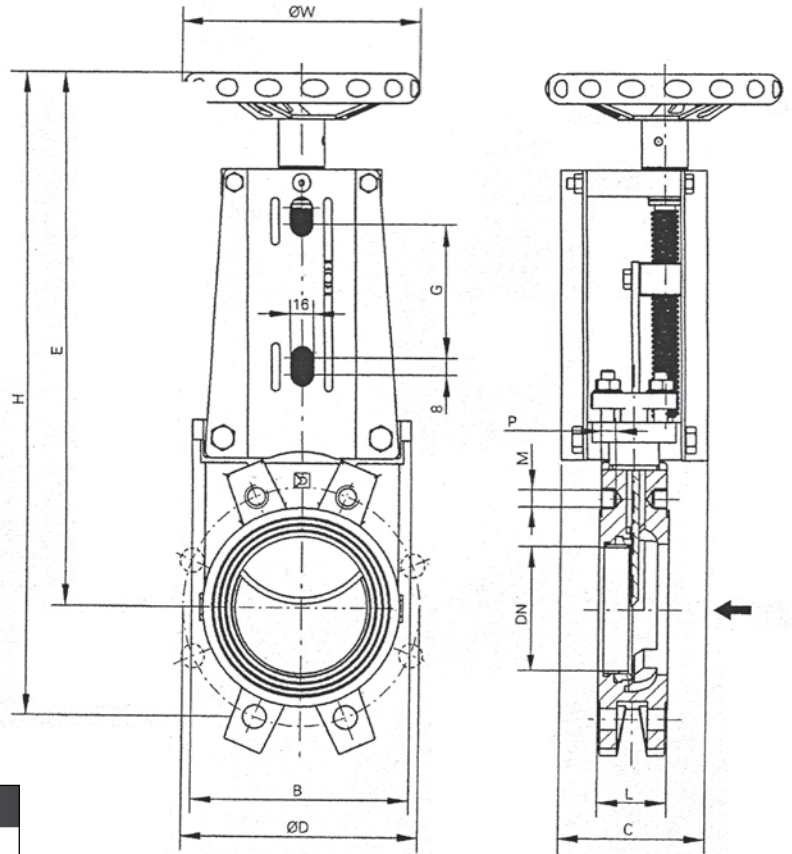
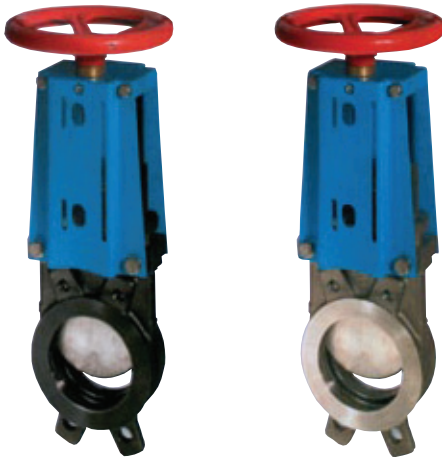


LV 5800
LV 5810

Cast Iron Knife Gate Valve – Unidirectional – LV 5800 Stainless Steel Knife Gate Valve – Unidirectional – LV 5810

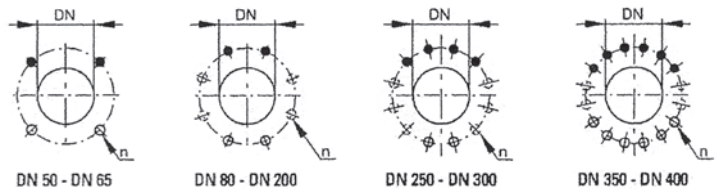
to suit PN10, Handwheel Operated
See following pages for more technical information



Pressure/Temperature Ratings

Size	50mm - 400mm see table below
Temperature	-35°C to +120°C

Material List	5800	5810
Body	GG25	CF8M
Gate	Stainless Steel 304	Stainless Steel 316
Seat	EPDM	EPDM
Seat Options	Metal/Nitrile, PTFE, Viton or Silicon	Metal/Nitrile, PTFE, Viton or Silicon



⬤ Threaded blind hole

⊕ Through hole

Dimensions

DN	ØD	H	L	E	B	C	G	W	n	M	P	⬤	⊕	bar	Kg
50	125	372	43	328	116	102	53	200	4	M16	8	2	2	10	8
65	145	405	46	354	131	102	53	200	4	M16	9	2	2	10	9
80	160	441	46	367	146	102	82	200	8	M16	9	2	2	10	10
100	180	479	52	396	166	112	102	200	8	M16	9	2	2	10	13
125	210	510	56	413	197	112	130	250	8	M16	9	2	2	10	17
150	240	573	56	462	222	112	156	250	8	M20	10	2	2	10	20
200	295	714	60	578	275	130	205	350	8	M20	10	2	2	8	34
250	350	878	68	709	332	130	270	350	12	M20	12	4	2	7	50
300	400	1010	78	815	386	130	320	350	12	M20	12	4	2	6	66
350	460	1180	96	955	437	196	340	400	16	M20	20	6	6	6	ca.105
400	515	1311	100	1059	491	196	388	400	16	M24	23	6	6	5	ca.135

Technical Data for all Knife Gate Valve Products

Design:	center body consists of 1 part to be mounted between two flanges according to EN 1092-1 type 11 form B -PN10 (former DIN 2501), ANSI 150 on request.	Temperature range:	metal: on request NBR: -25°C ... +90°C EPDM: -35°C ... +120°C PTFE, FKM, Silicone – on request
Media:	liquid and soiled media with fibre particles, viscous media, drain water, sludge, food etc. (plastic granulates, powder, sand or similar media on request). Not suitable for steam.	Face to face:	EN 558-1 row 20
Body:	GG-25 (grey cast iron), polyester-coated (heat treatment by 190°C, 20min) or stainless steel 1.4408	Design:	1-part body, flange-dimensions and drilling holes according to PN10 (ANSI on request) Grinded knife 3-part gland Stem cover ready for mounting limit switches (DN350 ... DN400 on request) Double stem bearing, knife is lead against or towards the sealing at the end of the closing process, thus avoiding any friction during the adjusting process and causing a lower torque Stand handwheel St 37, no casting
Sealing:	metal/metal, NBR, EPDM (FKM or PTFE on request)	Leaking rate:	Please note that you have to calculate for all metallic sealing knife-gate-valves with a leaking rate of appr. 0.4% of the Kv-value (for liquid media).
Gland:	3-piece sealing set: 2 x natural fibre, PTFE-coated 1 x NBR-, EPDM or FKM-ring		
Knife:	stainless steel 1.4301 or 1.4401		
Stem:	stainless steel 1.4301 or 1.4401		
Handwheel:	steel, lacquered		
Pressure discharge:	one-sided, two-sided on request		
Stem:	not rising		
Pressure range:	please refer to the table		