

FLUOR-O-FLO®

Virgin PTFE Check Valve



Micromold's check valves, also called non-return valves, provide a simple but flexible solution to flow-control where the superior properties of virgin PTFE are needed to handle corrosive or high-purity environments. This smooth, one-way valve is an effective and easy solution to preventing upstream contamination caused by backflow in the system.

Check valves work fairly simply. When the pressure of the fluid upstream of the valve rises above the cracking-pressure level of the valve, the valve is opened. When the pressure falls below the cracking-level, the valve closes, preventing fluid from flowing downstream. Any downstream flow-reversal increases pressure on the seal, ensuring no fluids flow upstream.

- Our check valves are currently available in sizes 1/2" and 1". Contact factory for custom sizes from 1/8" and up.
- Standard connections are Flanged. Custom connections include:
 - Female NPT
 - Male NPT
 - Tri-Clamp
 - Hose Barb
- Connections can be mixed e.g. Flanged on one end and Tri-Clamp on the other end.
- Standard cracking pressures are 2-6 PSI. Contact factory for custom cracking pressures.

The benefits of Micromold's check valves include:

- All parts of the compact design are made from solid virgin PTFE with the exception of the PTFE-coated steel spring.
- Only two moving parts - a solid virgin PTFE poppet and a PTFE-coated steel spring.
- The robust design of the poppet ensures excellent sealing characteristics and durability.
- The simplicity of the design enables easy assembly and disassembly for cleaning and reduced risk of clogging.
- The poppet and the spring are easy to handle and easy to replace.
- A directional arrow marks the direction of fluid flow for easy installation and maintenance.
- Sealing surfaces are micro-polished to ensure a leak-proof joint.
- Valves are individually tested in accordance with MSS-SP-82-1992-BW.

These valves are designed to complement Micromold's FLUOR-O-FLO® PTFE NPT piping system.

Replacement poppet and springs available.

Also available:
FLUOR-O-FLO® PTFE Check Valve

- Product Specifications