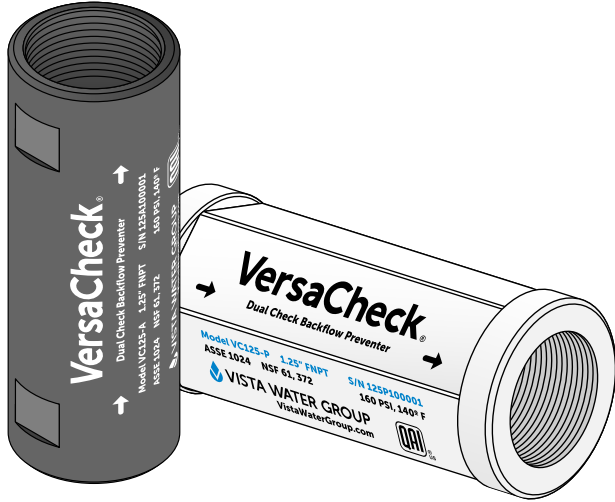


# VersaCheck®

PATENTS PENDING

## Dual Check Backflow Preventers



### Standards Certification & Compliance

✓ **QAI-Listed Product**

- ASSE 1024
- ASME A112.18.1 / CSA B125.1
- ASME A112.18.3
- NSF 61
- NSF 372
- Meets California Health & Safety Code 116875



PVC Schedule 80 Models		
Model Number	FNPT Size	Max Flow Rate *
VC050-P	1/2"	10.5 Gpm
VC075-P	3/4"	18.8 Gpm
VC100-P	1"	34.9 Gpm
VC125-P	1-1/4"	54.7 Gpm
VC150-P	1-1/2"	72.5 Gpm

\* Maximum flow rate at 10 psi pressure drop

Hardcoat Anodized 6061 Aluminum Models		
Model Number	FNPT Size	Max Flow Rate *
VC050-A	1/2"	10.5 Gpm
VC075-A	3/4"	18.8 Gpm
VC100-A	1"	34.9 Gpm
VC125-A	1-1/4"	54.7 Gpm
VC150-A	1-1/2"	72.5 Gpm

\* Maximum flow rate at 10 psi pressure drop

Specifications	
Max Operating Temperature	140° F
Max Operating Pressure	160 psi
Medium	Water
Spring Cracking Pressure	> 1.2 psi
Horizontal or Vertical Orientation	Yes
Continuous or Intermittent psi	Yes

### 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 male NPT fittings into both PVC and Aluminum models.

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

### 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.

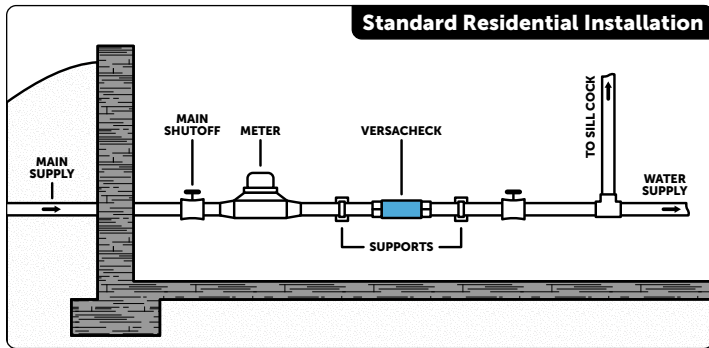
## Installation Procedure

Specific installation steps will vary based on the application or use of VersaCheck Dual Check Backflow Preventers since they can be used for the following and more:

- Potable Water Mains
- Cold Supply Lines
- Hot Supply Lines
- Pull-Out Sprayer Lines
- R/O & D/I Systems
- Dialysis Systems
- Residential Fire Sprinklers
- Residential Applications
- Commercial Applications
- Industrial Applications
- Healthcare Applications
- Food Service Applications
- Hair Salons & Spas
- Specialty Applications

See the following typical installation diagrams for more details.

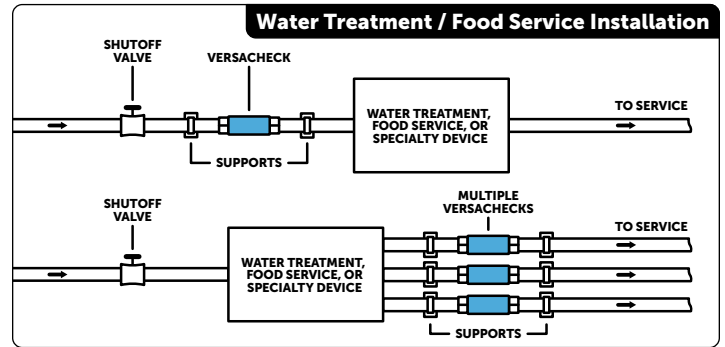
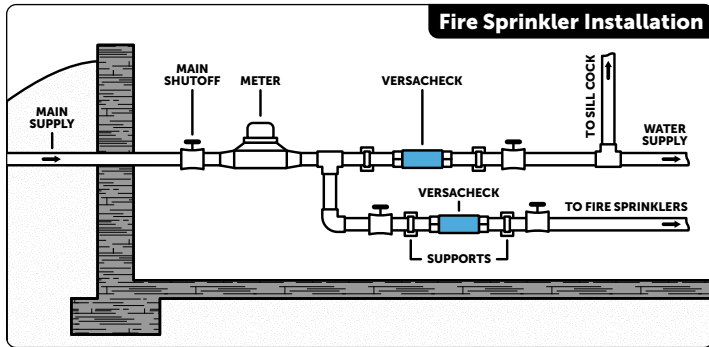
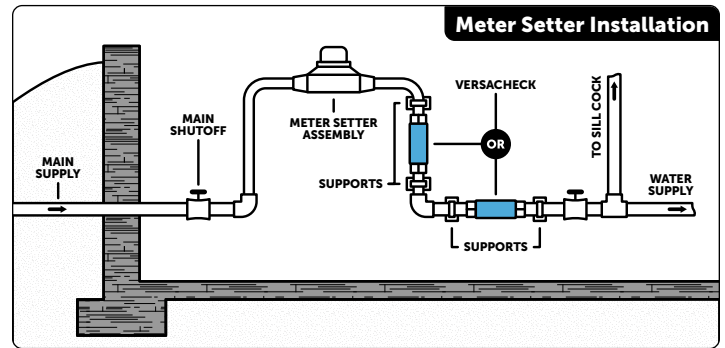
## Typical Installations



## 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.”

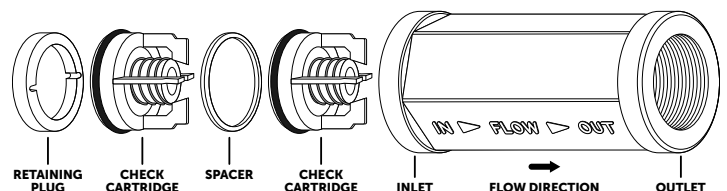
**Please note:** because connection requirements vary widely, the Male NPT fittings necessary for proper installation are not included with the VersaCheck body. Simply select the appropriate, commonly available Male NPT fittings appropriate for the installation.



## 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 retaining plug from the inlet with pliers.
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 retaining plug by threading with finger or a tool and snug gently. Do not overtighten.
8. Re-install Male NPT connection fittings and reconnect to water line(s) following installation instructions above.



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