

406 Series Poppet Check Valve



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

Configure your exact valve



SCAN ME

Specifications:

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

Example of how to order:

| Material | Inlet Port | Outlet Port | Seal | Spring |
|------------|------------|-------------|----------|----------------|
| Black PVDF | 3/8 Barb | 1/8 Barb | (Viton®) | 0.1 psi Spring |

Part Numbers are a description of the 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