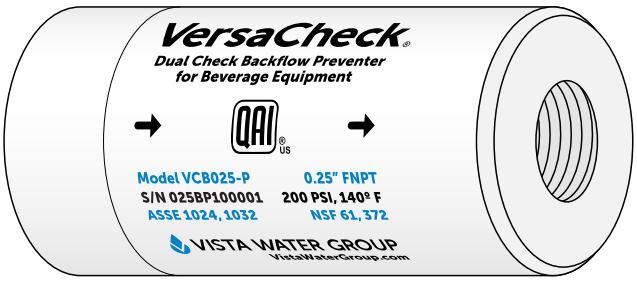
VersaCheck®

Dual Check Backflow Preventers

PATENTS PENDING

For Beverage-Dispensing Equipment
INCLUDING POST-MIX SYSTEMS

Lead-Free



Specifications	
Max Operating Temperature	140º F
Max Operating Pressure	200 psi
Medium	Water
Spring Cracking Pressure	> 1.35 psi
Horizontal or Vertical Orientation	Yes
Continuous or Intermittent psi	Yes

PVC Schedule 80 Models

Model	FNPT Size	Max Flow Rate *
VCB025-P	1/4"	4.3 Gpm
VCB038-P	3/8"	8.1 Gpm

* Maximum flow rate at 10 psi pressure drop

Hardcoat Anodized 6061 Aluminum Models

Model	FNPT Size	Max Flow Rate *
VCB025-A	1/4"	4.3 Gpm
VCB038-A	3/8"	8.1 Gpm

* Maximum flow rate at 10 psi pressure drop

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 to the address below 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.

Standards Certification & Compliance

✓ **QAI-Listed Product**

- ASSE 1024
- ASSE 1032
- NSF 61
- NSF 372
- Meets California Health & Safety Code 116875

VersaCheck® Dual Check Backflow Preventers for beverage-dispensing equipment provide cost-effective backflow protection of the public water supply from carbon dioxide gas and carbonated water. These substances can flow backwards from post-mix beverage systems and, if they contact copper tubing, can cause leaching of copper salts into the main water supply and a potential health risks if ingested. VersaCheck prevents the reverse flow of this potentially contaminated water into the potable water supply. All models provide backsiphonage and backpressure protection when installed according to directions and in accordance with local plumbing requirements.

Threaded Ports

All high-flow VersaCheck backflow preventers feature female NPT inlet and outlet ports for maximum flexibility and inventory control. Hundreds of fittings can be used to suit various installation requirements. See detailed instructions on the reverse side of this page for proper installation of MNPT fittings.

Notices to Installer / Owner

- Always follow local plumbing/building codes
- Read all instructions prior to installing
- Keep these instructions for future reference
- Protect from freezing temperatures
- Install in an accessible location for servicing
- Flush debris from piping prior to installation
- Never solder on or near check valve assemblies
- Never overtighten fittings into valve ports

See reverse side for installation details and drawings

M2503/230809

© 2023 Vista Water Group®, LLC. All rights reserved.

Installation Procedure

Specific installation steps will vary based on application or use. See the following typical installation diagrams for more details.

Please note: because connection requirements vary widely, the Male NPT fittings necessary for proper installation are not included with the VersaCheck body. Simply select the appropriate, commonly available Male NPT fittings appropriate for the installation.

Installer Notes

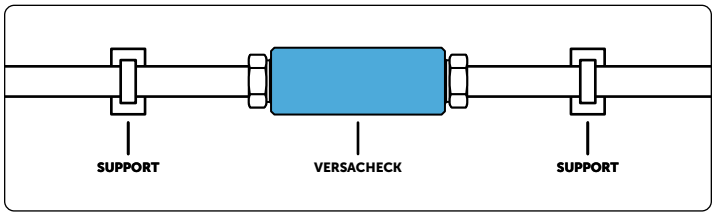
- Make certain to install VersaCheck in an area accessible for inspection and preventive maintenance, never in a concealed location.
- Copper tubing **can** be used on the downstream side of a **non-carbonated system**. Copper tubing should **not** be installed on the downstream side of a **carbonated system**.
- If the source water is known to contain debris, it is recommended to install a screened line strainer ahead of the VersaCheck to prevent plugging of the internal check valves. If a strainer is installed, it will need to be cleaned periodically to prevent flow restriction and/or pressure drop.

Proper Installation of Male NPT Fittings

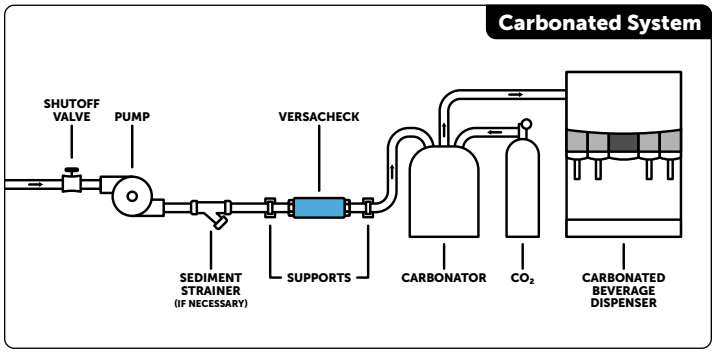
Tapered threads are "free running" until the male and female thread paths fully wedge to form a seal. Turning past "free running" will increase stress, especially on the female fitting. **Never over-tighten fittings.** The proper way to assemble an NPT joint (especially for PVC fittings) is to use a compatible thread sealant paste or tape then never tighten more than one or two full turns beyond "finger tight."

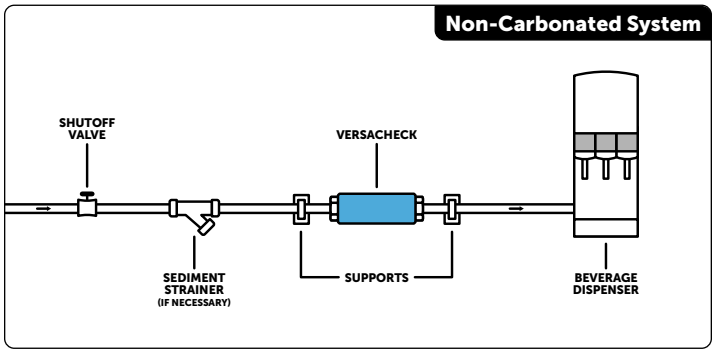
Proper Supports

Never install a VersaCheck without proper pipe supports on both the inlet and outlet sides. Suspending the VersaCheck in a long pipe run without proper supports could create unwanted side loading that could damage the VersaCheck, pipe or fittings.



Typical Installations

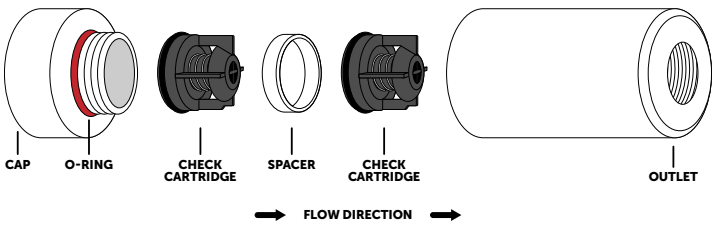




Cleaning or Replacing Internal Checking Components

To clean debris from backflow preventer, inspect or replace internal components:

1. Turn off water supply and depressurize system.
2. Remove VersaCheck body from the installation by unthreading MNPT connection fittings.
3. Unthread the inlet cap from the body by hand or plier.
4. Using a blunt tool, carefully push the check valves and spacer out of the body from the outlet end.
5. Rinse check valves and do NOT use solvents to clean.
6. Re-install cleaned/new checks and spacer using a blunt tool into the inlet. Push only on the perimeter of the check cartridges. NEVER push directly on the plunger of the check valve cartridge.
7. Re-install the inlet cap by threading by hand and snug gently. Do not overtighten.
8. Re-install Male NPT connection fittings and reconnect to water line(s) following installation instructions above.



VISTA WATER GROUP
♦ VistaWaterGroup.com ♦ (480) 462-2707
♦ 1244 County Road 1475, Ashland, OH 44805

M2503/230809
© 2023 Vista Water Group®, LLC. All rights reserved.