

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

850 SERIES POPPET CHECK VALVE

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



Design Considerations

- Incorporates o-ring that is captured in brass poppet to seal on brass seat in valve body
- Poppet style is economical, general use design that provides positive seal down to approx. 1/2 psi back pressure
- UL / UR configurations are available and rated to 500 psi

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	Viton®	1 psi

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

CHK BRS 850-8F8F-F = Brass Poppet Check Valve, 1/2 Female NPT Inlet x 1/2 Female NPT Outlet, Viton® Seals, 1 psi Spring

Material Option	BODY, POPPET, and STOP – Brass
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
Spring Option:	302 Stainless – 1 psi, 3 psi, 5 psi
Material – Cracking Pressure	No spring
Cv Value	4.6
Full Port	.470 in
Maximum Operating Pressure	1200 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.