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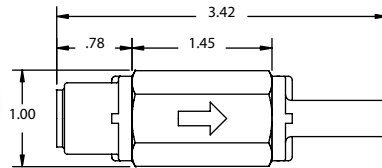
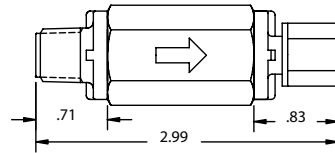
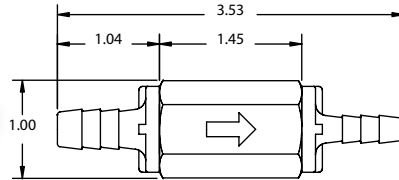
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# 427 SERIES CHECK VALVE



### Design Considerations

The 427 Series Check Valve design promotes multiple configurations to fit the exact end use application. The 427 Series Check 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. MakroBlend is an NSF Standard 51 Approved Material. Hastelloy is a superior chemically resistant spring material.

**Maximum Operating Pressure** — 125 psi  
**Maximum Operating Temperature** — 140°F  
**Seat Area Open Diameter** — .250

### Options

<b>Material Options</b>	Gray PVC (Standard), White PVC, Black Polypropylene, White Polypropylene, Black Nylon, White Nylon, MakroBlend, Black PVDF (Kynar®)
<b>Seal Options</b>	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®)
<b>End Options</b>	1/8, 1/4 Male and Female NPT 1/8, 1/4, 5/16, 3/8, 1/2 Hose Barb 1/8, 1/4 JACO 1/4, 3/8 SMC Push-To-Connect 3/8 BIB (Smooth Barb)
<b>Cracking Pressure</b>	302 Stainless Spring - 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

### Example of How To Order

<b>Body Material</b> PVC	<b>Inlet End</b> 1/4 MNPT	<b>Outlet End</b> 1/4 FNPT	<b>Seal</b> Buna-N	<b>Spring</b> 3 psi
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**SMC Part Number:** PVC 427-4M4F-B,3#

The flow arrow on the body will point from Inlet to Outlet. SMC 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 Inlet x 1/4 FNPT Outlet

SMC will quote alternate materials or customize our standard products when quantities ensure competitive pricing.