



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

## THE SPECIALTY MFG. CO.

5858 Centerville Road  
St. Paul, MN 55127

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

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## 695 SERIES BALL CHECK VALVE 1/8" to 1/4" BARB, 1/8" NPT, 1/4" BIB



### Design Considerations

- The 695 Series Ball Check Valve incorporates a stainless ball that seals on an o-ring seat
- Compact design with a light cracking pressure and a positive seal at low back pressure
- Maximum operating pressure of 125 psi covers a wide range of air and fluid applications

### **Example of how to order**

<u>Material</u>	<u>Inlet Port</u>	<u>Outlet Port</u>	<u>Seal</u>	<u>Spring</u>
Black PVDF (Kynar®)	1/4 Barb	1/4 Barb	Buna	2 psi

**Part Numbers** are a description of the check valve as read left to right, Inlet Port to Outlet Port.  
**PVDF CHK 695-4B4B-B,2#** = Black PVDF (Kynar®) Check Valve, 1/4 Barb Inlet x 1/4 Barb Outlet, Buna Seals, 2 psi Spring

### Specifications

<b>Material</b>	Natural Polypropylene White Nylon Black PVDF (Kynar®)
<b>Inlet End</b>	1/8 Barb (695) 3/16 Barb (695) 1/4 Barb (695) 1/4 BIB (695 Smooth Barb)
<b>Outlet End</b>	1/8 Barb (695) 3/16 Barb (695) 1/4 Barb (695) 1/8 Male NPT (695) 1/4 BIB (695 Smooth Barb)
<b>Seal Option</b>	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Viton® Extreme, Silicone, AFLAS®, Perfluoroelastomer <b>*** Please ask us about Seal Materials not listed above. ***</b>
<b>Spring Option: Cracking Pressure and Material</b>	1 psi - 302 Stainless 1/2 psi - 302 Stainless 2 psi - 302 Stainless 3 psi - 302 Stainless 1 psi - Hastelloy® 2 psi - Hastelloy® 3 psi - Hastelloy® No Spring
<b>Ball Option</b>	316 Stainless Ball (Supplied when 302 Stainless Spring is selected) Teflon® Ball (Supplied when Hastelloy Spring is selected)

<b>Maximum Flow Diameter</b>	.160 in
<b>Cv</b>	0.2 with 1/8 Barb Ends
<b>Maximum Operating Pressure</b>	125 psi
<b>Maximum Operating Temperature</b>	140 °F
<b>Compatibility Statement</b>	<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>
<b>Pricing and Minimum Order Requirement</b>	<p>Our Minimum Order Requirements are \$100.00 Domestic - \$250.00 International. Pricing is based on the quantity ordered.</p> <p><b>Please indicate a typical order quantity or Estimated Annual Usage when requesting pricing.</b></p>