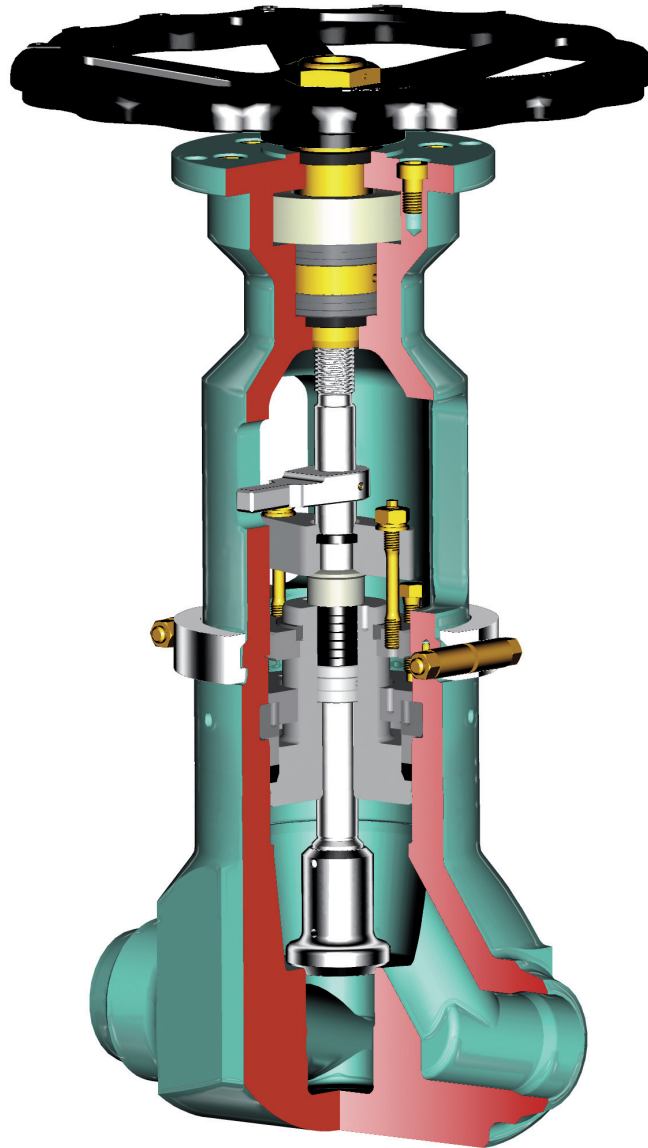


▪ **Globe valves** ▪ High pressure globe valve DVA ▪ 200 AZ/BZ ▪ PD 25 ▪ DN 80-200



Range of application

Admissible operating pressure [bar] at design temperature [°C] ¹⁾

Material	PD	120	150	200	250	300	350	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	
1.0460	25	250	250	235	206	184	155	125	119	113	107	102	96	85	71	58													
1.5415	25	300	300	280	258	221	213	206	205	203	202	200	199	197	196	194	170	132	101	79	64								
1.7335	25	300	300	300	294	272	258	243	240	237	234	231	228	227	225	224	222	202	170	134	109	88	69	57	46	65	56	49	
1.7380	25	300	300	300	300	294	272	258	255	252	249	246	243	240	237	234	224	199	174	152	132	115	100	85	75				
1.6368	25	410	410	410	410	410	410	410	410	410	410	402	360	309	257	205	153	102											
1.4903	25	425	425	425	425	425	425	425	425	425	425	425	425	425	425	418	383	372	344	316	290	263	238	213	191	169	150	132	

1) Operating temperature = design temperature minus temperature surcharge acc. to DIN regulations.

▪ **Globe valves** ▪ High pressure globe valve DVA ▪ 200 AZ/BZ ▪ PD 25 ▪ DN 80-200

Standard features

- Die-forged valve body and bonnet
- Pressure sealing bonnet acc. to VGB-guidelines
- Shut off disc = 200 AZ
- Throttle disc = 200 BZ
- Body seat welded on integratedly
- Outside screw and yoke
- Position indicator
- Yoke sleeve supported at the top and the bottom
- By means of needle bearings
- Universal valve head for mounting actuators

Pressure and temperature ratings

- Pressure rating up to 425 bar
- Temperature rating up to +600° C

Materials

- 1.0460
- 1.5415
- 1.7335
- 1.7380
- 1.6368
- 1.4903

Further materials, e.g. **F92** on request

Fields of application

High temperature steam and water, Refining (Catalytic reformers and Hydr crackers), Petrochemical and Chemical Industries

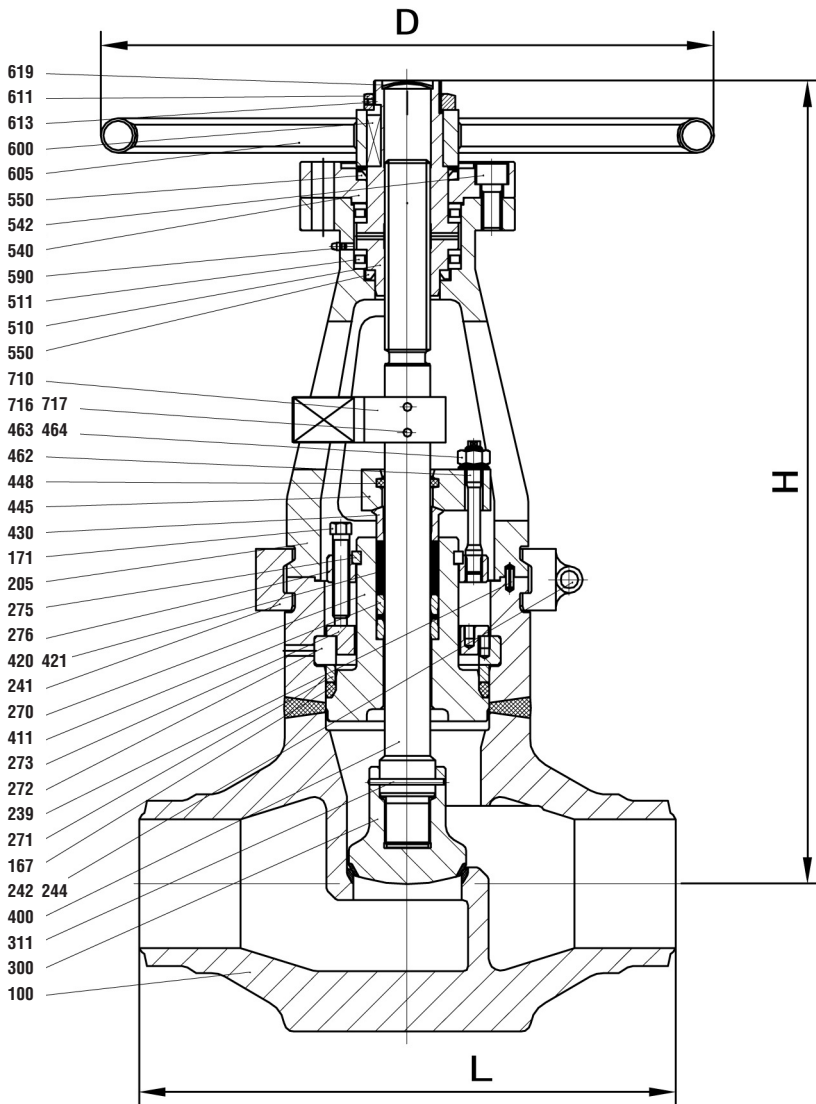
Design Highlights

- Valve body made of forged steel
- Pressure sealing bonnet
- Body seat welded on integratedly
- Bolted bonnet with reduced-shaft bolts
- Polished stem shaft with a surface roughness of max 2 µm
- Yoke sleeve made of bronze
- Cup spring above the upper needle bearing
- Valve head equipped with dirt scrapers below and above the bearings

Benefits

- Free from porosity and shrink holes
- Acc. to VGB-guidelines
- No pressed in or screwed seat, ring, therefore no crevice corrosion or loosening
- To improve the stress capability when temperature and pressure fluctuate
- Minimum wear to the gland packing compared with ground stem surfaces
- Good emergency running properties
- To maintain the necessary closing forces when dimensions change between stem and yoke arms due to thermal fluctuation. Also to protect against excess torsion when electric acutators are fitted
- To protect against dirt and to avoid the loss of lubricants

■ **Globe valves** ■ High pressure globe valve DVA ■ 200 AZ/BZ ■ PD 25 ■ DN 80-200



■ **Globe valves** ■ High pressure globe valve DVA ■ 200 AZ/BZ ■ PD 25 ■ DN 80-200

Materials							
Pos.	Component	1.0460 (21)	1.5415 (42)	1.7335 (44)	1.7380 (45)	1.6368 (46)	1.4903 (63)
100	Body welded on with	1.0460 Stellite	1.5415 Stellite	1.7335 Stellite	1.7380 Stellite	1.6368 Stellite	1.4903 Stellite
167	▶ Gasket	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
171	Stud	1.7709	1.7709	1.7709	1.7709	1.7709	1.7709
205	Bonnet	1.5415	1.5415	1.5415	1.5415	1.5415	1.5415
239	Tension pin	1.0904	1.0904	1.0904	1.0904	1.0904	1.0904
241	Clamp	1.5415	1.5415	1.5415	1.5415	1.5415	1.5415
242	Screw bolt	1.7709	1.7709	1.7709	1.7709	1.7709	1.7709
244	Hexagonal nut	1.7258	1.7258	1.7258	1.7258	1.7258	1.7258
270	Cover	1.0460	1.5415	1.7335	1.7380	1.6368	1.4903
271	Ring	1.0460	1.5415	1.7335	1.7380	1.6368	1.4903
272	Segment ring	1.0460	1.5415	1.7335	1.7380	1.6368	1.4903
273	Cover	1.7380	1.7380	1.7380	1.7380	1.6368	1.7380
275	Ring	1.7380	1.7380	1.7380	1.7380	1.6368	1.4903
276	Flange	1.7380	1.7380	1.7380	1.7380	1.6368	1.4903
300	▶ Flat disc welded on with	1.0460 Stellite	1.5415 Stellite	1.7335 Stellite	1.7380 Stellite	1.6368 Stellite	1.4903 Stellite
311	▶ Cylindrical pin	1.4571	1.4571	1.4571	1.4571	1.4571	1.4571
400	▶ Stem	1.4021	1.4923	1.4923	1.4923	1.4923	1.4923
411	▶ Guide bush	1.8507	1.8507	1.8507	1.8507	1.8507	1.8507
420	▶ Packing	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
421	▶ Ring	Graphite plait	Graphite plait	Graphite plait	Graphite plait	Graphite plait	Graphite plait
430	Gland ring	1.5415	1.5415	1.5415	1.5415	1.5415	1.5415
445	Gland flange	1.7380	1.7380	1.7380	1.7380	1.6368	1.4903
448	Dirt Scraper	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
462	Stud	1.7709	1.7709	1.7709	1.7709	1.4923	1.4923
463	Washer	St	St	St	St	St	St
464	Hexagonal nut	1.7258	1.7258	1.7258	1.7258	1.4923	1.4923
510	▶ Yoke sleeve	2.0550	2.0550	2.0550	2.0550	2.0550	2.0550
511	▶ Bearing	WLS	WLS	WLS	WLS	WLS	WLS
540	Flange	1.0425	1.0425	1.0425	1.0425	1.0425	1.0425
542	Cylindrical stud	8.8	8.8	8.8	8.8	8.8	8.8
550	▶ Gasket	Viton	Viton	Viton	Viton	Viton	Viton
590	Grease nipple	5.8	5.8	5.8	5.8	5.8	5.8
600	Handwheel	St	St	St	St	St	St
605	Key	1.0060	1.0060	1.0060	1.0060	1.0060	1.0060
611	Handwheel nut	St	St	St	St	St	St
613	Screw pin	45H	45H	45H	45H	45H	45H
619	Cover	St	St	St	St	St	St
710	Switch bracket	1.0425	1.0425	1.0425	1.0425	1.0425	1.0425
716	▶ Tension pin	1.0904	1.0904	1.0904	1.0904	1.0904	1.0904
717	▶ Tension pin	1.0904	1.0904	1.0904	1.0904	1.0904	1.0904
	▶ Spare parts						

Dimensions/mm				
DN	L	H	D	Stroke
80	390	680	450	32
100	450	740	600	40
125	525	900	720	50
150	600	980	900	60
200	750	1150		40

Weights/kg	
DN	BW-Ends
80	125
100	164
125	260
150	375
200	820