

# 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

## 493 SERIES BALL CHECK VALVE 3/4" NPT



### Design Considerations

- The 493 Ball Check Valve incorporates a guided stainless ball, a custom seal and a brass seat.
- Designed for high pressure - light hydraulics, high pressure fluid or air applications where a positive seal is required.
- Positive seal at very low back pressure or slight vacuum.

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

| <u>Material</u> | <u>Inlet Port</u> | <u>Outlet Port</u> | <u>Seal</u>              | <u>Spring</u> |
|-----------------|-------------------|--------------------|--------------------------|---------------|
| Brass           | 3/4 FNPT          | 3/4 FNPT           | Fluoroelastomer (Viton®) | No Spring     |

**Part Numbers** are a description of the valve as read left to right, Inlet to Outlet.

**CHK BRS 493-12F12F-F,NO SPRING** = Brass Check Valve, 3/4 Female NPT Inlet x 3/4 Female NPT Outlet, Fluoroelastomer (Viton®) Seals, No Spring

### Specifications

|  |  |
|--|--|
| <b>Material</b>                                      | BODY, ENDS and RETAINER - Brass, BALL - 316 Stainless  |
| <b>Inlet End</b>                                     | 3/4 Female NPT   |
| <b>Outlet End</b>                                    | 3/4 Female NPT   |
| <b>Seal Option</b>                                   | Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®)<br>*** Please ask us about Seal Materials not listed above. ***   |
| <b>Plating Option</b>                                | No Plating<br>Electroless Nickel Plating   |
| <b>Spring Option: Cracking Pressure and Material</b> | 1 psi - 302 Stainless<br>2 psi - 302 Stainless<br>No Spring  |
| <b>Maximum Flow Diameter</b>                         | 0.530 in   |
| <b>Cv</b>  | 6.2 with 3/4 Female NPT Ends   |
| <b>Maximum Operating Pressure</b>                    | 2000 psi   |
| <b>Maximum Operating Temperature</b>                 | *** NOT RATED FOR STEAM ***<br>Buna-N -10°F to +250°F<br>Ethylene Propylene (EPDM) -50°F to +300°F<br>Fluoroelastomer (Viton®) -10°F to +375°F   |
| <b>Compatibility Statement</b>                       | It is the sole responsibility of the system designer and user to select products suitable for their 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. |
| <b>Pricing and Minimum Order Requirement</b>         | Our Minimum Order Requirements are \$150.00 Domestic - \$250.00 International.<br>Pricing is based on the quantity ordered.<br><b>Please indicate a typical order quantity or Estimated Annual Usage when requesting pricing.</b>  |