



BALL VALVES

THE
STANDARD IN
**NON-
STANDARD
VALVES**



GENERAL INFORMATION

Ball valves are fundamental components in various industries, offering efficient and reliable control over the flow of fluids and gases. The design makes them versatile for a wide range of applications and services.

A ball valve is a quarter-turn valve that uses a spherical closure element (the ball) to control the flow of fluids or gases through it. The ball has a hole (or port) through the center, which aligns with the inlet and outlet ports when in open position, allowing fluid or gases to flow through. Rotating the ball 90 degrees, closes the valve by blocking the flow path.

Ball valves are indispensable components in fluid control systems, offering efficient and reliable operation across diverse industries and applications. Their versatile, excellent shut-off characteristics, and low maintenance requirements make them a preferred choice for engineers and systems engineers seeking optimal performance and reliability in fluid handling systems.

SUITABLE APPLICATIONS

- Industrial process
- Cryogenic service
- Hydrogen service
- Fire safe services
- Water & Wastewater management
- Subsea
- Power generation
- Acetic Acid services
- Steam service
- HVAC systems

UNIQUE FEATURES

- Quick operation
- Excellent shut-off
- Low maintenance
- Wide range in pressure & temperature
- Blowout proof stem
- Gland packing
- Versatility
- Fire Safe (Design)

TECHNICAL SPECIFICATIONS

PROGRAMM

Size inch (DN)	1/2" (15) - 16" (400)
ANSI class (lbs)	150 - 4500
API rating (psi)	3000 - 10000
DIN rating (PN)	10 - 400

STANDARDS

API 608	DIN
API 6A	Russian GOST
API 6D	NORSOK
ASME B16.34	PED
EN-1983	Manufacturer standard
ISO 17292	

RANGE

Pressure	Vacuum to 1034 bar(g)
Pressure	Vacuum to 765 bar(g)
Pressure	Vacuum to 11000 psi
Temperature	-196°C to +850°C
Temperature	-320°F to +1562°F

CONSTRUCTION

One piece body	Floating ball
Split body	Trunnion mounted
Three piece body	Wrench operated
Top entry	Gear operated
Side entry	Actuated
Wafer type	3-way type

SEAT CONSTRUCTION

Renewable	
Soft	
Metal to Metal	

OPTIONS FOR SOFT SEATS

POM-C	PCTFE
PEEK	Devlon
PTFE (Virgin / Reinforced)	Nylon

OPTIONS FOR METAL SEATS

Tungsten Carbide Coating	Chrome Carbide Coating
Stellite	Kolsterising®

TIGHTNESS PERFORMANCE

ISO 5208	ISO 14313 (API 6D)
API 598	EN 12266 Part 1/2
ISO 10423 (API 6A)	Clients' specification

END CONNECTIONS

Flanged (FF / RF / RTJ)	Hubbed or Mechanical Ends
Butt Weld	SAE Flanged
Socket Weld	Compact Flanged
Threaded (Male / Female)	Clients' specification



DBB Ball Valve DN40 1500 lbs



Ball Valve 10" 2500 lbs

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