

- Gate valves
- High pressure gate valve DSK 10
- 700 JT
- PD 10
- DN 350-700



		Range of application																																		
		Admissible operating pressure [bar] at design temperature [°C] ¹⁾																																		
BW-Version	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	610	620	630	640	650		
1.0425	10	100	100	94	82	74	62	50	48	45	43	41	38	34	28	23																				
1.5415	10	120	120	112	103	88	85	82	82	81	81	80	79	79	78	78	68	53	40	32	25															
1.7335	10	120	120	120	118	109	103	97	96	95	94	92	91	91	90	89	89	81	68	54	44	35	28	23	18											
1.7383	10	120	120	120	120	118	109	103	102	101	99	98	97	96	95	94	89	79	69	61	53	46	40	34	30	26	22	20								
1.4903	10	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	134	122	119	110	101	93	84	76	68	61	54	48	42	37	32	27	24	21		

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

■ **Gate valves** ■ High pressure gate valve DSK 10 ■ 700 JT ■ PD 10 ■ DN 350-700

Standard features

- Split disc gate valve
- Outside screw and yoke
- Non-turning, rising stem
- Yoke sleeve supported by needle bearings
- Pressure sealing bonnet acc. VGB-guidelines
- Easy assembly of an E-actuator

Pressure and temperature ratings

- Pressure rating up to 136 bar
- Temperature rating up to 650 °C

Materials

- 1.0425
- 1.5415
- 1.7335
- 1.7383
- 1.4903

Further materials on request.

Media

Depending on the material the gate valves are suitable for water, gas, oil and other non aggressive media

Fields of application

Chemical industries, power plants, ship building and other

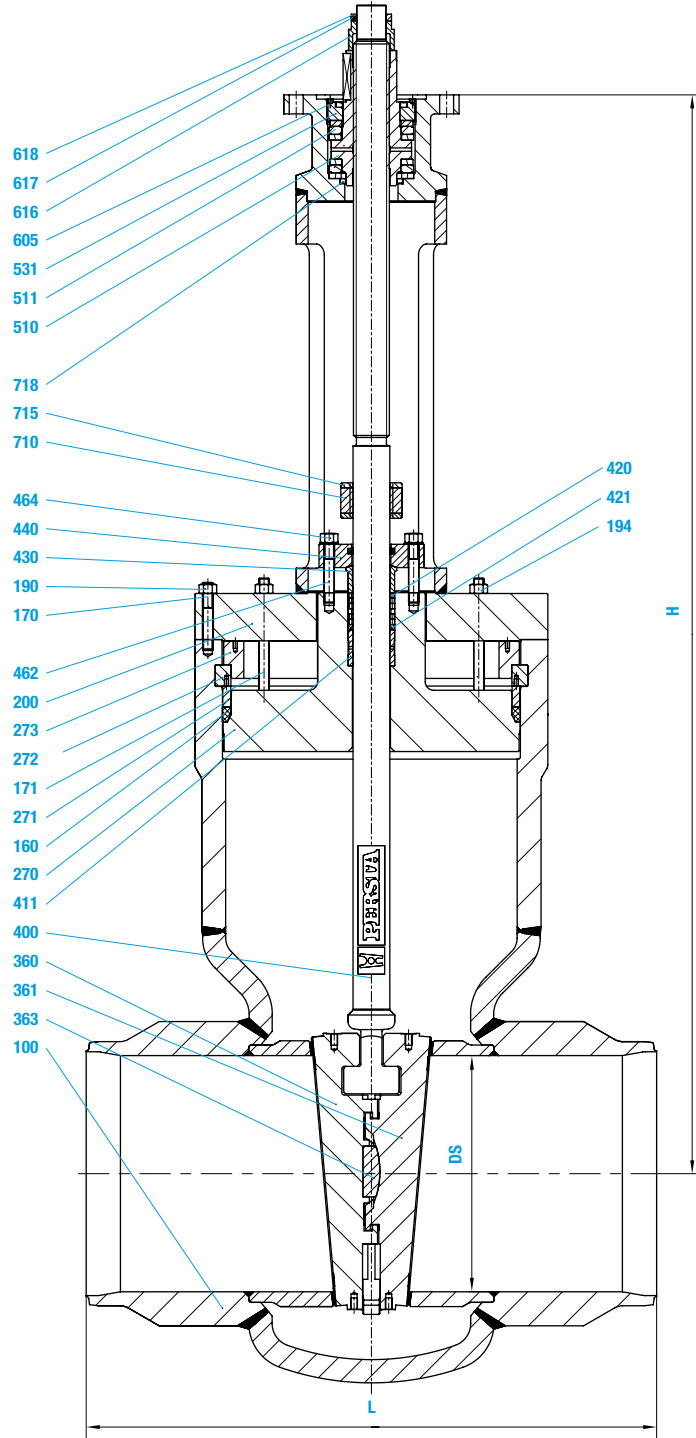
Design Highlights

- Seats and disc faced with stellite
- Non-turning, rising stem
- Gland ring and gland flange in two separate pieces
- Yoke sleeve supported by needle bearing
- Pressure sealed bonnet

Benefits

- Best possible sliding performance, minimum wear
- Minimum wear to the gland packing
- Damage to the stem by irregular tightening of gland bolts is avoided
- Minimize the expenditure of effort when operating valve
- Best possible sealing function

▪ Gate valves ▪ High pressure gate valve DSK 10 ▪ 700 JT ▪ PD 10 ▪ DN 350-700



■ Gate valves ■ High pressure gate valve DSK 10 ■ 700 JT ■ PD 10 ■ DN 350-700

Materials						
Pos.	Component	1.0425 (22)	1.5415 (42)	1.7335 (44)	1.7383 (45)	1.4903 (63)
100	Body welded on with	1.0425	1.5415	1.7335	1.7383	1.4903
		Stellite	Stellite	Stellite	Stellite	Stellite
160	▶ Gasket	Graphite	Graphite	Graphite	Graphite	Graphite
170	Stud	1.7709	1.7709	1.7709	1.7709	1.7709
171	Stud	1.7709	1.7709	1.7709	1.7709	1.7709
190	Hexagonal nut	1.7218	1.7218	1.7218	1.7218	1.7218
194	Hexagonal nut	1.7255	1.7218	1.7218	1.7218	1.7218
200	Bonnet	1.5415	1.5415	1.5415	1.5415	1.5415
270	Cover	1.0460	1.5415	1.7335	1.7383	1.4903
271	Ring	1.0460	1.5415	1.7335	1.7383	1.4903
272	Segmentring	1.0460	1.5415	1.7335	1.7383	1.4903
273	Cover	1.0460	1.0460	1.0460	1.0460	1.0460
360 / 361	▶ Disc welded on with	1.0460	1.5415	1.7335	1.7383	1.4903
		Stellite	Stellite	Stellite	Stellite	Stellite
363	▶ Pressure piece	1.4122	1.4122	1.4122	1.4122	1.4122
400	▶ Stem	1.4021	1.4923	1.4923	1.4923	1.4923 / 1.4980
411	▶ Guide bushing	1.8507	1.8507	1.8507	1.8507	1.8507
420	▶ Packing	Graphite	Graphite	Graphite	Graphite	Graphite
430	Gland ring	1.5415	1.5415	1.5415	1.5415	1.5415
440	Gland flange	1.0460	1.5415	1.7335	1.7383	1.7383
462	Stud	1.7709	1.7709	1.7709	1.7709	1.7709
464	Hexagonal nut	1.7218	1.7218	1.7218	1.7218	1.7218
510	▶ Yoke sleeve	CW 713 R	CW 713 R	CW 713 R	CW 713 R	CW 713 R
511	▶ Bearing	WLSi	WLSi	WLSi	WLSi	WLSi
531	Yoke nut	1.7335	1.7335	1.7335	1.7335	1.7335
605	Key	1.0060	1.0060	1.0060	1.0060	1.0060
616	Screw pin	1.0460	1.0460	1.0460	1.0460	1.0460
617	Screw pin	45H	45H	45H	45H	45H
618	Hexagonal nut	St	St	St	St	St
710	Switch bracket	1.0425	1.0425	1.0425	1.0425	1.0425
715	Key	1.4021	1.4021	1.4021	1.4021	1.4021
718	Washer	1.0038	1.0038	1.0038	1.0038	1.0038

▶ Spare parts

Dimensions/mm				
DN	DS	L	H	Stroke
350	330	850	1730	365
400	375	950	1850	415
450	419	1050	2070	465
500	464	1150	2300	515
600	559	1350	2765	625
700	640	1550	2895	690

Weights/kg and Kvs-values		
DN	BW	Kvs (m ³ /h)
350	995	11243
400	1600	14521
450	2000	18105
500	2490	22353
600	4550	32188
700	5750	41773