



Vertically Integrated, Made in the USA
www.specialtymfg.com

THE SPECIALTY MFG. CO.

5858 Centerville Road
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SMC will quote alternate materials or customize our standard products when quantities ensure competitive pricing.

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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	<p>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.</p> <p>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.</p>
Pricing and Minimum Order Requirement	<p style="text-align: center;">Our Minimum Order Requirements are \$100.00 Domestic - \$250.00 International. Pricing is based on the quantity ordered.</p> <p style="text-align: center;">Please indicate a typical order quantity or Estimated Annual Usage when requesting pricing.</p>