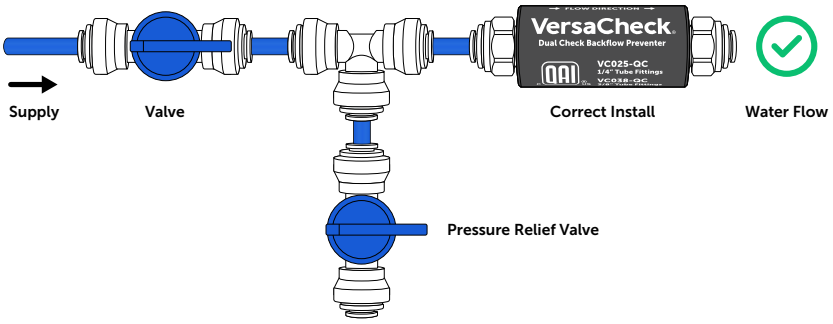
VersaCheck®

Testing Procedures

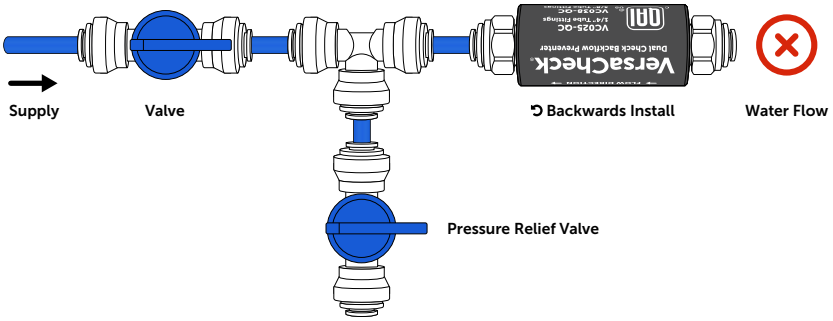
VersaCheck dual check backflow preventers are testable by two different methods. Some local code authorities or inspectors may require testing prior to installation and/or periodically.

Test Method 1 (Applies to all VersaCheck models)

1. Connect the water supply tubing to the inlet of the VersaCheck and turn on the water to make certain it flows correctly through the unit.



2. Now flip the VersaCheck and connect the water supply tubing to the outlet of the VersaCheck. In other words, intentionally install it backwards. Turn on the water to make certain the dual checks stop the flow of water. If no water passes through, that means the internal check valves are functioning properly.



Test Method 2 (Applies to any VersaCheck models with quick-connect fittings installed)

1. Start with the VersaCheck in the normal pressurized service position. This means that the source water is flowing and the outlet downstream of the VersaCheck is closed.

2. Shut off the inlet water supply and relieve the pressure on the inlet side of the VersaCheck. Examine the ends of the VersaCheck. It is designed with collets on each end that move away from the white fitting body when the fitting is under pressure. When there is no pressure in the fitting, the collets can be easily pushed against the fitting body. Please see the diagrams below that show the position of collets under various pressure conditions.

3. Attempt to push the collet on the outlet side of the VersaCheck (position B) back against the fitting body. If there is strong resistance or the collet cannot be moved, this indicates that the check valve is working properly since pressure from the line running to the service point is still present. If the collet can be pushed back against the fitting body at position B, that check valve is not working properly and should be examined for damage or an obstruction immediately then repaired or replaced.

No pressure on inlet or outlet
Collets can be easily pushed against fitting body

Pressurized inlet and outlet
Collets can not be easily pushed against fitting body

Pressurized outlet, depressurized inlet
Separation of collet and fitting at 3B means check valve is working

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