



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

THE SPECIALTY MFG. CO.

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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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027 SERIES TWO-WAY BALL VALVE (One Piece Body)

1/4" NPT



Design Considerations

- The 027 Two-Way Ball Valves are rated to 500 psi and will support flow and pressure in either direction
- A one-piece body construction and Zinc Die Cast Lever Handle is standard
- Handles can be ordered Reversed - to lie over the outlet when the valve is in the open position
- UL configurations rated to 250 psi are available - contact Customer Service
- UR configurations rated to 500 psi are available - contact Customer Service

Example of how to order

Type	Inlet End	Outlet End	Seal	Handle	Plating
Brass, Two-Way	1/4 Female NPT	1/4 Female NPT	Buna	Steel Handle	No Plating

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

027-4F4F-BT,SH = Brass Two-Way Ball Valve, 1/4 Female NPT Inlet x 1/4 Female NPT Outlet, Buna Seals, Steel Handle, Unplated

Specifications

Material	BODY and ENDS - Brass, BALL - Electroless Nickel Plated Brass, SEATS - Teflon®, HANDLE SCREW - Stainless
Type	TWO-WAY - Supports Flow and Pressure in either direction
Body Option	1/4 Female NPT Inlet x 1/8 Male NPT Outlet 1/4 Female NPT Inlet x 1/4 Female NPT Outlet 1/4 Female NPT Inlet x 1/4 Male NPT Outlet
Seal Option	Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene, AFLAS®, Perfluoroelastomer
Plating Option	No Plating, Electroless Nickel Plating
Handle Option	Zinc Die Cast Lever Handle Zinc Die Cast Lever Handle (No Stops) Zinc Die Cast Lever Handle, Reversed Zinc Die Cast Lever Handle with Red Vinyl Sleeve Zinc Die Cast Lever Handle with Red Vinyl Sleeve, Reversed Steel Lever Handle Steel Lever Handle, Reversed Steel Lever Handle with Red Vinyl Sleeve Steel Lever Handle with Red Vinyl Sleeve, Reversed Round Zinc Die Cast Handle Black Nylon T-Handle Blue Nylon Plastic Handle Screw Slot Headed Ball Zinc Die Cast Stem - .312 X 1"

Ball Through Hole Diameter	0.218 in
Cv	1.4 with 1/4 Female NPT Ends
Ball Flow Pattern Option	0.218 Through Hole 0.062 Through Hole 0.040 Cross Hole 0.087 Cross Hole
Maximum Operating Pressure	500 psi
Maximum Operating Temperature	180 °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 \$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.