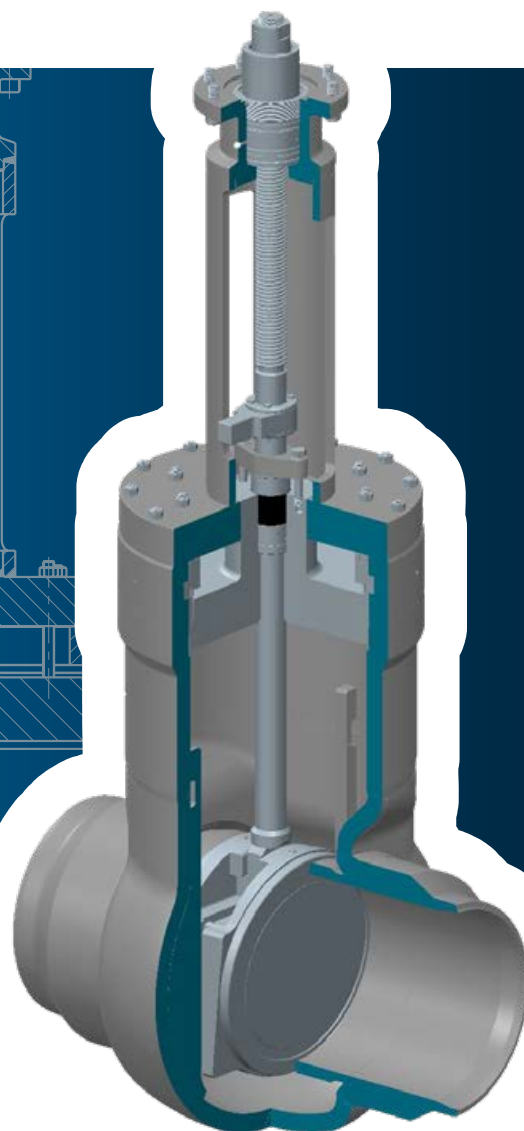


ASME

version
available

HIGH PRESSURE GATE VALVE

DSK 10 700 JT PD 10 DN 350-700



Design highlights

- Seat armoured with Stellite
- Non-rotating, rising stem
- Gland in two separate pieces
- Needle bearing yoke sleeve
- Pressure sealing bonnet

Advantages

- Lasting effective impermeability at closure
- Minimum packing wear
- Avoids stem damage due to uneven tightening of packing bolts
- Reduced force needed to open and close the valve
- Increasing external impermeability as operating pressure rises

Version

- Flexible wedge gate
- Welded steel plate body
- External stem thread
- Non-rotating, rising stem
- Needle bearing yoke sleeve
- Pressure sealing bonnet as per VGB guidelines
- Suitable for mounting electric actuators

Materials

- 1.0425
- 1.5415
- 1.7335
- 1.7383

Other materials available on request.

Flow medium

Depending on the choice of materials, the gate valves can be used for water, steam, oil or other non-aggressive media.

Applications

In chemical, industrial and power plants, and in shipbuilding.

Operating data

- Operating pressure up to 120 bar
- Operating temperature up to 600 °C

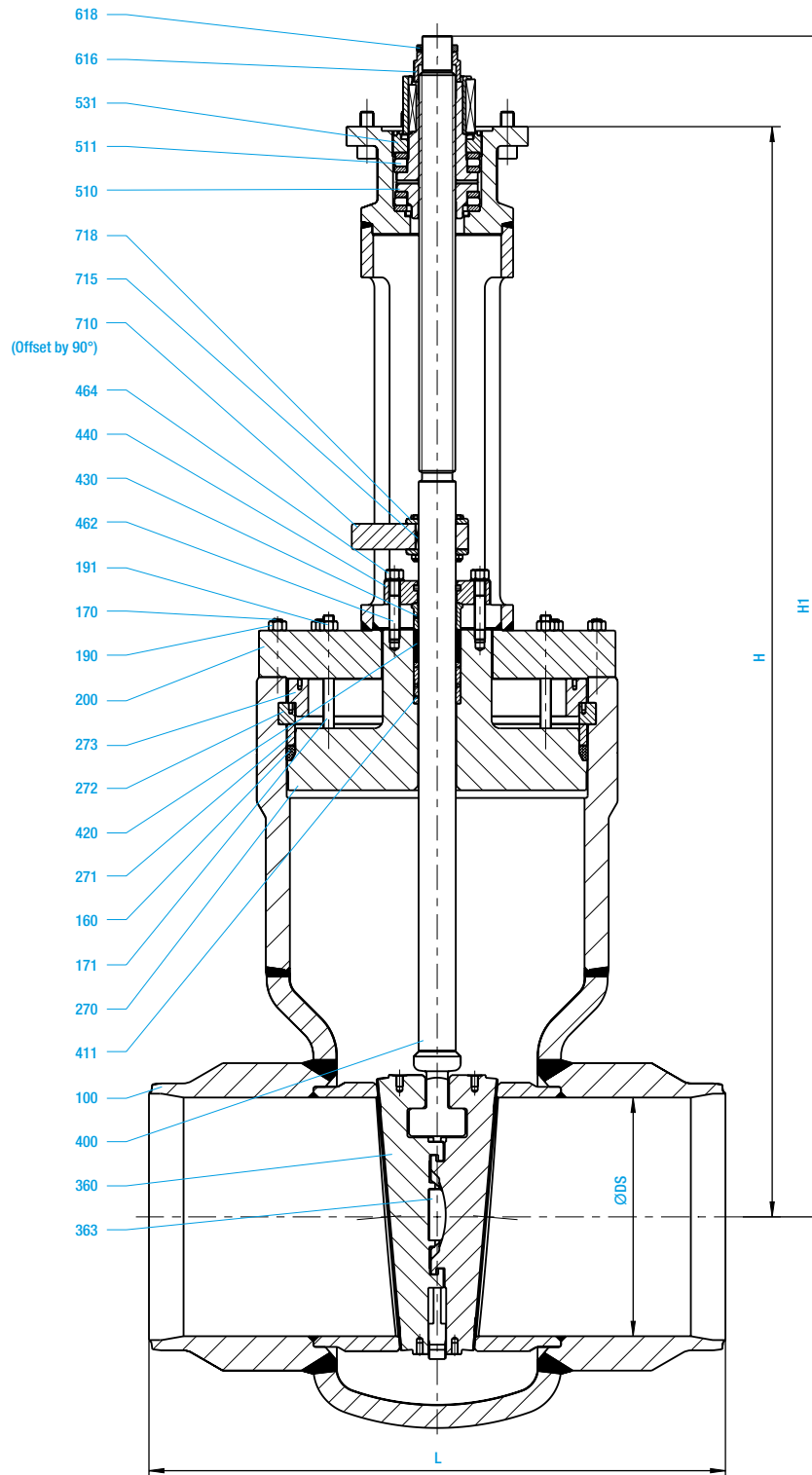
Area of application

Permissible operating pressure [bar(g)] at calculation temperature [°C] ¹⁾

Material	PD	20	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
1.0425	10	100	100	100	94	82	74	62	50	48	45	43	41	38	34	28	23												
1.5415	10	120	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	120	118	109	103	97	96	95	94	92	91	91	90	89	89	81	68	54	44	35	28	23	18			
1.7383 ²⁾	10	120	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) Operating temperature = calculation temperature minus temperature surcharge according to the standard codes.

2) For temperatures > 570 °C, stem material 1.4980, seat armoured with Stellite, and high-temperature packing.



Materials

Item	Designation	1.0425 (22)	1.5415 (42)	1.7335 (44)	1.7383 (45)
100	Body	1.0425	1.5415	1.7335	1.7383
	Body seat	Stellite	Stellite	Stellite	Stellite
160	Gasket	Graphite	Graphite	Graphite	Graphite
170	Bolt	1.7709	1.7709	1.7709	1.7709
171	Clamping screw	1.7709	1.7709	1.7709	1.7709
191	Hexagonal nut	1.7218	1.7218	1.7218	1.7218
194	Hexagonal nut	1.7218	1.7218	1.7218	1.7218
200	Bonnet	1.5415	1.5415	1.5415	1.5415
270	Cover	1.0460	1.5415	1.7335	1.7383
271	Support ring	1.0460	1.5415	1.7335	1.7383
272	Segment ring	1.0460	1.5415	1.7335	1.7383
273	Support cap	1.0460	1.0460	1.0460	1.0460
360	Disc	1.0460	1.5415	1.7335	1.7383
	Disc seat	Stellite	Stellite	Stellite	Stellite
363	Pressure piece	1.4122	1.4122	1.4122	1.4122
400	Stem	1.4021	1.4923	1.4923	1.4923
411	Guide sleeve	1.8507	1.8507	1.8507	1.8507
420	Packing	Graphite	Graphite	Graphite	Graphite
430	Gland	1.5415	1.5415	1.5415	1.5415
440	Gland flange	1.0460	1.5415	1.7335	1.7383
462	Bolt	1.7709	1.7709	1.7709	1.7709
464	Hexagonal nut	1.7218	1.7218	1.7218	1.7218
510	Yoke sleeve	CW 713 R	CW 713 R	CW 713 R	CW 713 R
511	Anti-friction bearing	WLSt	WLSt	WLSt	WLSt
531	Threaded connection	1.7335	1.7335	1.7335	1.7335
616	Lift stop	1.0460	1.0460	1.0460	1.0460
618	Hexagonal nut	St	St	St	St
710	Anti-rotation device	1.0425	1.0425	1.0425	1.0425
715	Key	1.4021	1.4021	1.4021	1.4021
718	Washer	1.0038	1.0038	1.0038	1.0038

Spare parts

Dimensions/mm

DN	ØDS	L	H	H1	Stroke length	Rev/stroke	DIN/ISO 5210
350	330	850	1590	1700	365	46	F16
400	375	950	1700	1875	415	46	F25/F30
450	419	1050	1890	2075	465	47	F25/F30
500	464	1150	2110	2300	515	52	F25/F30
600	559	1350	2555	2765	625	52	F30/F35
700	640	1550	2710	2910	690	58	F30/F35

Weights/kg and Kvs value m³/h

DN	Butt-weld ends	Kvs [m³/h]
350	1054	11243
400	1371	14521
450	2000	18105
500	2740	22353
600	4614	32188
700	5835	41773