

Ductile Iron Flanged Ball Valve PN16 FIG. VA4102



Specification

- ✓ Design in accordance with MSS SP-72
- ✓ Ductile iron body for high strength and durability
- ✓ Stainless steel ball for reliable operation and corrosion resistance
- ✓ PTFE seats for tight shut-off and low operating torque
- ✓ Flanged ends drilled to EN 1092-2 PN16
- ✓ Actuator-ready top mounting flange in accordance with ISO 5211
- ✓ Rated working pressure: 16 bar / 250 psi
- ✓ Quarter-turn operation for quick opening and closing
- ✓ Suitable for manual or actuator operation

Material Specification

Item	Part Name	Material	Specification
1	Body	Ductile Iron	EN 1563 EN-GJS-450-10
2	Body Seat	PTFE	
3	Ball	Stainless Steel	EN 10213 G5C/Ni 19-10
4	Stem	Stainless Steel	EN 10088X17CrNi 16-2
5	Bushing	Stainless Steel	EN 10088 XSCrNi18-10
6	Stem Nut	Stainless Steel	EN 10088 XSCrNi18-10
7	O Ring	Rubber	
8	Stopper	Stainless Steel	EN 10088 X5CrNi18-10
9	Handle	Carbon Steel	Mild Steel

Corrosion Protection

- Fusion Bonded Epoxy (FBE) coating, internally and externally
- Coating provides enhanced protection against corrosion and environmental exposure

Standards & Compliance

MSS SP-72 – Ball Valves with Flanged or Butt-Welding Ends for General Service
EN 1092-2 PN16 – Flanged connection and drilling
ISO 5211 – Actuator mounting interface

Main Dimensions (mm)

Size	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
L	115	120	125	130	140	150	170	180	205	200	250	400
H	83	89.5	90.5	102	107	114	148	159	174	195	240	325

Features & Benefits

- ✓ Low operating torque for smooth and easy operation
- ✓ Quarter-turn design provides fast isolation
- ✓ PTFE seating ensures reliable sealing performance
- ✓ Stainless steel ball provides excellent corrosion resistance
- ✓ Ductile iron construction offers high mechanical strength and long service life
- ✓ ISO 5211 mounting interface allows easy installation of electric or pneumatic actuators
- ✓ Full-bore flow path helps minimise pressure loss
- ✓ Robust construction for reliable long-term service
- ✓ Suitable for a wide range of HVAC, water and general utility applications

PRESSURE/ TEMPERATURE RATING

- ✓ 16 bar from -10°C to 90°C

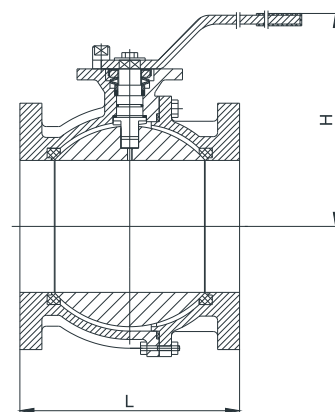
HYDROSTATIC TEST PRESSURE

- ✓ Shell - 24 bar
- ✓ Seat - 17.6 bar

APPLICATION

Suitable for:

HVAC systems	Building services
Chilled water systems	Industrial water systems
Heating water systems	General utility and isolation applications
General water supply	



Notes

Specifications, materials and dimensions shown are subject to change without prior notice

