

THE SPECIALTY MFG. CO.

5858 Centerville Road
St. Paul, MN 55127

Custom Is Our Specialty

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

410 SERIES PISTON CHECK VALVES

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



Design Considerations

- Incorporates piston with an embedded o-ring that seals on the seat
- Pressure in flow direction moves piston and seal off seat, exposing cross holes in the piston
- Compact design and has positive seal at very low back pressure or slight vacuum
- UL / UR configurations are available and rated to 500 psi

Order Example:

| Material | Inlet Port | Outlet Port | Seal | Spring |
|-----------|------------|-------------|--------|-----------------|
| Stainless | 1/4 FNPT | 1/4 MNPT | Viton® | 3 psi Hastelloy |

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

CHK SST 410-4F4M-F, 3#, HAST = Stainless Steel Body and Ends, Piston

Check Valve, 1/4 Female NPT Inlet x 1/4 Male NPT Outlet, Viton® Seals, 3 psi Hastelloy Spring

| | |
|--|---|
| Material Option | BODY and PISTON – 316 Stainless, Brass RETAINER – 15-7 Stainless, Beryllium Copper |
| Plating Option | No Plating, Electroless Nickel Plating |
| Body Option | 1/4 Male NPT Inlet x 1/4 Male NPT Outlet 1/4 Male NPT Inlet x 1/4 Female NPT Outlet 1/4 Female NPT Inlet x 1/4 Male NPT Outlet *Brass Only* 5/16 Hose Barb x 5/16 Hose Barb |
| Seal Option | Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene, Perfluoroelastomer, Silicone, Aflas® |
| Spring Option: Material – Cracking Pressure | 302 Stainless – .33 psi, 1 psi, 2 psi, 3 psi, 4 psi, 5 psi, 10 psi, 20 psi, 25 psi, 30 psi Hastelloy® - 1 psi, 3 psi, 5 psi, 15 psi, 25 psi No spring |
| Cv Value | 0.6 |
| Full Port | .203 in |
| Maximum Operating Pressure | 500 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 Neoprene -35°F to +250°F Perfluoroelastomer +5°F to +550°F Silicone -65°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. |