

THE SPECIALTY MFG. CO.

5858 Centerville Road
St. Paul, MN 55127

Custom Is Our Specialty

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

[Click here to design your valve in 3D using our online configurator.](#)



Design Considerations

- Designed for high pressure – light hydraulics, high pressure fluid or air applications where a positive seal is required
- Incorporates a guided stainless ball, custom seal, and brass seat
- Has a positive seal at very low back pressure or slight vacuum

Order Example:

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

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

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

| | |
|--|---|
| Material Option | BODY and RETAINER – Brass BALL - 316 Stainless Steel |
| Plating Option | No Plating, Electroless Nickel Plating |
| Body Option | 3/4 Female NPT Inlet x 3/4 Female NPT Outlet |
| Seal Option | Fluoroelastomer (Viton®) |
| Spring Option: Material – Cracking Pressure | 302 Stainless –1 psi, 2 psi No spring |
| Cv Value | 6.2 |
| Full Port | .530 in |
| Maximum Operating Pressure | 2000 psi |
| Temperature Range | *** NOT RATED FOR STEAM *** Fluoroelastomer (Viton®) -15°F to +400°F |
| Compatibility Statement | 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. 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. |
| Pricing and Minimum Order Requirement | Our Minimum Order Requirements are \$150.00 Domestic - \$250.00 International. Pricing is based on the quantity ordered. Please indicate a typical order quantity or Estimated Annual Usage when requesting pricing. |