



international polymer solutions

Check Valves

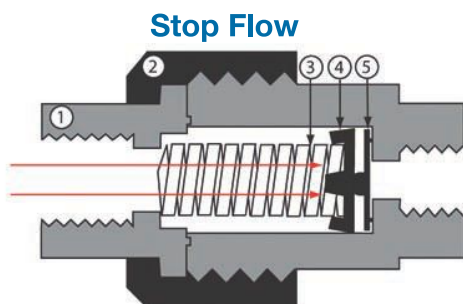


Our **IPS Check Valve** feature all PTFE wetted surfaces for excellent performance in all high purity applications. Our PTFE design resists chemical corrosion and other elements within a harsh process environments.

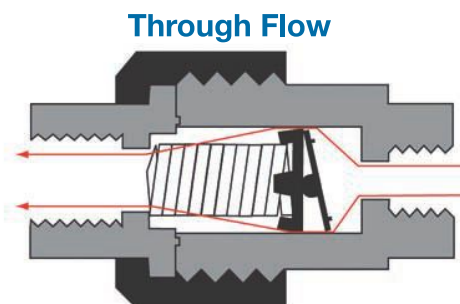
IPS Check Valves are commonly found as backflow preventers in clean processes. They are a simple and ideal device where directional flow control is a must.

Depending on the check valve size selected and cracking pressure, some external non-wetted components may include Polypropylene or PVDF. The special internal control spring for 3 psi to 6 psi (nominal 5 psi) cracking pressure is machined virgin PTFE. Whereas, for higher cracking pressures the spring construction is doubled Teflon Coated Stainless Steel precision ground.

Please contact us with your special application requirements. Special PEEK, PVDF and Polypro configurations are available upon request.



Stop Flow



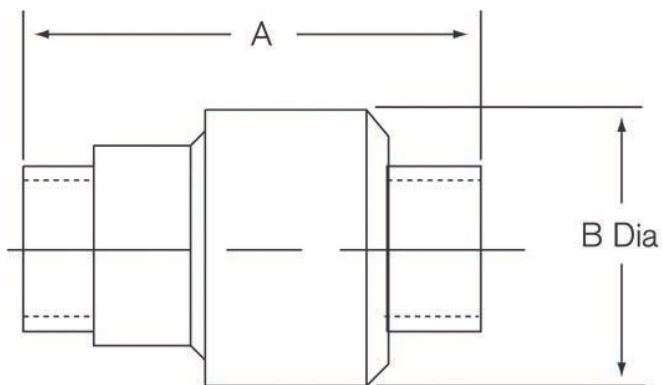
Through Flow

- 1. Body
- 2. Nut
- 3. Spring
- 4. Diffuser
- 5. Poppet

Specifications

	- 05	- 10	- 20
Cracking Pressure	3 psi to 6 psi	7 psi to 13 psi	17 psi to 23 psi
Max Operating Pressure	50 psi	50 psi	50 psi
Media Temperature	230° F / 110° C	230° F / 110° C	230° F / 110° C
Ambient Temperature	140° F / 60° C	140° F / 60° C	140° F / 60° C

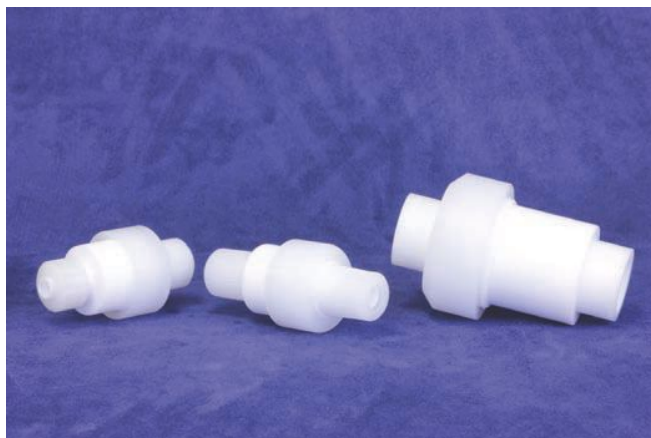
international polymer solutions inc. • manufacturer of high purity flow control products
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Custom configurations are available

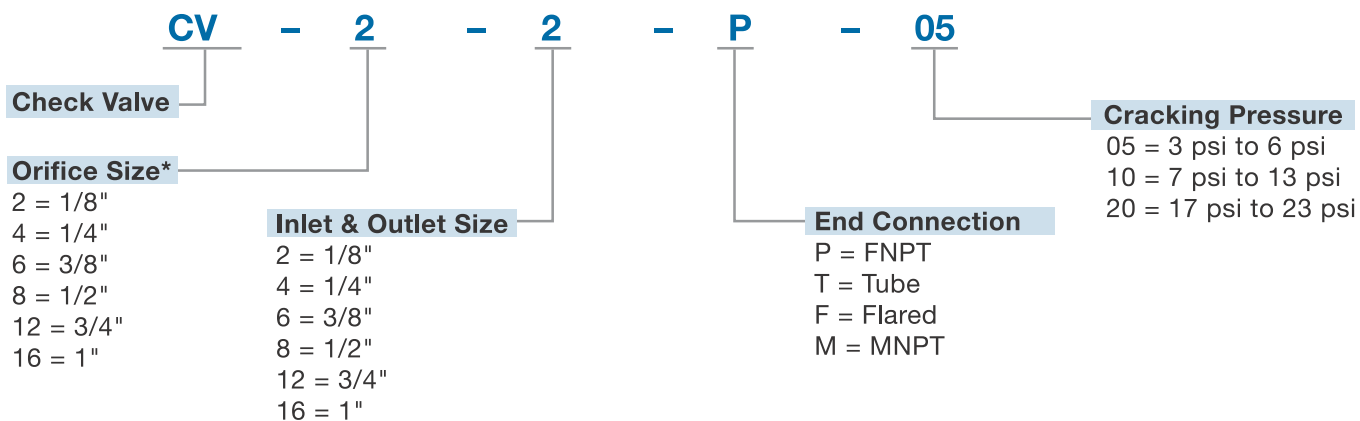
Inlet & Outlet Port Size	A*	B
2	2.13	1.25
4	2.49	1.25
6	2.75	1.75
8	3.13	1.75
12	4.40	2.75
16	4.95	2.75

*Tube and Flare ends slightly longer



Check Valve: ORDERING FORMAT

*Orifice Size cannot be larger than Inlet & Outlet Port Size



IPS Product Notes:

1. Please email Customer Service at info@ipolymer.com
2. Call us for special applications.
3. Upon request, alternate material selection from those listed will allow for expanding temperature ratings or other performance characteristics.
4. Unauthorized disassembly of this product will void the original factory one-year product warranty. For further details please contact your local Distributor or our factory directly.

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