



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.

Contact Customer Service at (651) 653-0599

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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

Material	BODY, ENDS and RETAINER - Brass, BALL - 316 Stainless
Inlet End	3/4 Female NPT
Outlet End	3/4 Female NPT
Seal Option	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®) *** Please ask us about Seal Materials not listed above. ***
Plating Option	No Plating Electroless Nickel Plating
Spring Option: Cracking Pressure and Material	1 psi - 302 Stainless 2 psi - 302 Stainless No Spring
Maximum Flow Diameter	0.530 in
Cv	6.2 with 3/4 Female NPT Ends
Maximum Operating Pressure	2000 psi
Maximum Operating Temperature	*** NOT RATED FOR STEAM *** Buna-N -10°F to +250°F Ethylene Propylene (EPDM) -50°F to +300°F Fluoroelastomer (Viton®) -10°F to +375°F
	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

Compatibility Statement

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 \$100.00 Domestic - \$250.00 International.
Pricing is based on the quantity ordered.

Please indicate a typical order quantity or Estimated Annual Usage when requesting pricing.