

# 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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## 1210 SERIES PISTON CHECK VALVE

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



### Design Considerations

- Incorporates a piston with embedded o-ring that seals on the seat
- Pressure in flow direction moves piston and seal off seat, exposing cross holes in piston
- Maximum operating pressure of 500 psi covers wide range of air and fluid applications
- Compact design has a positive seal at very low back pressure or slight vacuum

### Order Example:

<b>Material</b>	<b>Inlet Port</b>	<b>Outlet Port</b>	<b>Seal</b>	<b>Spring</b>
Brass	3/4 FNPT	3/4 MNPT	Viton®	1 psi

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

**CHK BRS 12010-12F12M-F** = Brass Check Valve, 3/4 Female NPT Inlet x 3/4 Male NPT Outlet, Viton ® Seals, 1 psi Spring

<b>Material Option</b>	BODY and PISTON – Brass RETAINER – Beryllium Copper
<b>Plating Option</b>	No Plating, Electroless Nickel Plating
<b>Body Option</b>	3/4 FNPT Inlet x 3/4 MNPT Outlet
<b>Seal Option</b>	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene, Silicone
<b>Spring Option: Material – Cracking Pressure</b>	302 Stainless Spring – .5 psi, 1 psi No Spring
<b>Cv Value</b>	5.8
<b>Full Port</b>	0.500 in
<b>Maximum Operating Pressure</b>	500 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 Silicone -65°F to +400°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>