

Globe Valves (DIN)

Design

- Forged or casted body and bonnet
- Bolted bonnet (BB)
- Rising stem (RS), outside screw and yoke (OS&Y)
- Seats are integral or welded on

Applications

- Power plant, Chemical, Petrochemical, Refining

Media

- Depending on the valve materials: water, steam, gas, oil and oil derivatives and other non aggressive media

Advantages

- Long service life
- Respect to emission standards
- Easy handling and maintenance
- Stem packing replacement in working conditions

Materials

- Carbon, heat resistant alloy and stainless steels

Pressure and temperature

- Pressure up to 160 bar
- Temperature up to 600 °C

Options

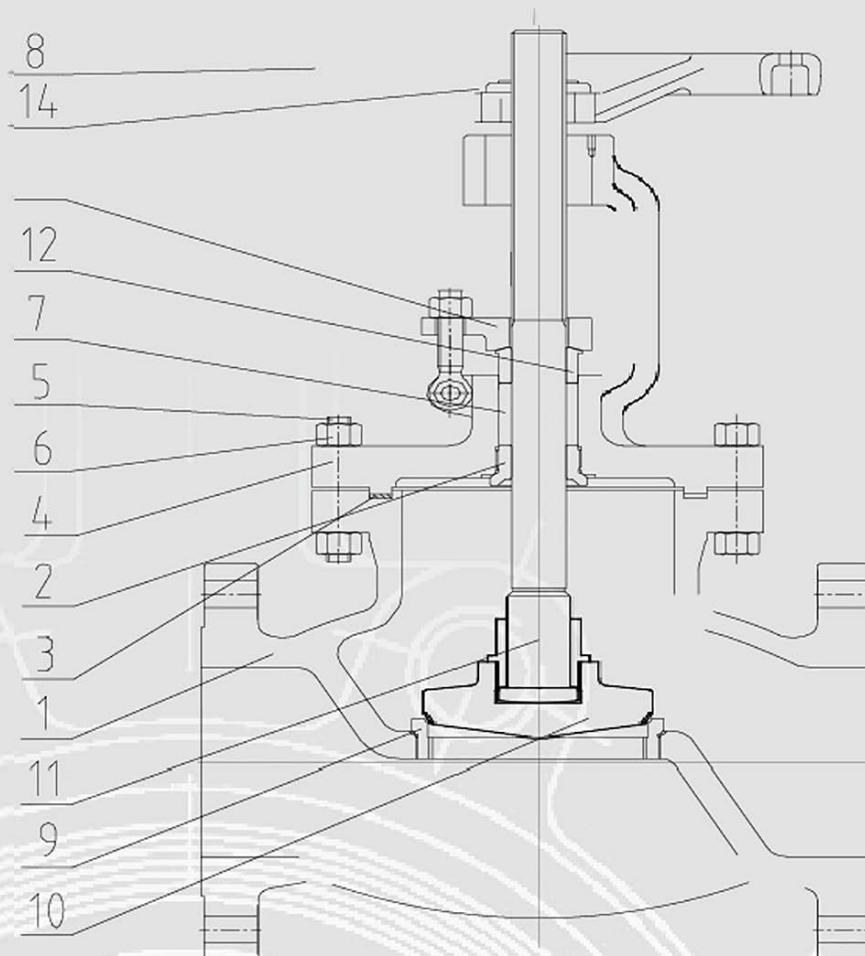
- Electric, hydraulic or pneumatic actuator
- Y-Type
- Angle type
- Position indicator
- Extended stem
- Inside screw rising stem (IS&RS)
- Spring loaded stuffing box (SLSB)
- Locking device
- Seats and sealings made of elastomeric and polymeric materials
- Flanges and welding ends according to : GOST, DIN, ASME, etc,
- Other paint finishes are available upon customer's request
- Valve complete with counter flanges, bolting and gaskets

Testing

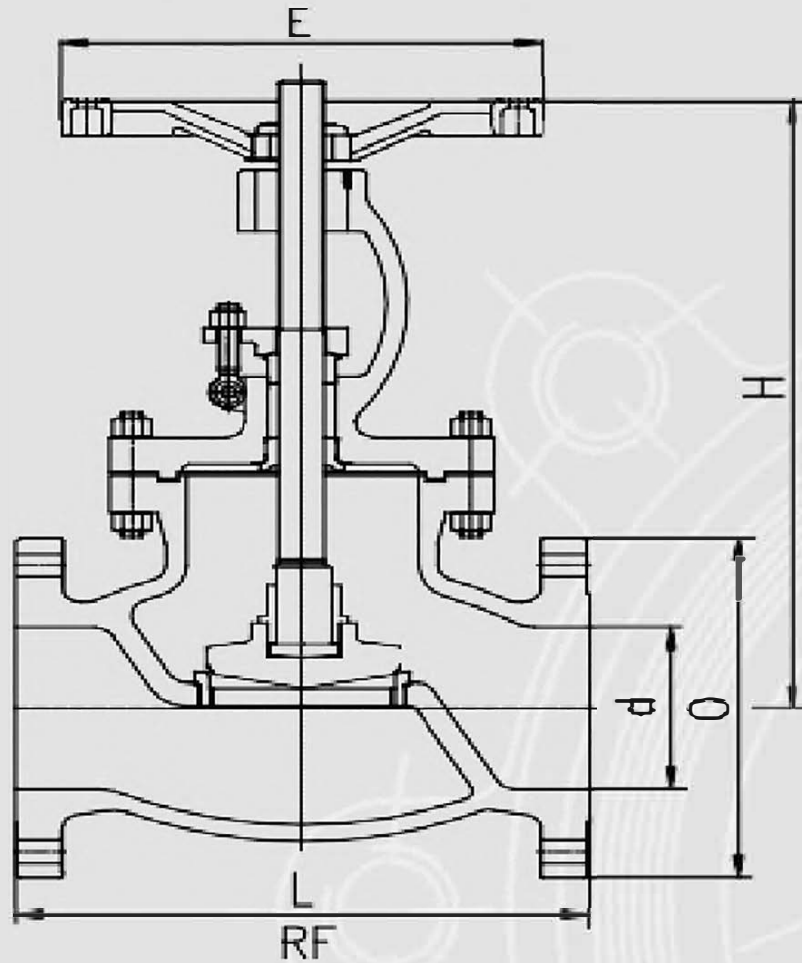
- Every produced valve was tested according to EN 12266

Globe valve according to. EN13709	PN10 ÷ PN160
Face-to-face (FTF) and End-to-end (ETE) dimensions acc. to	EN558
Flanged ends according to	EN1092-1
Welding ends according to	EN 12627
Tested according to	EN 12266





NO.	Parts	Materials	Low Temp. Service	High Temp. Service	Stainless Steel
1		Standard	A352 LCB	A217 WC6	A351 CF8M
2	Body	A216 WCB	A182 F304	A182 F304	A182 F316
3	Backseat	A182 F6a	Graphite + 304	Graphite + 304	Graphite + 304
4	Bonnet Gasket	Graphite + 304	A352 LCB	A217 WC6	A351 CF8M
5	Bonnet	A216 WCB	A320 L7	A193 B16	A193 B7M
6	Bonnet bolt	A193 B7	A194 4	A194 4	A194 2HM
7	Bonnet Nut	A194 2H	Flexible Graphite+304	Flexible Graphite+304	Flexible Graphite+304
8	Packing	Flexible Graphite+304	Cast Iron	Cast Iron	Cast Iron
9	Handwheel	Cast Iron	A182 LF2	A182 F11	A182 F316
10	Seat	A105	A182 LF2	A182 F11	A182 F316
11	Disc	A105	A182 F304	A182 F6a	A182 F316
12	Stem	A182 F6a	A276 410	A276 304	A276 304
13	Gland	A276 410	CS	CS	CS
14	Gland Flange	CS	A439 D2 / Bronze	A439 D2 / Bronze	A439 D2 / Bronze
15	Stem Nut	A439 D2 / Bronze			



DN (mm)		50	65	80	100	150	200	250	300	350	400
L(mm)		230	290	310	350	480	600	730	850	980	1100
PN16	H(mm)	305	354	402	437	541	699	815	914	1189	1350
	E(mm)	200	250	250	300	350	400	550	600	560	650
	Weights (kg)	20	25	35	50	100	210	446	648	805	1050
PN25	H(mm)	325	363	415	453	556	744	864	948	1269	1450
	E(mm)	200	250	250	300	350	400	550	600	560	650
	Weights (kg)	22	27	38	55	105	220	450	660	810	1100
PN40	H(mm)	325	370	430	480	589	783	888	965	1285	1512
	E(mm)	200	250	250	350	500	560	600	650	610	610
	Weights (kg)	24	30	41	60	110	225	460	670	830	1120
DN (mm)		50	65	80	100	150	200	250	300	350	400
L(mm)		300	340	380	430	550	650	775	900	1025	1150
PN63	H(mm)	305	354	402	437	541	699	815	914	1189	1350
	E(mm)	250	250	350	450	560	600	700	610	610	610
	Weights (kg)	26	33	45	65	120	230	470	680	850	1130
PN100	H(mm)	325	363	415	453	556	744	864	948	1269	1450
	E(mm)	350	350	450	500	610	610	610	610	610	610
	Weights (kg)	27	34	46	67	125	235	480	690	860	1150