

# 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

## 210 SERIES PISTON CHECK VALVE

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



### Design Considerations

- Incorporates a piston with an embedded o-ring that seals on the seat
- Pressure in the flow direction moves the piston and seal off the seat and exposes the cross holes in the piston
- Maximum Operating Pressure of 500 psi covers a wide range of air and fluid applications
- Positive seal at very low back pressure or slight vacuum

### Order Example:

Type	Inlet Port	Outlet Port	Seal	Spring
316 Stainless Steel	1/8 FNPT	1/8 MNPT	Buna	1/3 psi

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

**CHK SST 210-2F2M-B,1/3#** = 316 Stainless Check Valve, 1/8 Female NPT Inlet x 1/8 Male NPT Outlet, Buna Seals, 1/3 psi Spring

<b>Material Option</b>	BODY and PISTON - 316 Stainless, Brass RETAINER - 15-7 Stainless, Beryllium Copper
<b>Plating Option</b>	No Plating, Electroless Nickel Plating
<b>Body Option</b>	1/8 Male NPT Inlet x 1/8 Male NPT Outlet 1/8 Male NPT Inlet x 1/8 Female NPT Outlet 1/8 Female NPT Inlet x 1/8 Male NPT Outlet <b>*Brass Only*</b> 1/8 FNPT Inlet x 1/4 Male Flare Outlet
<b>Seal Option</b>	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene, Perfluorelastomer, Aflas®
<b>Plating Option</b>	Electroless Nickel Plated
<b>Spring Option: Material - Cracking Pressure</b>	302 Stainless - .33 psi, 1 psi, 2.5 psi, 3.5 psi, 5 psi No spring
<b>Cv Value</b>	0.2
<b>Full Port</b>	.14 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 Perfluorelastomer +5°F to +550°F Aflas® +25°F to +450°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>