

# THE SPECIALTY MFG. CO.

5858 Centerville Road  
St. Paul, MN 55127

Custom Is Our Specialty

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  
**FAX** - (651) 653-0989  
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## 815 SERIES PISTON CHECK VALVE

[Click here to design your valve in 3D using our online configurator.](#)



### Design Considerations

- Incorporates piston with an embedded o-ring that seals on the seat
- Pressure in flow direction moves piston and seal off seat, exposing cross holes in the piston
- Positive seal at very low back pressure or slight vacuum

### Order Example:

Material	Inlet Port	Outlet Port	Seal	Spring
303 Stainless	1/2 FNPT	1/2 FNPT	Buna	1/3 psi

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

**CHK SST 815-8F8F-B, 1/3#** = 316 Stainless Steel Check Valve, 1/2 Female NPT Inlet x 1/2 Female NPT Outlet, Buna Seals, 1/3 psi Spring

<b>Material Option</b>	BODY – 303 Stainless, Brass PISTON – 316 Stainless, Brass RETAINER – 15-7 Stainless
<b>Plating Option</b>	No Plating, Electroless Nickel Plating
<b>Body Option</b>	1/2 Female NPT Inlet x 1/2 Female NPT Outlet
<b>Seal Option</b>	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene, Aflas®
<b>Spring Option: Material – Cracking Pressure</b>	<b>*Stainless Steel Body*</b> 302 Stainless – .33 psi, 1 psi, 20 psi <b>*Brass Body*</b> 302 Stainless – .33 psi, .5 psi, 1 psi, 2 psi, 3 psi, 5 psi, 12 psi No spring
<b>Cv Value</b>	3.1
<b>Full Port</b>	.437 in
<b>Maximum Operating Pressure</b>	500 psi
<b>Temperature Range</b>	<b>*** NOT RATED FOR STEAM ***</b> Buna-N -35°F to +250°F Ethylene Propylene (EPDM) -65°F to +300°F Fluoroelastomer (Viton®) -15°F to +400°F Neoprene -35°F to +250°F <b>*Stainless Steel Body Only*</b> Aflas® +25°F to +450°F
<b>Compatibility Statement</b>	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.
<b>Pricing and Minimum Order Requirement</b>	Our Minimum Order Requirements are \$150.00 Domestic - \$250.00 International. Pricing is based on the quantity ordered. <b>Please indicate a typical order quantity or Estimated Annual Usage when requesting pricing.</b>