

# 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

## 650 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 provides a 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	3/8 FNPT	3/8 FNPT	Viton®	1 psi

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

**CHK BRS 650-6F6F-F** = Brass Body and Ends, Poppet Check Valve, 3/8 Female NPT Inlet x 3/8 Female NPT Outlet, Viton® Seals, 1 psi Spring

<b>Material Option</b>	BODY, POPPET and STOP – Brass
<b>Plating Option</b>	No Plating, Electroless Nickel Plating
<b>Body Option</b>	3/8 Female NPT Inlet x 3/8 Female NPT Outlet 1/2 Male NPT Inlet x 3/8 Female NPT Outlet
<b>Seal Option</b>	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene
<b>Spring Option: Material – Cracking Pressure</b>	302 Stainless – 1 psi, 7 psi No spring
<b>Cv Value</b>	Varies, contact us to discuss
<b>Full Port</b>	.430 in
<b>Maximum Operating Pressure</b>	1200 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>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>