

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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815 SERIES STAINLESS PISTON CHECK VALVE 1/2" NPT



Design Considerations

- The 815 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
303 Stainless Steel	1/2 FNPT	1/2 FNPT	Buna	1/3 psi

Part Numbers are a description of the valve as read left to right, Inlet to Outlet.
CHK SST 815-8F8F-B,1/3# = 316 Stainless Check Valve, 1/2 Female NPT Inlet x 1/2 Female NPT Outlet, Buna Seals, 1/3 psi Spring

Specifications

Material	BODY - 303 Stainless PISTON - 316 Stainless RETAINER - 15-7 Stainless
Body Option	1/2 Female NPT Inlet x 1/2 Female NPT Outlet
Seal Option	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), 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 20 psi - 302 Stainless No Spring
Maximum Flow Diameter	0.375 in in
Cv	3.1 with 1/2 Female NPT Ends
Maximum Operating Pressure	500 psi
Maximum Operating Temperature	*** NOT RATED FOR STEAM *** 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
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.
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.