

VersaCheck® QC

Dual Check Backflow Preventers for Low-Flow Applications



The VersaCheck® QC Dual Check Backflow Preventer, developed in 2004 for dental and medical water treatment, exceeds FDA medical device standards and is safe for potable water and food contact applications. QAI-listed, it meets most state and local plumbing codes for backflow and cross-connection protection in continuous pressure applications, such as sinks or sprayer-equipped fixtures that may contact non-potable liquids.

VersaCheck features two independently acting, normally closed check valve cartridges. These function under continuous or intermittent pressure in any flow direction, thanks to spring-loaded plunger assemblies. Each cartridge undergoes 100% factory testing for drip-tight operation.

With low head loss and cracking pressure, VersaCheck is compatible with municipal, filtered well, and high-purity water (RO, deionized, distilled). Its materials resist chemicals like chlorine, chlorine dioxide, and chloramines. Designed for up to $\frac{3}{8}$ " pipe size and 2.0 gpm flow, it includes $\frac{1}{4}$ " or $\frac{3}{8}$ " push-to-connect fittings for easy installation in plumbing, water treatment, or medical applications.

NOTE: The installed push-to-connect fittings may not be removed and are designed to be used with $\frac{1}{4}$ " or $\frac{3}{8}$ " O.D. plastic, copper, and brass tubing only.

✓ Standards Certification & Compliance

- ASME A112.18.1 / CSA B125.1
- ASME A112.18.3
- NSF 61
- NSF 372
- 100% Lead-Free
- Meets California Health & Safety Code 116875

Warranty

Vista Water Group, LLC (VWG) warrants VersaCheck Dual Check Backflow Preventers to be free of defects in materials and workmanship when properly installed for one (1) year from the date of installation. Covered product must be returned freight prepaid and, if found defective, will be repaired or replaced free of charge at VWG's sole discretion. VWG's liability shall be limited to the agreement to repair or replace the covered product.



VISTA WATER GROUP

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Specifications	
Diameter	1.00"
Length (VC025-QC)	3.50"
Length (VC038-QC)	4.125"
Weight	1.3 oz / 1.5 oz
Max Operating Temp	140° F
Max Operating Pressure	150 psi @ 70° F
Max Flow Rate @ 10 psi Drop	2.0 gpm (7.57 Lpm)

Installation Procedure

1. Cut the tube squarely and, if using plastic tubing, ensure that the cut has not made the tube out of round. Also ensure that the tube has a smooth outside diameter without any burrs or score marks prior to inserting it into the fitting.
2. Insert the tube into the fitting by pushing it through the collet and o-ring until it bottoms out against the tube stop (plunge depth of approximately $1\frac{1}{16}$ "). The collet holds the tube in place and the o-ring provides a leak-resistant seal.
3. Test and inspect the connection by pushing and pulling the tubing toward and away from the fitting to ensure that it has been installed properly and does not leak.

To remove the tubing from the fitting, relieve any water pressure from the tubing and fitting. Push the collet flange against the fitting body while pulling the tubing away from the fitting to release it.

NOTE: Make certain the VersaCheck is installed in the correct orientation for flow direction. Otherwise, it will block all flow.

In certain applications, VersaChecks may also be used on clean compressed air lines. However, it is recommended to use them with oil-less compressors only. Hydrocarbons from oil-type compressors could damage thermoplastic parts.

Adapter Fittings

IMPORTANT WARNING: Do not remove the push-in fittings from the body of a VersaCheck. Doing so will void the warranty and void the QAI certification. Always adapt to the 1/4" and 3/8" push-in fittings with appropriate fittings as needed.

Testing Procedures

QAI-listed VersaChecks can be tested both prior to and after installation in several ways. For detailed instructions, visit VistaWaterGroup.com/testing.