

THE SPECIALTY MFG. CO.

Custom Is Our Specialty

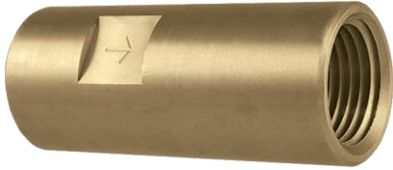
5858 Centerville Road
St. Paul, MN 55127

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
FAX - (651) 653-0989
E-Mail - info@specialtymfg.com

105 SERIES PISTON CHECK VALVE

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



Design Considerations

- Incorporates a 303 stainless steel 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:

<u>Material</u>	<u>Inlet Port</u>	<u>Outlet Port</u>	<u>Seal</u>	<u>Spring</u>
Brass	1/2 FNPT	1/2 FNPT	Buna	2.5 psi

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

CHK BRS 105-8F8F-B,2.5# = Brass Check Valve, 1/2 Female NPT Inlet x 1/2 Female NPT Outlet, Buna Seals, 2.5 psi Spring

Material Option	BODY – Brass PISTON – 303 Stainless
Plating Option	No Plating, Electroless Nickel Plating
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: Material – Cracking Pressure	303 Stainless – 2.5 psi, 12 psi
Cv Value	Varies, contact us to discuss
Maximum Operating Pressure	1000 psi
Temperature Range	*** NOT RATED FOR STEAM *** 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
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.