THE SPECIALTY MFG. CO.

5858 Centerville Road
St. Paul, MN 55127
www.specialtymfg.com

427 Series Check Valve

Configure your exact valve

SCAN ME

Design Considerations

The 427 Series Check Valve design promotes multiple configurations to fit the exact end use application. The 427 Series Check Valve incorporates a plastic poppet that seals on a quad ring. The 427 Check poppet option works best in applications that see consistent working pressure at the high end of the Maximum Operating Pressure range. Gray PVC with 1 psi stainless spring is the standard configuration. Nylon, PVDF (Kynar®) and Glass Filled Polypropylene are available for chemical resistance applications. MakroBland is an NSF Standard 51 Approved Material. Hastelloy is a superior chemically resistant spring material.

Specifications:

Material Option	Gray PVC (Standard), White PVC, Black Polypropylene, White Polypropylene, Black Nylon, White Nylon, MakroBlend, Black PVDF (Kynar®)
Seal Option	Buna-N, Ethylene Propylene, Fluorelastomer (Viton®)
End Options	1/8, 1/4 Male and Female NPT 1/4, 3/8 SMC Push-To-Connect 1/8, 1/4, 5/16, 3/8, 1/2 Hose Barb 3/8 BIB (Smooth Barb) 1/8, 1/4 JACO
Cracking Pressure	302 Stainless – 1/3 psi, 1 psi (Standard), 1.5, 3, 5, 7, 10, 12 psi or No Spring, Hastelloy Spring - 1/3, 1, 3, 5, 12 psi
Maximum Operating Pressure	125 psi
Maximum Operating Temperature	140°F
Seat Area Open Diameter	.250

Example of how to order:

Body Material	Inlet End	Outlet End	Seal	Spring
PVC	1/4 MNPT	1/4 FNPT	Buna-N	3 psi

The flow arrow on the body will point from Inlet to Outlet. Part Numbers are a description of the valve as read left to right, Inlet to Outlet.

Example: PVC 427-4M4F-B, #3 = 1/4 MNPT x 1/4 FNPT Outlet