

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

406 SERIES POPPET CHECK VALVE 1/8" to 1/4" NPT, 1/8" to 3/8" BARB, 1/4" to 3/8" PUSH-TO-CONNECT



Design Considerations

- The 406 Check Valves incorporate a plastic poppet with an embedded o-ring that seals on the seat
- Designed for Cracking Pressure down to 0.1 psi
- Polypropylene, Nylon, PVDF (Kynar®) are available for chemical resistance applications
- Standard colors are Natural (Translucent/White) for the Inlet End, Black for the Outlet End
- Alternate Colors are available on volume quote basis
- Hastelloy® is a superior chemically resistant spring material

Example of how to order

Material	Inlet Port	Outlet Port	Seal	Spring
Black PVDF (Kynar®)	3/16 Barb	1/8 Barb	Fluoroelastomer (Viton®)	0.1 psi

Part Numbers are a description of the check valve as read left to right, Inlet Port to Outlet Port.
PVDF CHK 406-3B2B-F,.1# = Black PVDF Check Valve, 3/16 Barb Inlet x 1/8 Barb Outlet, Fluoroelastomer (Viton®) Seals, 0.1 psi Spring

Specifications

Material	White Polypropylene/Black Polypropylene Natural Nylon/Black Nylon Black PVDF (Kynar®)
Inlet End	Current Production - 1/8 Barb, 3/16 Barb, 1/4 Barb * Planned Production - 5/16 Barb, 3/8 Barb * Planned Production - 1/8 Male NPT, 1/4 Male NPT * Planned Production - 1/4 Push-to-Connect, 3/8 Push-to-Connect
Outlet End	Current Production - 1/8 Barb, 3/16 Barb, 1/4 Barb * Planned Production - 5/16 Barb, 3/8 Barb * Planned Production - 1/8 Male NPT, 1/4 Male NPT * Planned Production - 1/4 Push-to-Connect, 3/8 Push-to-Connect
Seal Option	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®) *** Please ask us about Seal Materials not listed above. ***
Spring Option: Cracking Pressure and Material	0.1 psi - 302 Stainless, 0.25 psi - 302 Stainless, 0.65 psi - 302 Stainless 1 psi - 302 Stainless, 1.5 psi - 302 Stainless, 2 psi - 302 Stainless, 3 psi - 302 Stainless *** Please ask us about Hastelloy® Spring Material. ***
Cv	0.4 with 1/4 Barb Ends
Maximum Operating Pressure	125 psi
Maximum Operating Temperature	140 °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.