

DIN / EN Globe Valve: DIN 3356, EN 13709, PN16–PN64

DIN / EN steel globe valves are used for isolation and flow regulation in steam, hot water and thermal oil systems in plants engineered to European standards. With EN 558 face-to-face dimensions and EN 1092-1 flanges, they allow one-for-one replacement in existing DIN lines.

Technical specifications

Pressure rating	PN16, PN25, PN40, PN64
Standards	DIN 3356 / EN 13709; EN 558 face-to-face; EN 1092-1 flanges
Materials	1.0619, 1.7357, 1.4408 and other EN materials
Operation	Handwheel, electric actuator
Testing	EN 12266-1



Stainless steel flanged globe valve, PN16 · representative image

Key features

- One-for-one replacement in DIN lines
- Cr-Mo options for high temperature
- Electric actuator option for regulation

Standards and test pressures

- **Design:** DIN 3356 / EN 13709
- **Face-to-face:** DIN 3202 / EN 558
- **Flanges:** EN 1092-1 (DIN 2543–2547)
- **Seat:** hardfaced (CoCr / Stellite) seat face; nitrided stem
- **Testing:** EN 12266-1 (DIN 3230)

Under EN 12266-1, the hydrostatic shell test is carried out at 1.5 times the valve's allowable pressure (PS) at 20 °C and the seat test at 1.1 times PS. The values below apply to material groups in which PS equals PN:

Nominal pressure	Shell test	Seat test
PN 16	2.4 MPa (24 bar)	1.76 MPa (17.6 bar)
PN 25	3.75 MPa (37.5 bar)	2.75 MPa (27.5 bar)
PN 40	6.0 MPa (60 bar)	4.4 MPa (44 bar)
PN 64	9.6 MPa (96 bar)	7.04 MPa (70.4 bar)