

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
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1650 SERIES POPPET CHECK VALVE

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



Design Considerations

- Incorporates an o-ring captured in a brass poppet to seal on a brass seat in valve body
- Maximum operating pressure is 1200 psi
- Economical, general use design that provides positive seal down to approx. 1/2 psi back pressure

Order Example:

Material	Inlet Port	Outlet Port	Seal	Spring
Brass	1" FNPT	1" FNPT	Viton®	1 psi

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

CHK BRS 1650-16F16F-F = Brass Check Valve, 1" Female NPT Inlet x 1" Female NPT Outlet, Viton ® Seals, 1 psi Spring

Material Option	BODY, POPPET and STOP – Brass
Plating Option	No Plating, Electroless Nickel Plating
Body Option	3/4 MNPT Inlet x 3/4 MNPT Outlet
Seal Option	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Aflas®
Spring Option: Material – Cracking Pressure	302 Stainless Spring – 1 psi, 7 psi No Spring
Cv Value	9.3
Full Port	0.637 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 Aflas® +25°F to +450°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.