

THE SPECIALTY MFG. CO.

Custom Is Our Specialty

5858 Centerville Road
St. Paul, MN 55127

ISO 9001:2015
MADE IN THE USA

The Specialty Mfg. Co. will quote alternate materials or customize our standard products when quantities ensure competitive pricing.
Contact Customer Service at (651) 653-0599
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810 SERIES STAINLESS PISTON CHECK VALVE 1/2" NPT



Design Considerations

- The 810 Series Stainless 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.
- Maximum Operating Pressure of 500 psi covers a wide range of air and fluid applications.
- Positive seal at very low back pressure or slight vacuum.

Example of how to order

Material	Inlet Port	Outlet Port	Seal	Spring
316 Stainless Steel	1/2 MNPT	1/2 MNPT	Buna	1/3 psi

Part Numbers are a description of the valve as read left to right, Inlet to Outlet.

CHK SST 810-8M8M-B,1/3# = 316 Stainless Check Valve, 1/2 Male NPT Inlet x 1/2 Male NPT Outlet, Buna Seal, 1/3 psi Spring

Specifications

Material	BODY and PISTON - 316 Stainless RETAINER - 15-7 Stainless
Body Option	1/2 Male NPT Inlet x 1/2 Male NPT Outlet 1/2 Female NPT Inlet x 1/2 Male NPT Outlet
Seal Option	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Viton® Extreme, Neoprene *** Please ask us about Seal Materials not listed above. ***
Spring Option: Cracking Pressure and Material	1 psi - 302 Stainless 1/3 psi - 302 Stainless 1/2 psi - 302 Stainless 2 psi - 302 Stainless 5 psi - 302 Stainless 12 psi - 302 Stainless No Spring
Maximum Flow Diameter	0.375 in
Cv	2.4 with 1/2 Male NPT Ends
Maximum Operating Pressure	500 psi
Maximum Operating Temperature	Buna-N -10°F to 250°F Ethylene Propylene (EPDM) -50°F to 300°F Fluoroelastomer (Viton®) -10°F to 375°F Neoprene -40°F to 250°F Viton® Extreme 15°F to 392°F *** NOT RATED FOR STEAM ***
Compatibility Statement	It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.
Pricing and Minimum Order Requirement	Our Minimum Order Requirements are \$150.00 Domestic - \$250.00 International. Pricing is based on the quantity ordered. Please indicate a typical order quantity or Estimated Annual Usage when requesting pricing.