

▪ Gate valves ▪ Gate valve ▪ 700 HJ/JJ (GA) ▪ PN 10-40 ▪ PN 10-100 ▪ DN 50-150



ASME
version
available



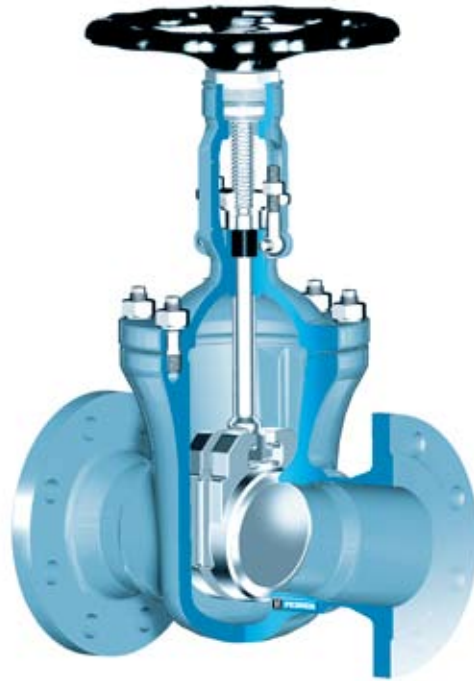
Pressure rate table acc. DIN 2401

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

Material	PN	-60	-10	20	120	150	200	250	300	350	400	425	450	475	500	510	520	530	540	550		
1.0619	16	16,0	16,0	16,0	15,0	14,0	13,0	11,0	10,0	8,0												
	25	25,0	25,0	25,0	23,0	22,0	20,0	17,0	16,0	13,0												
	40	40,0	40,0	40,0	37,0	35,0	32,0	28,0	24,0	21,0												
1.0460	10 ²⁾	10,0	10,0	10,0	9,6	8,8	8,1	6,9	6,3	5,0												
	16	16,0	16,0	16,0	15,3	14,0	13,0	11,0	10,0	8,0												
	25	25,0	25,0	25,0	23,9	22,0	20,0	17,0	16,0	13,0												
	40	40,0	40,0	40,0	38,1	35,0	32,0	28,0	24,0	21,0												
	63	63,0	63,0	63,0	58,1	50,0	45,0	40,0	36,0	32,0												
100	100,0	100,0	100,0	92,5	80,0	70,0	60,0	56,0	50,0													
1.0566 ³⁾⁴⁾	10 ²⁾	10,0	10,0	10,0	10,0	9,0	8,0	7,0														
	16 ²⁾	16,0	16,0	16,0	16,0	15,0	14,0	13,0	11,0													
	25 ²⁾	25,0	25,0	25,0	25,0	24,0	22,0	20,0	17,0													
	40 ²⁾	40,0	40,0	40,0	40,0	39,0	35,0	31,0	28,0													
	63 ²⁾	63,0	63,0	63,0	63,0	61,0	55,0	49,0	44,0													
	100 ²⁾	100,0	100,0	100,0	100,0	96,0	88,0	79,0	70,0													
1.5415	10 ²⁾	10,0	10,0	10,0	10,0	10,0	10,0	8,8	8,0	7,6	7,2	6,8										
	16 ²⁾	16,0	16,0	16,0	16,0	16,0	16,0	14,1	12,8	12,2	11,5	10,9										
	25	25,0	25,0	25,0	25,0	25,0	25,0	22,0	20,0	19,0	18,0	17,0										
	40	40,0	40,0	40,0	40,0	40,0	40,0	35,0	31,0	30,0	29,0	28,0										
	63	63,0	63,0	63,0	63,0	63,0	63,0	56,0	50,0	47,0	46,0	45,0										
100	100,0	100,0	100,0	100,0	100,0	100,0	87,0	78,0	74,0	72,0	70,0											
1.7335	10 ²⁾	10,0	10,0	10,0	10,0	10,0	10,0	9,6	9,2	8,8	8,4	8,0	7,2	6,0	4,8	3,6						
	16 ²⁾	16,0	16,0	16,0	16,0	16,0	16,0	15,4	14,7	14,1	13,4	12,8	11,5	9,6	7,7	5,8						
	25	25,0	25,0	25,0	25,0	25,0	25,0	24,0	23,0	22,0	21,0	20,0	18,0	15,0	12,0	9,0						
	40	40,0	40,0	40,0	40,0	40,0	40,0	38,0	36,0	35,0	34,0	33,0	29,0	24,0	19,0	15,0						
	63	63,0	63,0	63,0	63,0	63,0	63,0	61,0	58,0	57,0	56,0	53,0	47,0	40,0	32,0	25,0						
100	100,0	100,0	100,0	100,0	100,0	100,0	95,0	91,0	89,0	87,0	82,0	74,0	62,0	49,0	38,0							
1.7383	10 ²⁾	10,0	10,0	10,0	10,0	10,0	10,0	9,5	9,1	8,9	8,7	8,3	7,4	6,3	5,0	4,4	3,8	3,3				
	16 ²⁾	16,0	16,0	16,0	16,0	16,0	16,0	15,2	14,6	14,2	13,9	13,2	11,8	10,0	7,9	7,0	6,0	5,2				
	25 ²⁾	25,0	25,0	25,0	25,0	25,0	25,0	23,8	22,8	22,3	21,8	20,6	18,4	15,6	12,4	10,9	9,4	8,1				
	40 ²⁾	40,0	40,0	40,0	40,0	40,0	40,0	38,0	36,4	35,6	34,8	33,0	29,5	25,0	19,8	17,4	15,1	13,0				
	63 ²⁾	63,0	63,0	63,0	63,0	63,0	63,0	60,8	58,2	57,0	55,7	52,8	47,2	40,0	31,7	27,8	24,2	20,8				
100 ²⁾	100,0	100,0	100,0	100,0	100,0	100,0	95,0	91,0	89,0	87,0	82,5	73,8	62,5	49,5	43,5	37,8	32,5					

1) Operating temperature = design temperature minus temperature surcharge acc. to DIN regulations.
 2) Pressure rating not applicable in design code
 3) In case of stainless steel bolts (DIN material code A4-70) with > 8 x d bolt length the strength characteristics acc. to table 6 of DIN 267 part 11 have been considered.
 4) At temperature > 50 °C only applicable for short time service.

▪ Gate valves ▪ Gate valve ▪ 700 HJ/JJ (GA) ▪ PN 10-40 ▪ PN 10-100 ▪ DN 50-150



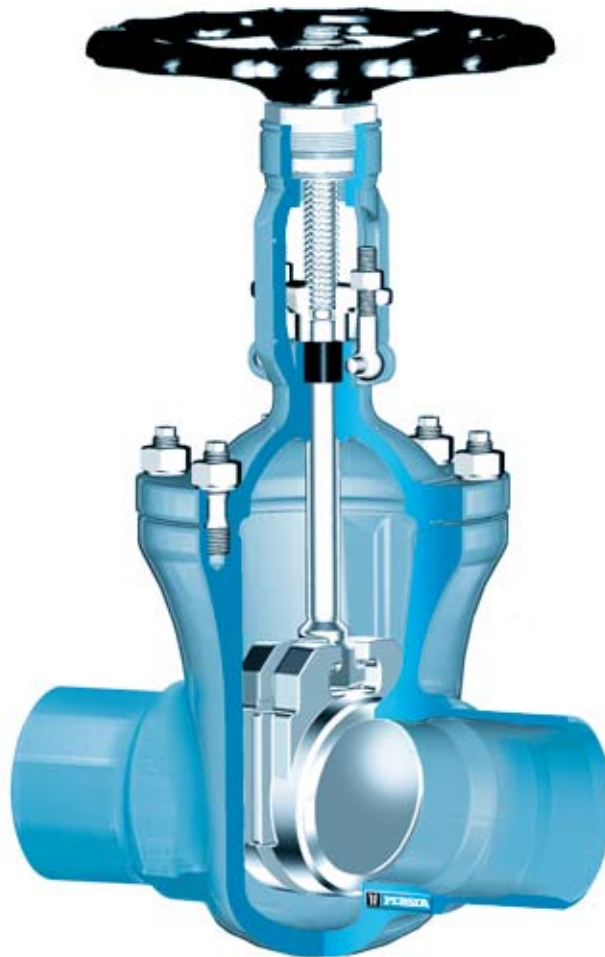
Pressure rate table acc. DIN EN 1092-1

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

Material	PN	-10	20	50	100	150	200	250	300	350	400	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600		
1.0619	16	160	160	160	148	140	133	121	110	102	95	52																	
	25	250	250	250	232	220	208	190	172	160	148	82																	
	40	400	400	400	371	352	333	304	276	257	238	131																	
1.0460	10	100	100	100	92	88	83	76	69	64	59	32																	
	16	160	160	160	148	140	133	121	110	102	95	52																	
	25	250	250	250	232	220	208	190	172	160	148	82																	
	40	400	400	400	371	352	333	304	276	257	238	131																	
	63	630	630	630	585	555	525	480	435	405	375	207																	
100	1000	1000	1000	928	880	833	761	690	642	595	328																		
1.5415	10	100	100	100	100	100	100	97	85	80	74	69	64	59	54	49	44	35	28	22									
	16	160	160	160	160	160	160	156	137	129	119	110	102	94	86	78	70	56	44	35									
	25	250	250	250	250	250	250	244	214	202	186	172	160	147	135	123	110	88	70	55									
	40	400	400	400	400	400	400	390	342	323	299	276	256	236	216	197	177	140	112	89									
	63	630	630	630	630	630	630	615	540	510	471	435	403	372	341	310	279	222	177	141									
100	1000	1000	1000	1000	1000	1000	976	857	809	747	690	640	591	542	492	442	352	280	223										
1.7335	10	100	100	100	100	100	100	100	95	90	84	80	76	72	68	65	55	44	37	29	23	19	15						
	16	160	160	160	160	160	160	160	152	144	134	128	121	115	108	104	88	71	59	46	37	30	25						
	25	250	250	250	250	250	250	250	238	225	210	200	190	180	170	163	138	111	93	72	58	47	39						
	40	400	400	400	400	400	400	400	380	360	337	320	304	288	272	260	220	179	148	116	93	76	62						
	63	630	630	630	630	630	630	630	600	567	531	505	479	454	428	411	348	282	234	183	147	120	99						
100	1000	1000	1000	1000	1000	1000	1000	952	900	842	802	761	720	680	652	552	447	371	290	233	190	157							
1.7383	10	100	100	100	100	100	100	100	97	92	88	83	78	73	69	64	56	49	42	37	32	27	24	20	18	16			
	16	160	160	160	160	160	160	160	156	148	140	133	125	118	110	102	89	78	68	59	51	44	38	33	28	25			
	25	250	250	250	250	250	250	250	244	232	220	208	196	184	172	160	140	122	107	92	80	69	60	52	45	40			
	40	400	400	400	400	400	400	400	390	371	352	333	314	295	276	257	224	196	171	148	129	110	97	83	72	64			
	63	630	630	630	630	630	630	630	615	585	555	525	495	465	435	405	354	309	270	234	204	174	153	132	114	102			
100	1000	1000	1000	1000	1000	1000	1000	976	928	880	833	785	738	690	642	561	490	428	371	323	276	242	209	180	161				

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

▪ Gate valves ▪ Gate valve ▪ 700 HJ/JJ (GA) ▪ PN 10-40 ▪ PN 10-100 ▪ DN 50-150



Pressure rate table only valid for buttweld ends

		Admissible operating pressure [bar] at design temperature [°C] ¹⁾																															
Material	PD	-60	-10	20	100	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	10		1000	1000	1000	1000	940	820	740	642	595	480	450	430	410	380	340	280	230														
1.0566 ²⁾³⁾	10	1000	1021	1021	1000	960	880	790	700																								
1.5415	10		1200	1200	1200	1200	1120	1030	880	850	820	820	810	810	800	790	790	780	780	680	530	400	320	250									
1.7335	10		1200	1200	1200	1200	1200	1180	1090	1030	970	960	950	940	920	910	910	900	890	890	810	680	540	440	350	280	230	180					
1.7383	10		1200	1200	1200	1200	1200	1200	1180	1090	1030	1020	1010	990	980	970	960	950	940	890	790	690	610	530	460	400	340	300	260	220	200		

1) Operating temperature = design temperature minus temperature surcharge acc. to DIN regulations.
 2) At temperatures > 50 °C only applicable for short time service.
 3) In case of stainless steel bolts (DIN material code A4-70) with > 8 x d bolt length the strength characteristics acc. to table 6 of DIN 267 part 11 have been considered.

▪ **Gate valves** ▪ **Gate valve** ▪ **700 HJ/JJ (GA)** ▪ **PN 10-40** ▪ **PN 10-100** ▪ **DN 50-150**

Standard features

- Split disc gate valve / 2 disc-design = Type JJ
- Wedge gate valve / Flexible wedge design = Type HJ
- Die-forged body and bonnet
- Full bore, exception DN 65/50 and DN 125/100
- Outside screw and yoke
- Non turning, rising stem
- Yoke sleeve
- Available with flange and buttweld ends

Option standard features GA

- Wedge gate valve / Flexible wedge design
- Inside screw
- Non-rising turning stem

Pressure and temperature ratings

- Pressure rating up to 100 bar
- Acc. to PERSTA PD 10 up to 120 bar
- Temperature rating up to 600 °C

Materials

- 1.0460
- 1.0619 just for flange type PN 10-40
- 1.0566
- 1.5415
- 1.7335
- 1.7383

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

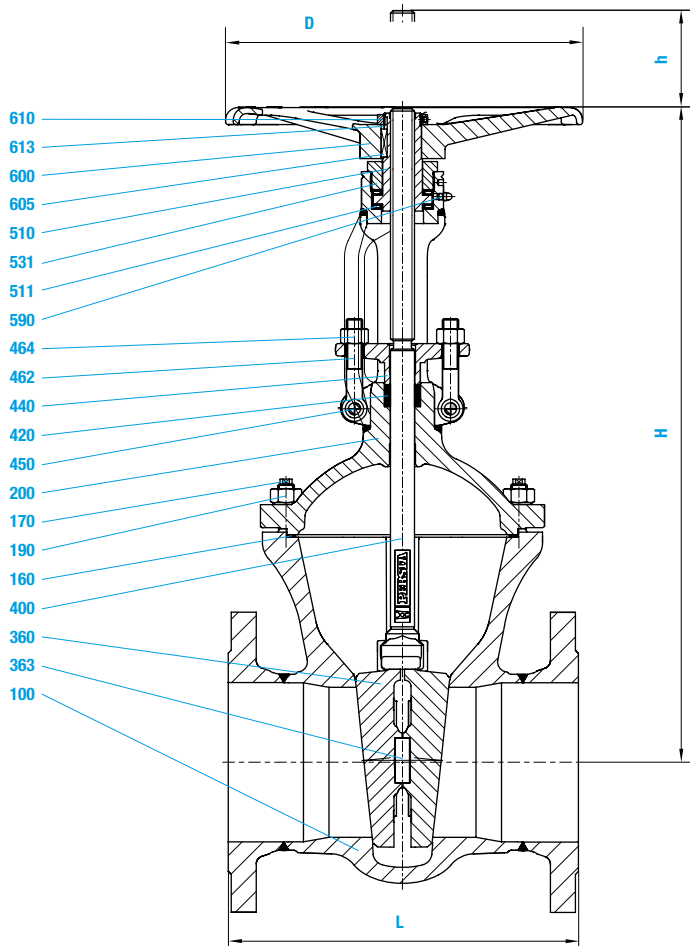
Design Highlights

- The main valve body is one-piece die-forged incorporating the bonnet flange and the guide for the shut-off device
- Hard faced seats (valve body and shut-off device). Hardness app. 35-37 HRC
- Bolted bonnet with reduced shaft bolts
- Full bore, except DN 65/50 and DN 125/100
- Non - turning rising stem
- Type GA, turning non-rising stem

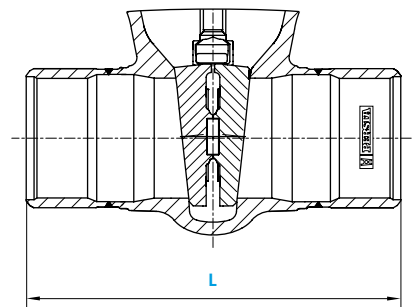
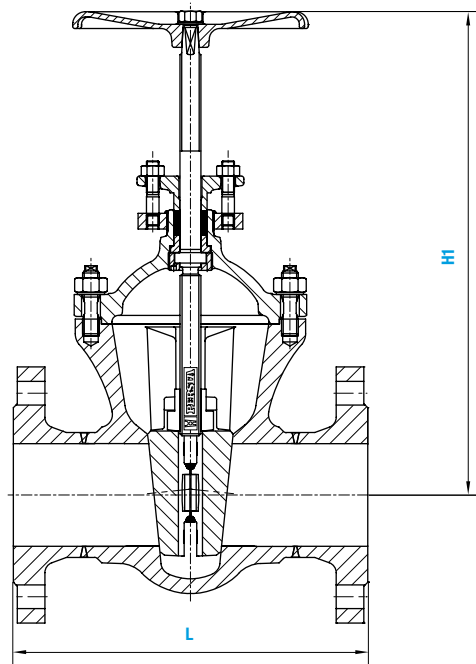
Benefits

- Die-forged parts, compared with cast steel parts are generally free from porosity and shrink holes. The special of the valve body minimizes the existence of welding seams
- Extremely resistant to wear
- To improve the stress capability when temperature and pressure fluctuate
- No reduction in seat area
- Minimum wear to the gland packing compared with ground stem surfaces
- Small dimensions

▪ Gate valves ▪ Gate valve ▪ 700 HJ/JJ (GA ▪ PN 10-40) ▪ PN 10-100 ▪ DN 50-150



700 GA



■ Gate valves ■ Gate valve ■ 700 HJ/JJ (GA ■ PN 10-40) ■ PN 10-100 ■ DN 50-150

Materials							
Pos.	Component	1.0619 (11) PN 10-40	1.0460 (21)	1.0566 (25)	1.5415 (42)	1.7335 (44)	1.7383 (45)
100	Body	1.0619 ¹⁾	1.0460 ¹⁾	1.0566 ¹⁾	1.5415 ²⁾	1.7335 ²⁾	1.7383 ²⁾
160	▶ Gasket	Graphite ⁴⁾	Graphite ⁴⁾	Graphite ⁴⁾	Graphite ⁴⁾	Graphite ⁴⁾	Graphite ⁴⁾
170	Stud	1.7709	1.7709	A4-70	1.7709	1.7709	1.7709
190	Hexagonal nut	1.7218	1.7218	A4-70	1.7218	1.7218	1.7218
200	Bonnet	1.0460	1.0460	1.0566	1.5415	1.7335	1.7383
360	▶ Disc	1.0460 ³⁾	1.0460 ³⁾	1.0566 ³⁾	1.5415 ²⁾	1.7335 ²⁾	1.7383 ²⁾
363	Pressure piece	1.4021	1.4021	1.4021	1.4021	1.4021	1.4021
400	▶ Stem	1.4021	1.4021	1.4571	1.4122	1.4122	1.4122
420	▶ Packing	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
440	Gland flange	1.0460	1.0460	1.4571	1.0460	1.0460	1.0460
450	Grooved pin	St	St	1.4571	St	St	St
462	Eye bolt	1.1181	1.1181	A4-50	1.1181	1.1181	1.1181
464	Hexagonal nut	1.1181	1.1181	A4-70	1.1181	1.1181	1.1181
510	▶ Yoke sleeve	1.0718	1.0718	1.0718	1.0718	1.0718	1.0718
511	▶ Bearing	WLSt	WLSt	WLSt	WLSt	WLSt	WLSt
531	Screwing	1.0718	1.0718	1.0718	1.0718	1.0718	1.0718
590	Grease nipple	5.8	5.8	5.8	5.8	5.8	5.8
600	Handwheel	5.3106	5.3106	5.3106	5.3106	5.3106	5.3106
605	Key	1.0060	1.0060	1.0060	1.0060	1.0060	1.0060
610	Hexagonal nut	St	St	St	St	St	St
613	Screw pin	45H	45H	45H	45H	45H	45H

▶ Spare parts

1) Welded on with Cr17
2) Welded on with Stellite
3) Welded on with 18/8
4) DN 150 grooved with graphite layer

Attention: Ki-Gate-Valve 700 GA only in material 1.0460

Dimensions/mm								Weights/kg and Kvs-values												
PN DN							700 GA		GS-C25N						700 GA				Kvs (m ³ /h)	
	10-25 L	40-100 L	10-40 H	63-100 H	Stroke	10-40 D	63-100 D	H1	10-25 FL	40 FL	10-25 FL	40 FL	63 FL	100 FL	10-40 BW	63-100 BW	10-25 FL	40 FL		10-40 BW
50	250	250	337	337	63	180	180	280	21,5	21,5	19,0	19,0	23,5	26,5	15,0	15,5	19,0	19,0	15,0	258,0
65 / 50	270	290	337	337	63	180	180	280	21,0	21,0	21,0	21,0	26,0	30,5	15,5	16,0	21,0	21,0	28,0	258,0
80	280	310	410	410	90	225	225	345	40,0	40,0	35,0	35,0	40,5	45,0	28,0	31,0	35,0	35,0	28,0	628,0
100	300	350	455	505	110	280	360	405	57,0	61,5	50,0	54,0	63,0	71,0	43,0	47,0	50,0	54,0	43,0	991,0
125 / 100	325	400	455	505	110	280	360	405	53,5	59,0	53,5	59,0	74,0	89,0	45,0	49,0	53,0	59,0	45,0	991,0
150	350	450	655	685	165	360	450	525	114,0	120,0	92,0	98,0	138,0	155,0	80,0	100,0	92,0	98,0	80,0	2323,0

▪ Gate valves ▪ Gate valve ▪ 700 HJ/JJ (GA) ▪ PN 10-40 ▪ DN 200-250



Range of application

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

Material	PN	-60	-10	20	120	150	200	250	300	350	400	450
1.0460	10-16	16	16	16	15	14	13	11	10	8	6	
	25	25	25	25	23,5	22	20	17	16	13	10	
	40	40	40	40	37,5	35	32	28	24	21	10	
1.0566 ²⁾	10-16	16	16	16	15	14	13	11				
	25	25	25	25	24	22	20	17				
	40	40	40	40	38	35	32	28				

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

2) At temperatures > 50 °C only applicable for short-time service.

■ **Gate valves** ■ **Gate valve** ■ **700 HJ/JJ (GA)** ■ **PN 10-40** ■ **DN 200-250**

Standard features

- Split disc gate valve / 2 disc-design = Type JJ
- Wedge gate valve / Flexible wedge design = Type HJ
- Die-forged body and bonnet
- Body with full bore
- Outside screw and yoke
- Non-turning rising stem
- Yoke sleeve
- Available with flange and buttweld ends

Option standard features GA

- Wedge gate valve / Flexible wedge design
- Inside screw
- Non-rising turning stem

Pressure and temperature ratings

- Pressure rating up to 40 bar
- Temperature rating up to 450 °C

Materials

- 1.0460
- 1.0566

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

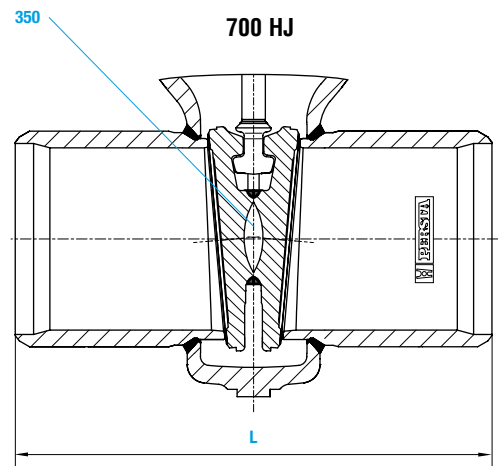
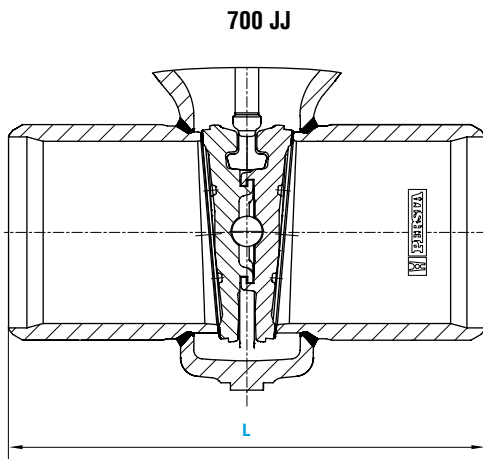
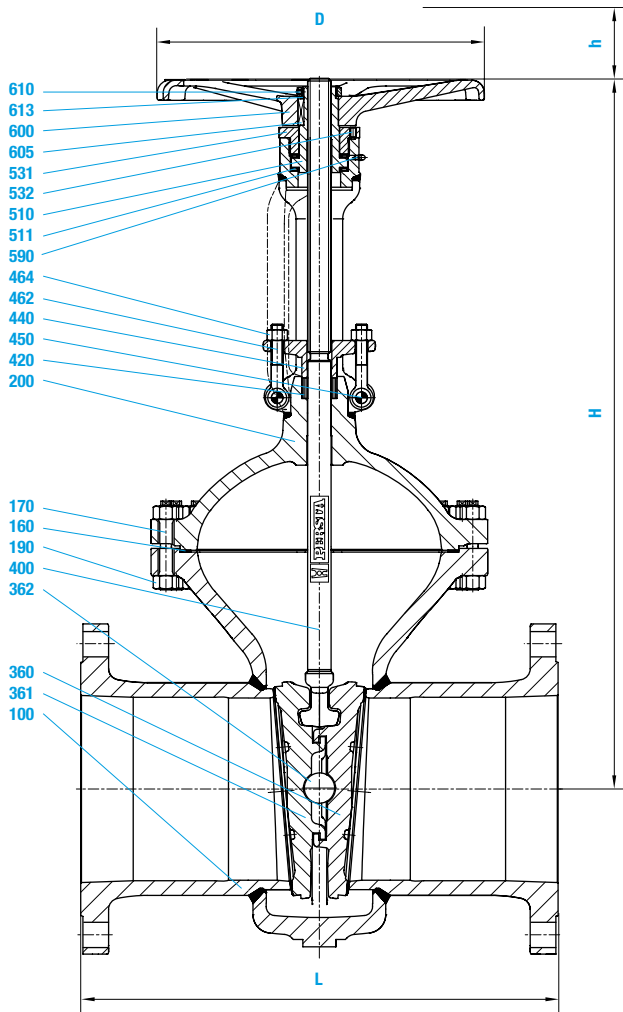
Design Highlights

- Die-forged body and bonnet
- Hard faced seats (valve body and shut-off device)
Hardness app. 35-37 HRC
- Bolted bonnet with reduced shaft bolts
- Full bore
- Non-turning, rising stem
- Type GA, rotating non-rising stem
- Possibility to add an actuator-flange

Benefits

- Free from porosity and shrink holes
- Extremely resistant to wear
- To improve the stress capability when temperature and
pressure fluctuate
- No reduction at seat area
- Minimum wear to the gland packing compared
with ground stem surfaces
- Small dimensions
- Simple retrofitting of an actuator possible without
welding

▪ Gate valves ▪ Gate valve ▪ 700 HJ/JJ (GA) ▪ PN 10-40 ▪ DN 200-250



■ Gate valves ■ Gate valve ■ 700 HJ/JJ (GA) ■ PN 10-40 ■ DN 200-250

Materials			
Pos.	Component	1.0460 (21)	1.0566 (25)
100	Body	1.0460 ³⁾	1.0566 ³⁾
160	▶ Seat ring	Grooved with graphite layer	Grooved with graphite layer
170	Stud	1.1181	A4-70
190	Hexagonal nut	1.1181	A4-70
200	Bonnet	1.0460	1.0566
350	▶ Wedge	1.0460 ⁴⁾	1.0566 ⁴⁾
360 / 361	▶ Disc	1.8507 ⁴⁾	1.0566 ⁴⁾
362	▶ Ball	WLS _t	WLS _t
400	▶ Stem	1.4021 ⁵⁾	1.4571
420	▶ Packing	Graphite	Graphite
440	Gland flange	1.0460	1.4571
450	Pin	St	1.4571
462	Eye bolt	1.1181	A4-50
464	Hexagonal nut	1.1181	A4-70
510	Yoke sleeve	1.0718	1.0718
511	▶ Needle bearing	WLS _t	WLS _t
531	▶ Screwing	1.0718	1.0718
532	Screw pin	45H	45H
590	▶ Grease nipple	5.8	5.8
600	Handwheel	5.3106	5.3106
605	Key	1.0060	1.0060
610	Hexagonal pipe nut	St	St
613	Screw pin	45H	45H
	▶ Spare parts		
	3) Welded on with 18/8		
	4) Welded on with Cr17		
	5) PN 40 DN 250 = 1.4122		
	Further materials on request.		
	Attention: Ki-Gate-Valve 700 GA only in material 1.0460		

Dimensions/mm						
DN	PN 10-25	PN 40	Stroke H	h	PN 10-25	PN 40
	L	L			D	D
200	400	550	810	220	360	450
250	450	650	975	285	450	450
700 GA DN			H1			
200			590			
250			725			

Weights/kg and Kvs-values					
DN	FL PN 10-25	FL PN 40	BW PN 10-25	BW PN 40	Kvs (m ³ /h)
	200	151,5	185	140	
250	285,0	325	245	280	6247
700 GA DN					
200	138,5	170	125	125	4000
250	263,0	303	223	258	6247

▪ Gate valves ▪ Gate valve ▪ 700 HJ/JJ ▪ PN 63-100 ▪ DN 200-300



Range of application

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

Material	PN	-60	-10	20	120	150	200	250	300	350	400	450	475	480	500	510	520	530	540	550	560	570	580	590	600
1.0460	63	63	63	63	58	50	45	40	36	32	21	14	12												
	100	100	100	100	91	80	70	60	56	50	34	21	19												
1.5415	63	63	63	63	63	63	63	56	50	47	45	37	35	29	22	16	14								
	100	100	100	100	100	100	100	87	78	74	70	57	54	45	34	27	22								
1.7335	63	63	63	63	63	63	63	61	58	56	53	51	47	40	32	25	20	16	13	10					
	100	100	100	100	100	100	100	95	91	87	82	80	74	62	49	38	31	24	19	16					
1.7383	63	63	63	63	63	63	63	62	62	60	55	53	47	40	35	28	25	22	18	15	12	11	9		
	100	100	100	100	100	100	100	98	96	94	85	82	74	62	53	43	39	33	27	23	19	17	15		

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

▪ **Gate valves** ▪ **Gate valve** ▪ **700 HJ/JJ** ▪ **PN 63-100** ▪ **DN 200-300**

Standard features

- Split disc gate valve / 2 disc – design type = Type JJ
- Wedge gate valve / flexible wedge-design Type HJ
- Die-forged body and bonnet
- Full bore
- Outside screw and yoke
- Non-turning, rising stem
- Yoke sleeve
- Available with flange and buttweld ends

Pressure and temperature ratings

- Pressure rating up to 100 bar
- Temperature rating up to 600 °C

Materials

- 1.0460
- 1.5415
- 1.7335
- 1.7383

For low temperature service available as casting.
Other 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

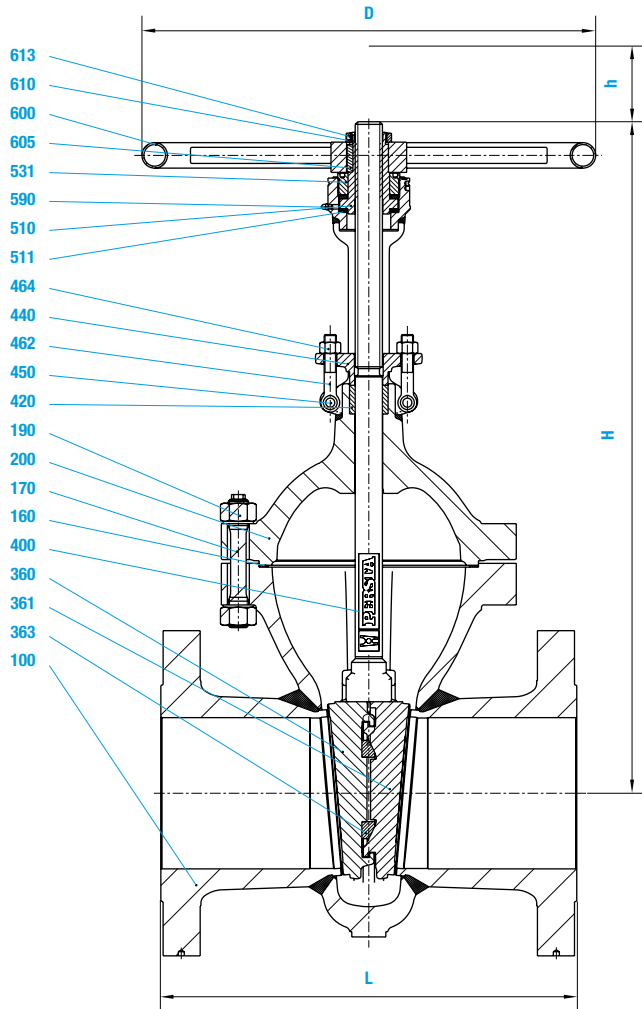
Design Highlights

- Die-forged body and bonnet
- Hard faced seats (valve body and shut-off device)
- Gasket located in gap
- Full bore
- Non-rising stem

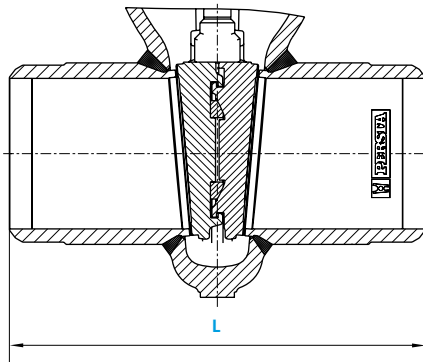
Benefits

- Free from porosity and shrink holes
- Extremely resistant to wear
- Blow out protection
- No reduction in seat area
- Minimum wear to the gland packing compared with ground stem surfaces

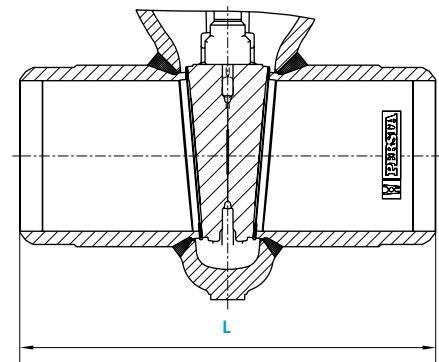
▪ Gate valves ▪ Gate valve ▪ 700 HJ/JJ ▪ PN 63-100 ▪ DN 200-300



700 JJ



700 HJ



▪ Gate valves ▪ Gate valve ▪ 700 HJ/JJ ▪ PN 63-100 ▪ DN 200-300

Materials					
Pos.	Component	1.0460 (21)	1.5415 (42)	1.7335 (44)	1.7383 (45)
100	Body	1.0460	1.7383/1.5415	1.7383/1.7335	1.7383
160	▶ Seat ring	Grooved with graphite layer	Grooved with graphite layer	Grooved with graphite layer	Grooved with graphite layer
170	Stud	1.7709	1.7709	1.7709	1.7709
190	Hexagonal nut	1.7218	1.7218	1.7218	1.7218
200	Bonnet	1.7383	1.7383	1.7383	1.7383
360 / 361	▶ Disc	1.7383 ⁴⁾	1.7383	1.7383 ¹³⁾	1.8507 ³⁾
363	▶ Pressure piece	1.4122	1.4122	1.4122	1.4122
400	▶ Stem	1.4021	1.4122	1.4122	1.4122
420	▶ Packing	Graphite	Graphite	Graphite	Graphite
440	Gland flange	1.0460	1.0460	1.0460	1.0460
450	Pin	St ⁶⁾	St ⁶⁾	St ⁶⁾	St ⁶⁾
462	Eye bolt	1.1181 ⁵⁾	1.1181 ⁵⁾	1.1181 ⁵⁾	1.1181 ⁵⁾
464	Hexagonal nut	1.1181 ⁹⁾	1.1181 ⁹⁾	1.1181 ⁹⁾	1.1181 ⁹⁾
510	▶ Yoke sleeve	1.0718 ⁸⁾	1.0718 ⁸⁾	1.0718 ⁸⁾	1.0718 ⁸⁾
511	▶ Roller bearing	WLS1 ⁷⁾	WLS1 ⁷⁾	WLS1 ⁷⁾	WLS1 ⁷⁾
531	Screwing	1.0718	1.0718	1.0718	1.0718
590	Grease nipple	5.8	5.8	5.8	5.8
600	Handwheel	St	St	St	St
605	Key	1.0060	1.0060	1.0060	1.0060
610	Hexagonal nut	St	St	St	St
613	Screw pin	45H	45H	45H	45H
▶ Spare parts					
1) ≥ DN 250 = 1.7383 welded on with Stellite					
2) Welded on with Cr17					
3) Welded on with Stellite					
4) ≥ DN 250 = 1.0460 welded on with Cr17					
5) ≥ DN 250 = 1.7709					
6) ≥ DN 250 = 1.7218					
7) ≥ DN 250 = Roller bearing					
8) ≥ DN 250 = CW 713 R					
9) ≥ DN 250 = 1.7218					

Dimensions/mm				
DN	PN 63-100		Stroke h	D
	L	H		
200	550	890	210	600
250	650	1110	265	720
300	750	1310	313	900

Weights/kg and Kvs-values				
DN	FL PN 63	FL PN 100	BW PN 63-100	Kvs (m ³ /h)
	200	270	285	
250	480	538	430	6247
300	690	750	560	8997