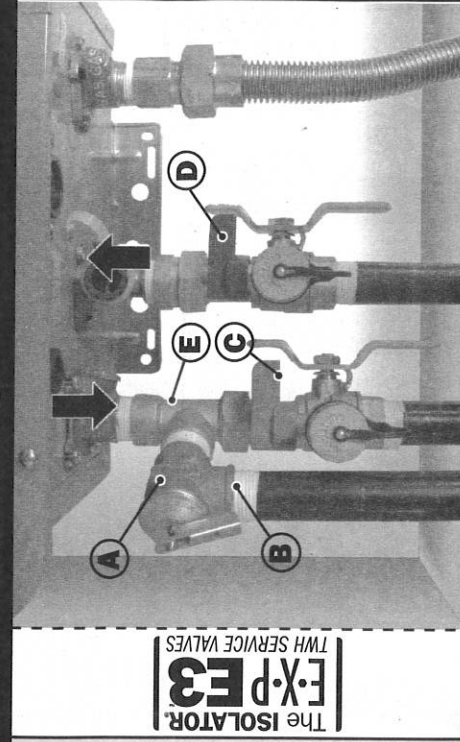
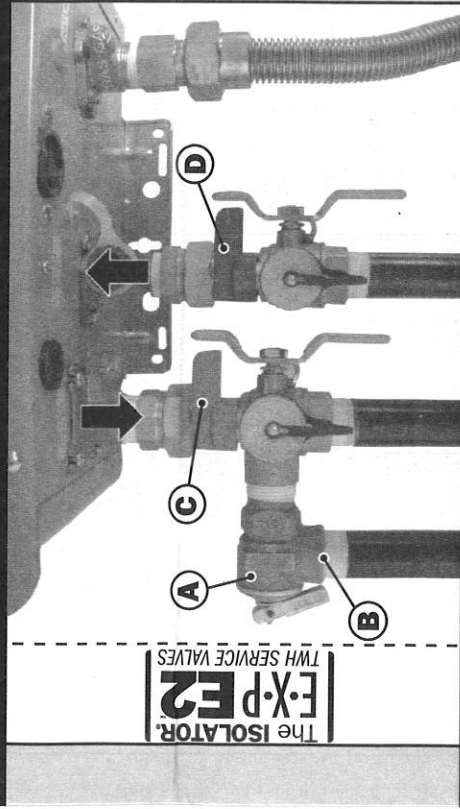


INSTALLATION INSTRUCTIONS



A: PRV B: PRV Discharge Outlet C: Hot Ball Valve Drain Handle D: Cold Ball Valve Drain Handle E: Relocation Fitting

Hot valve is designated by a red drain handle. Cold valve is designated by a blue drain handle.

Thank you for choosing the Isolator® E-X-P™ E2 or E3 Tankless Water Heater Service Valves.

This valve kit was designed with ease of installation and regular maintenance of your tankless water heater in mind. It was not designed for installations exposed to subfreezing conditions; please keep this in mind when choosing a location to install your tankless water heater. Drain valves should remain closed during normal operation. Do not rely on the drain cap to stop the water from draining. When draining, always remove drain caps slowly to insure that no pressure exists. If you have any questions or comments, please contact us at (800) 225-9529 or visit us on the web - www.webstonevalves.com.

Relocation Fitting Installation Instructions (E3 Model ONLY):

1. Wrap the ends of the threaded water inlet & outlet on the tankless water heater, as well as the threaded end of the approved pressure relief valve (enclosed) with a minimum of 5 wraps of PTFE thread tape or another approved thread sealant.
2. Screw the 3/4" female threaded end (opposite the male end) of the relocation fitting onto the HOT water outlet on the tankless water heater.
3. Position the relocation fitting such that there is adequate space to allow for installation of the pressure relief valve into the port on the side of the relocation fitting.
4. Screw the pressure relief valve into the threaded port in the side of the relocation fitting (see Pressure Relief Valve Section for proper installation requirements).
5. Place the black washer into the union end of the HOT water service valve (RED Drain Handle) such that the raised metal edge of the valve is inside the washer.
6. Hand-tighten the union nut to the relocation fitting. Realign the relocation fitting, pressure relief valves & drain portion as needed to maintain a clear discharge line.
7. PROCEED TO STEP 5 IN THE INSTALLATION INSTRUCTIONS IN THE NEXT SECTION.

Installation Instructions:

1. Wrap the ends of the threaded water inlet & outlet on the tankless water heater, as well as the threaded end of the approved pressure relief valve (enclosed) with a minimum of 5 wraps of PTFE thread tape or another approved thread sealant.
2. Screw the pressure relief valve into the 3/4" threads opposite the wing handle on the HOT water service valve. (RED drain handle) (see Pressure Relief Valve Section for proper installation requirements)
3. Loosen the 3/4" union nut on the HOT water valve and connect to the HOT water outlet on the tankless water heater. If nut is removed, ensure that you realign the tailpiece accurately to the valve and that the black washer is positioned such that the raised metal edge of the valve is inside the washer.
4. Align the direction of the HOT water drain to the desired position.
5. Tighten the union assembly to the HOT water valve using approximately 15 foot lbs of torque.
6. Repeat steps 3-5 for the COLD water valve. (BLUE drain handle) for connection to the COLD water inlet on the tankless water heater.
7. Connect the INLET on the COLD water valve to the MAIN SOURCE of the water supply.
8. Connect the OUTLET on the HOT water valve to the HOT WATER plumbing system.
9. Ensure that both drain valve lever handles are in the closed position (perpendicular to the drain portion of the body).

It is recommended that these instructions be stored along with other documents related to your heater's maintenance

High Flow Diagnostic and Testing Procedures:

1. The characteristics of the Isolator EXP E2 or E3 allow for full diagnostic testing and cleansing of your system by one person.
2. Ensure that the drain valve handle on the HOT valve is closed. (Lever perpendicular to drain portion of the body)
Slowly remove the drain cap and retain the rubber washer.
3. Connect a hose to the hot water drain valve and run into a pail, sink, or drain opening and begin testing the system. (flow rate, firing rate and temperature tests can all be performed)
4. Consult your tankless water heater owner's manual for complete information on all diagnostic testing of your particular model.

Cleaning and Flushing Instructions:

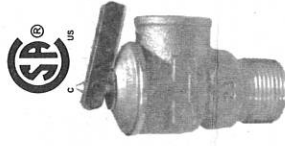
Check with the manufacturer of your tankless water heater for specific guidelines for the unit installed. Pump, hoses, pail & solution (not included).

1. Disconnect power to the tankless water heater and/or shut off the gas valve.
2. Close both the HOT & COLD water valves by turning the main valve wing handles 90 degrees.
(Handles will now be perpendicular to the main valve body).
3. Ensure that both drain valve handles are closed.
(Handles perpendicular to the drain spout)
4. Slowly remove the drain caps. Be sure to retain rubber washer inside of the cap.
5. Connect the pump outlet hose to the COLD water drain outlet of the EXP E2 or E3 valve. (BLUE drain handle)
6. Connect a drain hose to the HOT water drain outlet of the EXP E2 or E3 valve. (RED drain handle)
7. Pour 3 to 5 gallons of flushing/de-scaling solution into a pail (virgin food grade white vinegar or citric acid recommended).
8. Place both the pump inlet hose and the HOT water drain outlet hose into the pail.
9. Open both the HOT & COLD drain valves by turning the handles clockwise 90°.
10. Turn on the pump and allow the solution to circulate for 20 to 45 minutes, depending on the amount of scale in the appliance.
11. Turn off the pump and close the COLD water drain valve.
12. Remove the hose from the COLD water drain valve; replace cap & washer securely onto the drain valve outlet.
13. Remove the pump and hose from the pail; dispose of the cleansing solution safely & properly.
14. Put the HOT water drain hose end back into the empty pail or sink drain and open the main water valve on the COLD EXP E2 or E3.
This procedure will flush out the tankless water heater with fresh cold water; flush with at least 20 gallons. You will have to empty the pail several times.
15. Close the main water valve on the COLD EXP E2 or E3 & clean the in-line filter of your tankless water heater if required by the manufacturer.
16. Close the drain valve on the HOT EXP E2 or E3, remove the drain hose, replace cap & washer securely onto the drain valve outlet.
OR E3 valves. (Handles parallel to the main valve body)
17. Open the main water valves on both the COLD & HOT EXP E2 OR E3 valves. (Perpendicular to the drain portion of the body)
18. Ensure that both the HOT & COLD drain valve handles are CLOSED.
(Perpendicular to the drain portion of the body)
19. Restore power to the tankless water heater and turn on the gas valve.

Pressure Relief Valve (PRV)

Installation Instructions:

The PRV must be connected by the threaded connection opposite the wing handle on the hot water valve (designated by the RED drain handle) or the threaded connection on the side of the relocation fitting above the hot water valve. Installation must maintain a 3/4" port size with no shut off valve or line restriction in-between the appliance and the PRV. The discharge line from the PRV should pitch downward and terminate 6" above drains where discharge will be clearly visible. The discharge end of the line shall be plain (unthreaded) and a minimum of 3/4" in diameter. The discharge line material must be suitable for water at least 180° Fahrenheit. The discharge line shall be as short and straight as possible such that the arrangement does not reduce the relieving capacity of the pressure relief valve. No valve of any type may be installed in the discharge line of the pressure relief valve.



PRV Maintenance Instructions:

For proper care of this approved pressure relief valve, it is recommended that the valve is manually operated once a year. In doing so, it will be necessary to take precautions with regard to the discharge of potentially scalding hot water under pressure. Ensure discharge has a place to flow. Contact with your body or other property may cause damage or harm.

Please note that only the PRV in this package is certified by CSA International as an approved item.

Webstone®
a brand of **NIBCO®**

The Isolator® is a registered trademark of NIBCO INC.
FORM: E2EN-0417 ©2017 NIBCO INC., All Rights Reserved.