

# VistaCheck®

## Dual Check Backflow Preventers



The VistaCheck® dual check backflow preventer was originally developed in 2004 to be used in conjunction with dental/medical water treatment devices. Its design and materials of construction exceed FDA medical device requirements and are suitable for food contact. VistaCheck is QAI-listed and generally accepted by state and local plumbing code authorities as being suitable backflow and cross connection protection for use with in-line continuous pressure applications including sinks or other applications where a sprayer or hose-type device could be submerged in a non-potable liquid.

VistaCheck has two (2) independently acting, normally closed check valve cartridges. They work under continuous and intermittent pressure conditions and may be oriented in any flow direction due to the use of spring-loaded plunger assemblies. Each check cartridge is 100% factory tested for drip-tight operation.

VistaCheck offers low head loss, low cracking pressure and can be used with virtually any type of clear water including municipal and properly filtered well water as well as high purity water like reverse osmosis, deionized and distilled. All materials of construction are resistant to attack by chemicals like chlorine, chlorine dioxide and chloramines. VistaCheck is perfect for applications having up to 3/8" nominal pipe size supplies and provides up to 2.0 gallons per minute. They are ready to install in plumbing, water treatment or medical device applications and come standard with your choice of 1/4" or 3/8" push-to-connect fittings.

**NOTE:** The push-to-connect fittings included with VistaCheck are designed to be used with 1/4" or 3/8" O.D. plastic, copper, and brass tubing only.

### Typical Uses Include:

- Cold water faucet supply lines
- Hot water faucet supply lines
- Pull-out sprayer hoses
- Reverse osmosis systems
- Deionization systems
- Distillation systems
- Dialysis systems

### Standards Certification & Compliance

- ASME A112.18.1 / CSA B125.1
- ASME A112.18.3
- Meets California Health & Safety Code 116875
- Meets NSF 14
- Meets NSF 61 / 372
- 100% Lead-Free

### Continuous-Pressure Applications:

- Residential
- Commercial
- Industrial
- Medical / Dental
- Food Service
- Hair Salons & Spas
- Specialty Applications

### Warranty

Vista Water Group, LLC (VWG) warrants VistaCheck 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.

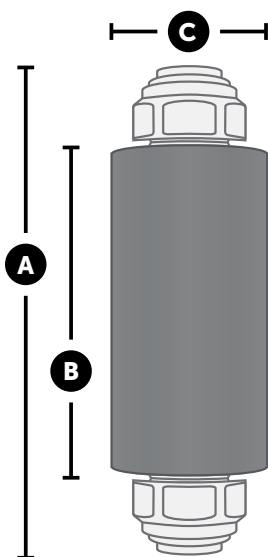


## VISTA WATER GROUP

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Model	Fitting	Dimensions			Weight
		A	B	C	
	in	in	in	in	oz
VC250-A	1/4	3.5	2	1	1.5
VC250-B	3/8	4.125	2	1	2.0

Specifications	
Max Operating Temp	140° F
Max Operating Pressure	150 psi @ 70° F 70 psi @ 140° F
Max Flow Rate	2.0 gpm (7.57 Lpm)
Medium	Clean Water
Spring Cracking Pressure	~ 0.40 psi (0.027 bar)

## 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. 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 uniformly around the collet flange against the fitting body while pulling the tubing away from the fitting to release it.

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

In certain applications, VistaChecks 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 VistaCheck. 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 VistaChecks can be tested both prior to and after installation in several ways. For detailed instructions, visit [VistaWaterGroup.com/testing](http://VistaWaterGroup.com/testing).