

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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212 SERIES POPPET CHECK VALVE

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



Design Considerations

- The 212 Series Poppet Check Valve incorporates a poppet with an embedded o-ring that seals on a brass seat
- Maximum operating pressure of 500 psi covers a wide range of air and fluid applications
- Compact design and has a positive seal at very low back pressure or slight vacuum
- 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	1/8 MNPT	1/8 MNPT	Viton	.5 psi

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

CHK BRS 212-2M2M-F,1/2# = 1/8 MNPT Inlet x 1/8 MNPT Outlet = Brass Check Valve, 1/8 Male NPT Inlet x 1/8 Male NPT Outlet, Viton® Seals, .5 psi Spring

Material Option	BODY, POPPET and RETAINER – Brass
Plating Option	No Plating, Electroless Nickel Plating
Body Option	1/8 MNPT Inlet x 1/8 MNPT Outlet 1/4 Male Flare Inlet x 1/8 MNPT Outlet 1/8 MNPT Inlet x 1/4 Male Flare Outlet 1/4 Male Flare x 1/4 Male Flare
Seal Option	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene, Perfluoroelastomer
Spring Option: Material – Cracking Pressure	302 Stainless Spring – .5 psi, 1.75 psi
Cv Value	0.4
Full Port	0.128 in
Maximum Operating Pressure	500 psi (options available)
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 Perfluoroelastomer +5°F to +550°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.