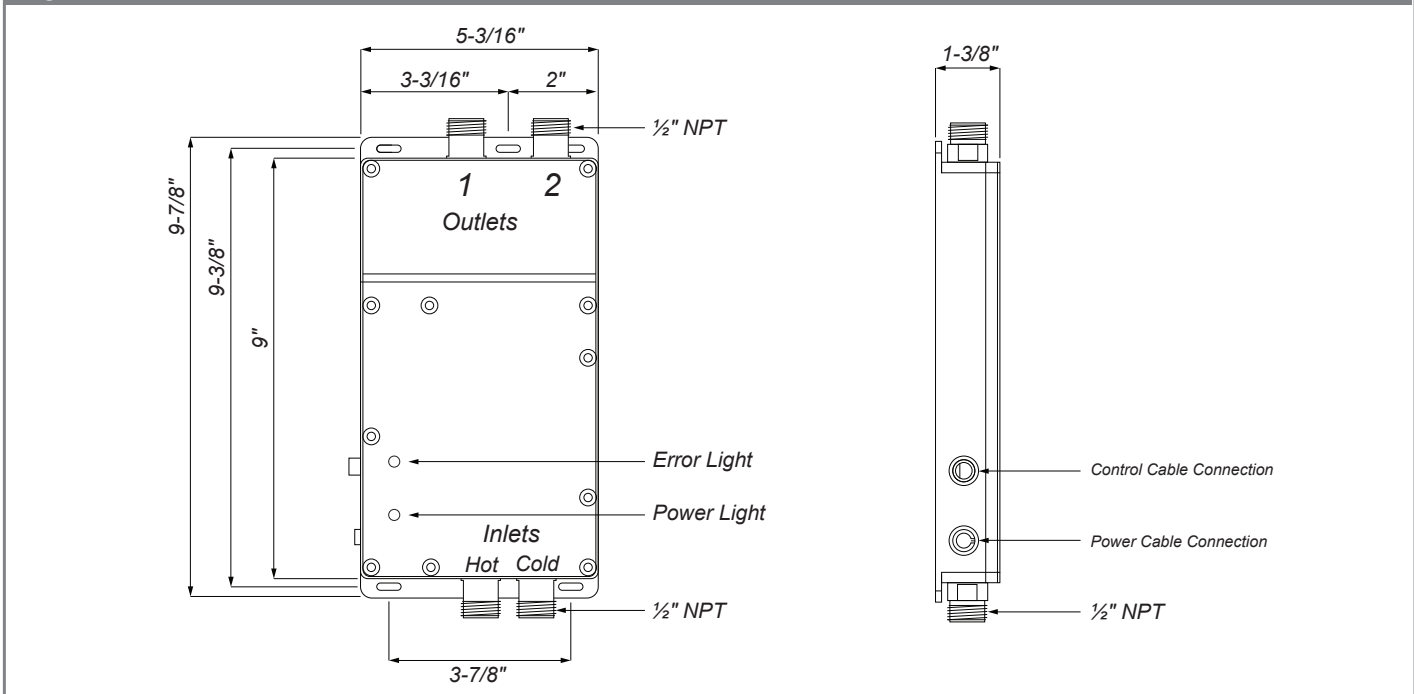
Compliance: Shower Valve is cUL listed, ASSE listed and complies with ASME A112.16 2011/CSA B125.3-11, ASSE 1016-2011, and EN1111

WARNING: Prior to installing the Digital Shower Valve, flush pipes completely eliminating any debris in the lines.

NOTE: For long life it is highly recommended to install high flow filters to the hot and cold inlet or a whole house filter.

IMPORTANT: All plumbing and electrical work MUST conform to the applicable local codes and all work is intended to be performed by licensed contractors.

Figure 2



EliteShower Valve Installation Instructions

Model: EDV-2

Rough-In (Figure 7)

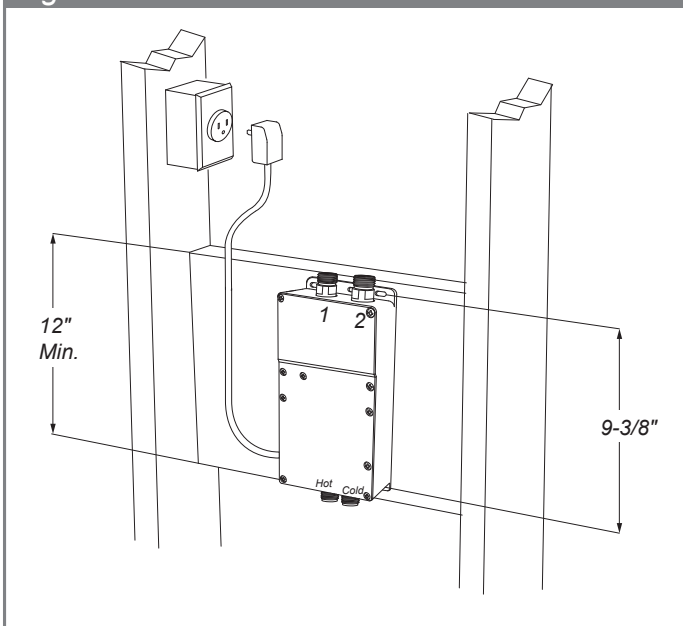
IMPORTANT: Do not install this valve under a whirlpool tub or any area where the ambient temperatures may exceed 104°F (40°C). Also do not install the valve in an area subject to freezing. If the valve is installed in a wall cavity or any type of enclosure an access door **MUST** be provided for service.

WARNING: Do not solder any pipes connected to the inlets or outlets. To do so will damage the valve and void warranty. Sweat all fittings prior to threading them on the inlet and outlet connections.

WARNING: Do not use anything on the pipe threads that may get into the valve. Do not use oil based products or plumbers putty on the threaded connections.

1. Select a mounting location for the digital shower valve. This should be located in close proximity to the outlets in the shower. The location **MUST** be accessible for service and **MUST NOT** be buried inside a wall. The location requires a power outlet to plug the power adapter into. This location **MUST NOT** be subject to freezing or temperatures in excess of 104°F (40°C). The shower valve outlets are configurable to match the installation and do not need to be arranged in any particular order. Note: If mounted between the studs of a wall as shown (Figure 3), a service door **MUST** be used to close the wall and allow for access.
2. Pipe a dedicated ½" min hot and cold water supply to this location.
3. Plumb the shower outlet connections with ½" pipe to this location.

Figure 3



4. Install an electrical outlet near the valve mounting location.
5. Select a location for the EDVC-100 control. This location should be convenient while using the shower. Recommended height is approximately 4-1/2 feet.

Installation

1. After the walls are completed securely fasten Digital Shower Valve in the intended location.
2. Before connecting the hot and cold supply lines, flush out the lines thoroughly to prevent any debris in the lines from getting into the shower valve. The hot and cold connections may be plumbed with copper pipe or other approved water supply lines. For maximum flow ½" minimum ID **MUST** be maintained. When using copper pipe, unions are required to facilitate service and to allow the connection to be screwed to the shower valve after it is sweated together. Never sweat any fittings attached to the valve.

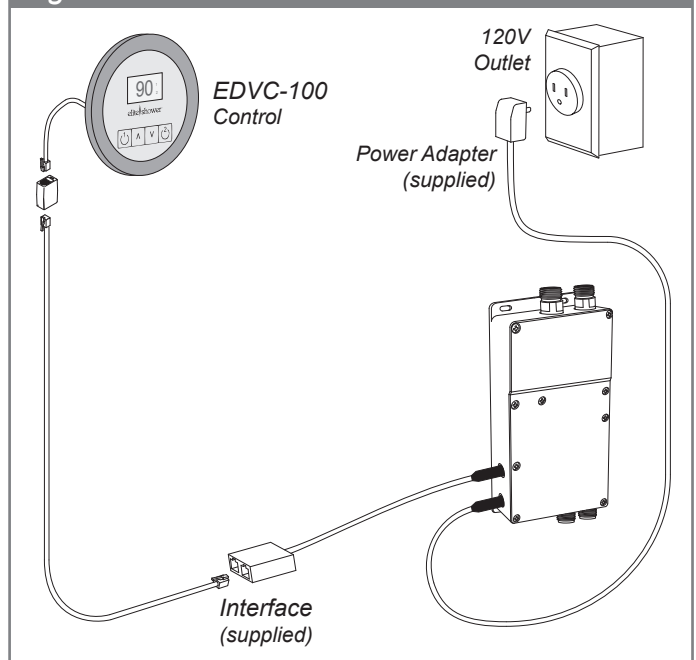
IMPORTANT: Provided strainer must be used on water inlet connections or warranty is void.

3. The outlet connections may be plumbed with copper pipe or other approved water supply lines. For maximum flow ½" minimum ID **MUST** be maintained. When using copper pipe, unions are required to facilitate service and to allow the connection to be screwed to the shower valve after it is sweated together. Never sweat any fittings attached to the valve. ½" FIP swivel type connections may be used to attach the pipe to the shower valve outlets.

WARNING: Any unused outlet **MUST** be capped to prevent damage to the home.

4. If the EDVC-100 control is not already installed, install it according to the instructions provided with the control.
5. Connect the EDVC-100 control to the shower valve as shown (Figure 4).

Figure 4



EliteShower Valve Installation Instructions

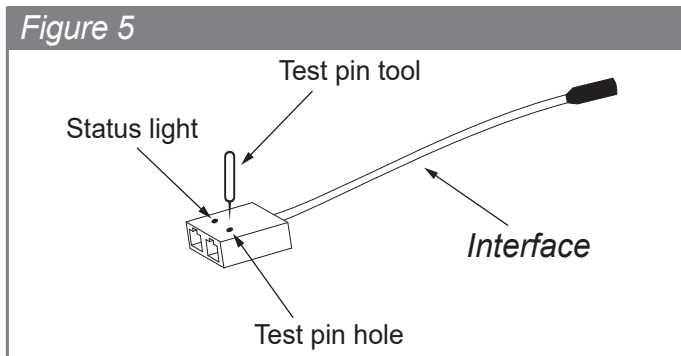
Model: EDV-2

- Once the installation is complete turn the water supply on and look for leaks. If there are no leaks, follow the pressure test procedure below, before connecting the power Interface for the Digital Shower Valve.

Pressure testing the Digital Shower Valve

- Make sure that any unused outlet is capped.
- Connect the Interface (cable/connector) to the valve (Figure 5).
- Do NOT connect the control cable to the Interface.
- Connect 120Volt power to the valve (it is normal to hear a mechanical sound from the valve on power up).
- The Interface will display a blinking light, one second on, one second off, indicating power.
- Pressurize both, Hot and Cold inlet lines to the valve.
- Depress a switch on the Interface by inserting a pin tool (supplied) into a pin hole of the Interface .
- The slow blinking light on the Interface will now blink fast and both outlets will open.
- Outlets will remain open until either the 120V power to the valve is turned off or the User control is plugged into the Interface.
- After the pressure test is complete, plug the power Interface into the Digital Shower Valve as is it now ready to be used.

Note: The User control cancels the ability to perform the above pressure test and must be disconnected to run the above test procedure.



Testing and operation of the EliteShower system (for the Contractor)

NOTE: These instructions are to supplement the operating instructions which come with the EDVC-100 control.

NOTE: The EDVC-100 user control is used to activate a shower cycle.

- Select a shower cycle by pressing Outlet 1 or Outlet 2 on the user control. You should immediately see the set point temperature on screen. See the EDVC-100 instruction Manual for all operations.

- To test the function of the valve and also to check the outlets for leaks, press Outlet 1 on the user control, the set point temperature will be displayed, press the up or down buttons to adjust it. Once the adjustment is done within 3 to 5 seconds the display will switch from set point temp to ambient temp.
- Press Outlet 1 button to end the shower cycle.
- Repeat step 2 for Outlet 2 (if both outlets are used, press Outlet 2 button to end the shower cycle).
- After running water for a minute or two on each Outlet, touch the hot and cold supply lines going to the shower valve and make sure they are not reversed. Check closely for leaks.
- Continue running the water and make sure the desired temperature is reached.
- Calibrating the max temperature limit setting: The Maximum temperature limit is factory set to 120°F (49°C). The Max limit setting can be lowered to any temperature from 50°F to 120°F (10°C to 49°C). To adjust and set the Max set point temperature setting, while there is no display on the user control, the press and hold the Down arrow button for about 10 to 15 seconds until a temperature is displayed. Press the Down or Up arrow button to change the setting, once done, allow about 10 seconds for the display to go off. This will save the new Max Temp setting.

Battery Back-up: If desired, the Digital Shower Valve may be connected to a common uninterruptable power supply (UPS), used for computers and electronics. The Valve uses very little electricity and even a small UPS would last for hours. Stand-by power consumption is about half a watt and with the valve in operation, the average use is just a few watts.

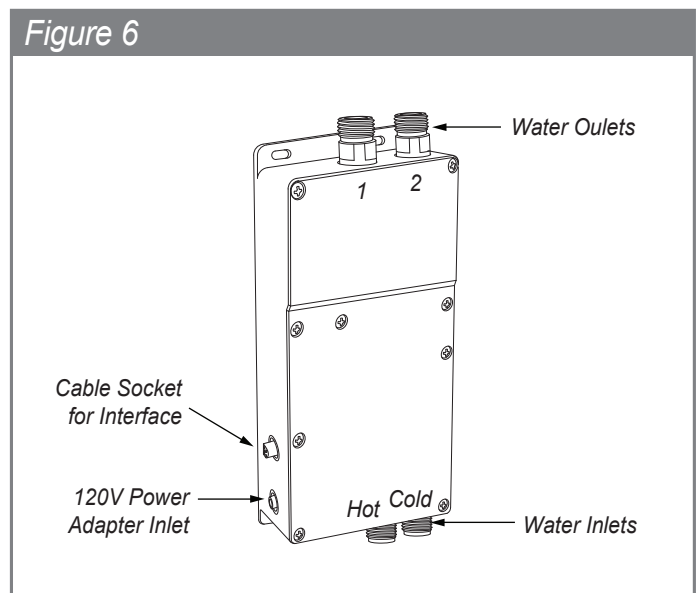
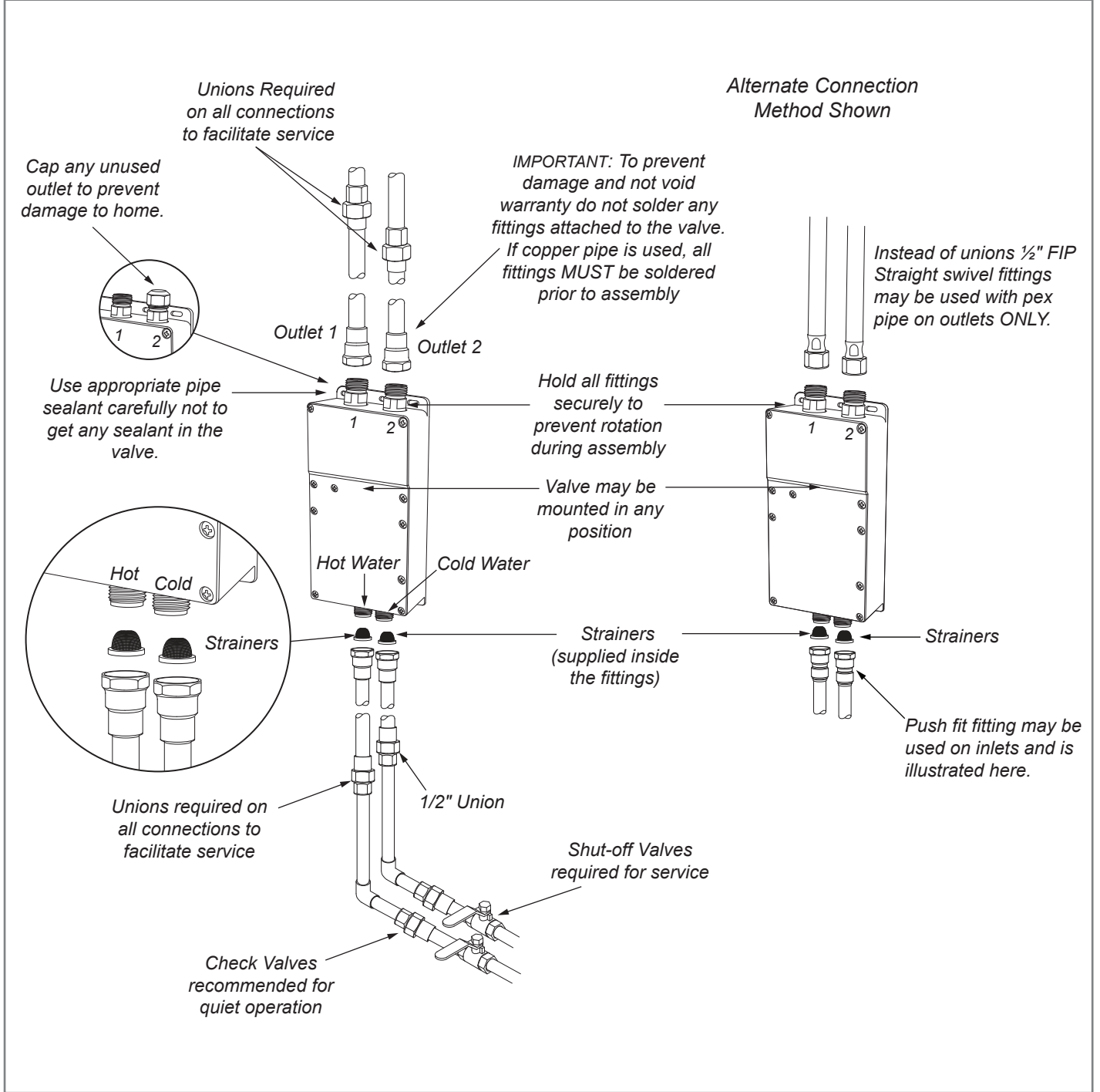


Figure 7

Model: EDV-2



! IMPORTANT: Shower valve **MUST** be accessible for service. Unions are required to facilitate replacement. Shower valve **MUST** be protected from freezing temperatures. Cap any unused outlet.