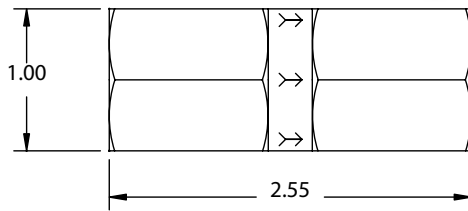


815 SERIES CHECK VALVE



Design Considerations

The 815 Series Piston Check Valve incorporates a piston with an embedded o-ring that seals on the seat. Pressure in the flow direction moves the piston and seal off the seat and exposes the cross holes in the piston. The 815 Series Check Valve maximum operating pressure of 500 psi covers a wide range of air and fluid applications. The 815 Check is a compact design and has a positive seal at very low back pressure or slight vacuum.

UL / UR configurations are available and rated to 500 psi.

Maximum Operating Pressure — 500 psi
Maximum Operating Temperature — 180°F
Seat Area Open Diameter — .437

Options

Material Options	Brass Body and Piston, Beryllium Copper Retainer Body and Piston - 303 Stainless, Retainer 15-7 Stainless
Seal Options	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene
End Options	1/2 FNPT Inlet x 1/2 FNPT Outlet
Cracking Pressure	302 Stainless Spring - 1/3 psi, 1 psi (Standard), No Spring
Plating Options	No Plating (Standard), Electroless Nickel

Example of How To Order

Body Material Brass	Inlet End 1/2 FNPT	Outlet End 1/2 FNPT	Seal Viton®	Spring 1/3 psi	Plating None
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SMC Part Number: CHK BRS 815-8F8F-F,1/3#

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: CHK BRS 815-8F8F-F,1/3# = 1/2 FNPT Inlet x 1/2 FNPT Outlet

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