

MOGAS Severe Service Ball Valves

MOGAS severe service ball valves are designed to be in accordance with these specifications:

		C-Series	T-Series	IRSVP	PORV	DV-4	Y-Valve	SC-3PC	ISOLATOR 2.0	G-Series
ANSI/ASME (American National Standards Institute / American Society of Mechanical Engineers)										
B16.5	Pipe Flanges and Flanged Fittings	●	●	●	●	●	●	—	●	—
B16.10	Face-to-Face and End-to-End Dimensions of Ferrous Valves	●	●	—	●	—	—	●	●	●
B16.11	Forged Steel Fittings, Socket-Welding and Threaded	—	—	●	—	—	—	—	●	●
B16.20	Ring-Joint Gaskets and Grooves for Steel Pipe Flanges	●	●	—	—	●	●	—	—	—
B16.25	Buttwelding Ends	●	●	●	●	—	●	●	●	●
B16.34	Valves – Flanged, Threaded, and Welding End	●	●	●	●	●	●	●	●	●
B16.5	Steel Pipe Flanges and Flanged Fittings	●	●	●	●	●	●	—	●	—
B31.1	Power Piping	●	●	●	●	—	—	●	●	●
B31.3	Chemical Plant and Petroleum Refinery Piping	●	●	●	—	●	●	●	●	●
B31.4	Pipeline Transportation Systems for Liquids and Slurries	●	●	●	—	—	—	●	●	—
ASME (American Society of Mechanical Engineers)										
Section II	Boiler and Pressure Vessel Code – Materials	●	●	●	●	●	●	●	●	●
Section VIII Div. 1 or II	Boiler and Pressure Vessel Code Rules for Construction of Pressure Vessels	●	●	●	●	●	●	●	●	●
ASTM (American Society for Testing and Materials)										
A275	Magnetic Particle Examination of Steel Forgings	●	●	●	●	●	●	●	●	●
A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products	●	●	●	●	●	●	●	●	●
A388	Practice for Ultrasonic Examination of Heavy Steel Forgings	●	●	●	●	●	●	●	●	●
A609	Practice for Castings, Carbon, Low-alloy, and Martensitic Stainless Steel, Ultrasonic Examination Thereof	●	●	●	●	●	●	●	●	●
E94	Recommended Practice for Radiographic Testing	●	●	●	●	●	●	●	●	●
E142	Controlling Quality of Radiographic Testing	●	●	●	●	●	●	●	●	●
E165	Practice for Liquid Penetrant Inspection Method	●	●	●	●	●	●	●	●	●
E709	Standard Recommended Practice for Magnetic Particle Examination	●	●	●	●	●	●	●	●	●
NACE (National Association of Corrosion Engineers)										
MR-0103 / ISO 17945	Petroleum, Petrochemical and Natural Gas Industries - Metallic Materials Resistant to Sulfide Stress Cracking in Corrosive Petroleum Refining Environments	●	●	●	—	●	●	●	●	—
MR-0175/ ISO 15156	Petroleum, Petrochemical, and Natural Gas Industries - Materials for Use in H2S-Containing Environments in Oil and Gas Production	●	●	●	—	●	●	●	●	—

● Optional ● Standard — Not Applicable

MOGAS Severe Service Ball Valves

MOGAS severe service ball valves are designed to be in accordance with these specifications:

		C-Series	T-Series	IRSVP	PORV	DV-4	Y-Valve	SC-3PC	ISOLATOR 2.0	G-Series
MSS (Manufacturers Standardization Society of the Valve and Fitting Industry)										
SP-6	Standard Finishes for Contact Faces of Pipe Flanges and Connecting – End Flanges of Valves and Fittings	●	●	●	●	●	●	—	●	—
SP-25	Standard Marking System for Valves, Fittings, Flanges and Unions	●	●	●	●	●	●	●	●	●
SP-44	Steel Pipe Line Flanges	●	●	—	—	●	●	—	—	—
SP-45	Bypass and Drain Connections	●	●	—	—	●	●	—	—	—
SP-53	Quality standard for Steel Castings and Forgings for Valves, Flanges and Fittings and other Piping Components – Magnetic Particle Examination Method	●	●	●	●	●	●	●	●	●
SP-54	Quality standard for Steel Castings and Forgings for Valves, Flanges and Fittings and other Piping Components – Radiographic Examination Method	●	●	●	●	●	●	●	●	●
SP-55	Quality standard for Steel Castings and Forgings for Valves, Flanges and Fittings and other Piping Components – Visual Examination Method	●	●	●	●	●	●	●	●	●
SP-61	Pressure Testing of Steel Valves	●	●	●	●	●	●	●	●	●
SP-84	Steel Valves – Socket Welding and Threaded Ends	●	—	●	—	—	—	—	●	●
SP-93	Quality standard for Steel Castings and Forgings for Valves, Flanges and Fittings and other Piping Components – Liquid Penetrant Examination Method	●	●	●	●	●	●	●	●	●
SP-94	Quality standard for Steel Castings and Forgings for Valves, Flanges and Fittings and other Piping Components – Ultrasonic Examination Method	●	●	●	●	●	●	●	●	●
API (American Petroleum Institute)										
598	Valve Inspection and Testing	●	●	●	●	●	●	●	●	●
607	Fire Test for Quarter-turn Valves and Valves Equipped with Nonmetallic Seats	●	●	—	—	●	●	●	●	—
608	Metal Ball Valves – Flanged, Threaded and Welding Ends	●	●	—	—	●	●	●	—	—
641	Type Testing of Quarter-turn Valves for Fugitive Emissions	●	●	—	—	●	●	●	●	—
6A	Specification for Wellhead and Christmas Tree Equipment	●	●	—	—	—	—	—	—	—
6D	Specification for Pipeline and Piping Valves	●	●	—	—	—	—	—	—	—
6FA	Standard for Fire Test for Valves	●	●	—	—	●	●	●	●	—

● Optional ● Standard — Not Applicable

Notes

1. Valves and components can be designed and manufactured following the guidelines of standards other than those listed above. This would include international specifications such as DIN, JIS, BS, or TRB when required. Certifications can be provided through third-party sources if required.
2. Materials are in conformance with the latest release of the applicable ASTM specifications as a minimum.
3. Additional requirements can be accommodated if specified by the customer at the bid phase.
4. The MOGAS Quality Assurance Program is certified to ISO 9001- and API Q1. The MOGAS Quality Assurance Program is regularly audited to ensure compliance is current.