

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
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460 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
- Incorporates stainless ball on a brass seat in valve body
- Will have a positive seal only at high back pressure
- No elastomer in check valve to create positive seal, there may be some leakage past the seat in low back pressure situations

Order Example:

<u>Material</u>	<u>Inlet End</u>	<u>Outlet End</u>	<u>Spring</u>
Brass	1/4 MNPT	1/4 FNPT	14 psi

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

CHK BRS 460-4M4F, #14 = Brass Body and Ends, Ball Check Valve, 1/4 Male NPT Inlet x 1/4 Female NPT Outlet, 14 psi Spring

Material Option	BODY and STOP – 316 Stainless, Brass BALL – 440 Stainless RETAINER – 15-7 Stainless
Plating Option	No Plating, Electroless Nickel Plating
Body Option	1/4 Male NPT Inlet x 1/4 Male NPT Outlet *Brass Only* 1/4 Male NPT Inlet x 1/4 Female NPT Outlet *Brass Only* 1/4 Male Flare x 1/4 Male Flare
Spring Option: Material – Cracking Pressure	302 Stainless – 1 psi, 3.7 psi, 5 psi, 10 psi, 14 psi, 18 psi, 30 psi No spring
Cv Value	Varies, contact us to discuss
Full Port	.187 in
Maximum Operating Pressure	2500 psi
Temperature Range	Varies, contact us to discuss
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.