



Vertically Integrated, Made in the USA
www.specialtymfg.com

THE SPECIALTY MFG. CO.

5858 Centerville Road
St. Paul, MN 55127

SMC 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

107 SERIES PISTON CHECK VALVE 3/4" NPT



Design Considerations

- The 107 Series Piston Check Valve incorporates a 303 stainless steel 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 1,000 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

<u>Material</u>	<u>Inlet Port</u>	<u>Outlet Port</u>	<u>Seal</u>	<u>Spring</u>
Brass	3/4 FNPT	3/4 MNPT	Buna	2.5 psi

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

CHK BRS 107-12F12F-B,2.5# = Brass Check Valve, 3/4 Female NPT Inlet x 3/4 Female NPT Outlet, Buna Seals, 2.5 psi Spring

Specifications

Material	BODY - Brass, PISTON - 303 Stainless
Body Option	3/4 Female NPT Inlet x 3/4 Female NPT Outlet
Seal Option	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene *** Please ask us about Seal Materials not listed above. ***
Plating Option	No Plating Electroless Nickel Plating
Spring Option: Cracking Pressure and Material	2.5 psi - 302 Stainless
Maximum Flow Diameter	0.583 in
Cv	6.7 with 3/4 Female NPT Ends
Maximum Operating Pressure	1000 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
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 \$100.00 Domestic - \$250.00 International. Pricing is based on the quantity ordered. Please indicate a typical order quantity or Estimated Annual Usage when requesting pricing.

