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Stoffschieber/
Knife gate valve
Typ A, DN 50 - 1200

Technische Daten	***Specification***
Bauform	***Design***
Zwischenflansch Stoffschieber	*Wafer type knife gate valve*
Gehäuse: GG-25 EKB oder Edelstahl CF8M	*Body: GG-25 EKB or stainless steel CF8M*
Schieberplatte: AISI 304	*Knife: AISI 304,*
Dichtung: EPDM (Standard), metallisch, NBR, Viton oder PTFE	*Seat: EPDM (Standard), metal seated, NBR, Viton or PTFE*
Stopfbuchspackung: Synth. + PTFE,	*Packing: Synth. + PTFE*
Flansche nach DIN 2501 PN 10	*Flanges according to DIN 2501 PN 10*

Typ PA-A12:	***Typ PA-A12:***
steigende Spindel / nichtsteigendes Handrad	*Rising stem / nonrising handwheel*
Typ PA-A30:	***Typ PA-A30:***
Schnellschlusshandhebel	*Quick closing lever*
Typ PA-A40:	***Typ PA-A40:***
Pneumatikantrieb	*Pneumatic actuator*
Typ PA-A50:	***Typ PA-A50:***
Elektroantrieb, Typ AUMA SA	*Electric actuator, type AUMA SA*

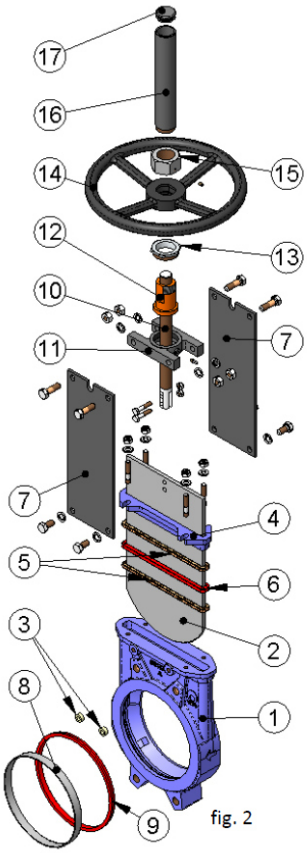

fig. 2

Nr.	Teile	Werkstoff	
1	Body	GJL-250	CF8M
2	Gate	AISI304	AISI316
3	Guide	RCH1000	
4	Packing gland	GJS-500	CF8M
5	Packing	SYNTJR + PTFE	
6	O-ring seal	EPDM	
7	Support plates	S275JR	
8	Ring	AISI316	
9	Seat	EPDM	
10	Stem	AISI303	
11	Yoke	STEEL	
12	Stem nut	BRONZE	
13	Check nut	ST44.2 + ZINC	
14	Handwheel	NODULAR CAST IRON	
15	Nut	STEEL	
16	Hood	STEEL	
17	Top cap	PLASTIC	

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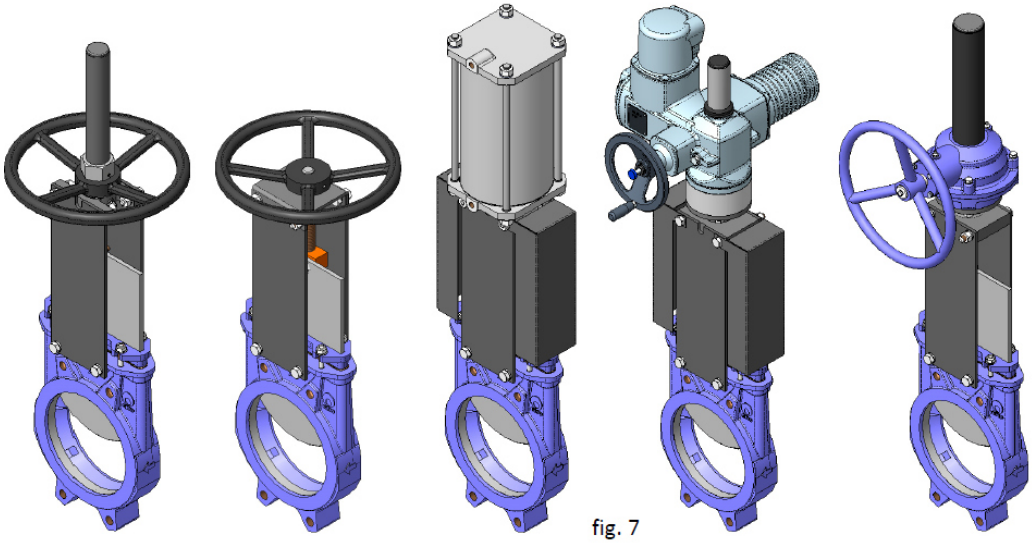

fig. 7

Handwheel rising stem | Handwheel NON-rising stem | Pneumatic actuator | Electric-motor actuator | Handwheel gear box

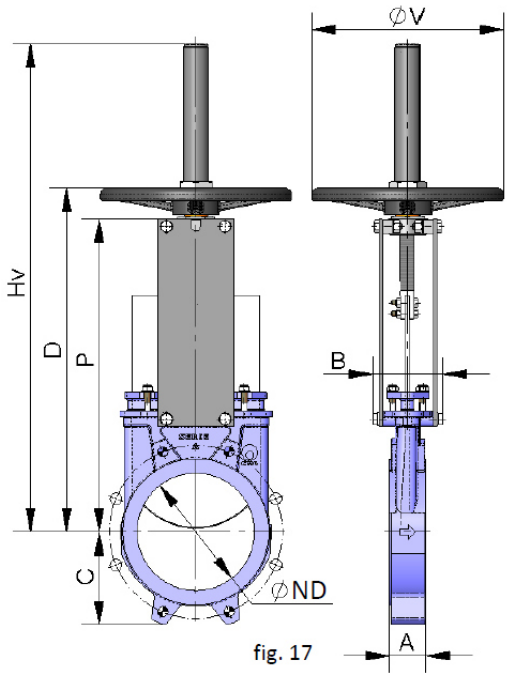

fig. 17

ND	ΔP (kg/cm²)	DRAW (Nw)	TORQ. (Nm)	A	B	C	P	Hv	D	ØV	Weight (kg)
50	10	829	2	40	92	63	241	409	280	225	7
65	10	1399	3	40	92	70	268	436	307	225	8
80	10	2119	5	50	92	92	294	469	333	225	9
100	10	3310	8	50	92	105	334	502	373	225	11
125	10	5171	12	50	102	120	367	585	406	225	13
150	10	7448	17	60	102	130	419	644	458	225	17
200	8	10612	30	60	119	160	525	815	578	380	28
250	6	12456	36	70	119	198	626	1016	679	450	40
300	6	17962	51	70	119	234	726	1116	779	450	56
350	5	20406	79	96	290	256	797	1336	906	450	94
400	5	26707	104	100	290	292	903	1442	1012	450	116
450	3	20376	79	106	290	308	989	1628	1098	450	162
500	3	25230	98	110	290	340	1101	1738	1210	450	191
600	3	36506	142	110	290	400	1307	2046	1416	450	264
700	2	33288	182	110	320	453	1506	-	-	-	441
800	2	43788	239	110	320	503	1720	-	-	-	568
900	2	56064	307	110	320	583	1953	-	-	-	736
1000	2	69269	379	110	320	613	2137	-	-	-	921
1200	2	100819	654	150	340	728	2616	-	-	-	1350

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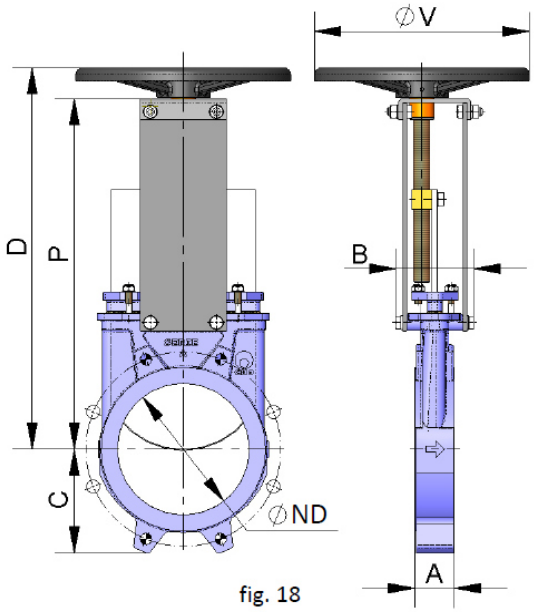

fig. 18

ND	ΔP (kg/cm²)	DRAW (Nw)	TORQ. (Nm)	A	B	C	P	D	ØV	Weight (kg)
50	10	829	2		101	63	241	280	225	7
65	10	1399	3	40	101	70	268	308	225	8
80	10	2119	5	50	101	92	294	333	225	9
100	10	3310	8	50	101	105	334	373	225	11
125	10	5171	12	50	111	120	367	407	225	13
150	10	7448	17	60	111	130	419	458	225	17
200	8	10612	30	60	128	160	525	578	325	29
250	6	12456	36	70	128	198	626	679	325	40
300	6	17962	51	70	128	234	726	779	380	53
350	5	20406	79	96	305	256	797	906	450	93
400	5	26707	104	100	305	292	903	1012	450	126
450	3	20376	79	106	305	308	989	1098	450	160
500	3	25230	98	110	305	340	1101	1210	450	193
600	3	36506	142	110	305	400	1307	1416	450	264
700	2	33288	182	110	335	453	1506	-	-	435
800	2	43788	239	110	335	503	1720	-	-	580
900	2	56064	307	110	335	583	1953	-	-	740
1000	2	69269	379	110	335	613	2137	-	-	925
1200	2	100819	654	150	355	728	2616	-	-	1350

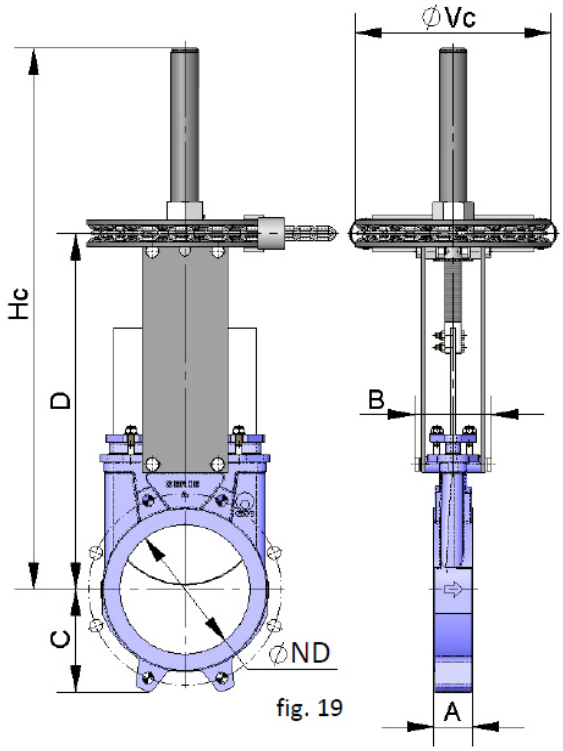

fig. 19

ND	ΔP (kg/cm²)	DRAW (Nw)	TORQ. (Nm)	A	B	C	D	Hc	ØVc	Weight (kg)
50	10	829	2	40	92	63	264	409	225	7
65	10	1399	3	40	92	70	291	436	225	8
80	10	2119	5	50	92	92	317	469	225	9
100	10	3310	8	50	92	105	357	502	225	11
125	10	5171	12	50	102	120	390	585	225	13
150	10	7448	17	60	102	130	442	644	225	17
200	8	10612	30	60	119	160	551	815	300	29
250	6	12456	36	70	119	198	652	1016	300	40
300	6	17962	51	70	119	234	752	1116	300	53
350	5	20406	79	96	290	256	879	1336	402	93
400	5	26707	104	100	290	292	985	1442	402	126
450	3	20376	79	106	290	308	1071	1628	402	160
500	3	25230	98	110	290	340	1183	1738	402	193
600	3	36506	142	110	290	400	1389	2046	402	264
700	2	33288	182*	110	320	453	1506	2406	402*	435
800	2	43788	239*	110	320	503	1720	2790	402*	580
900	2	56064	307*	110	320	583	1953	3130	402*	740
1000	2	69269	379*	110	320	613	2137	3440	402*	925
1200	2	100819	654*	150	340	728	2616	4050	402*	1350

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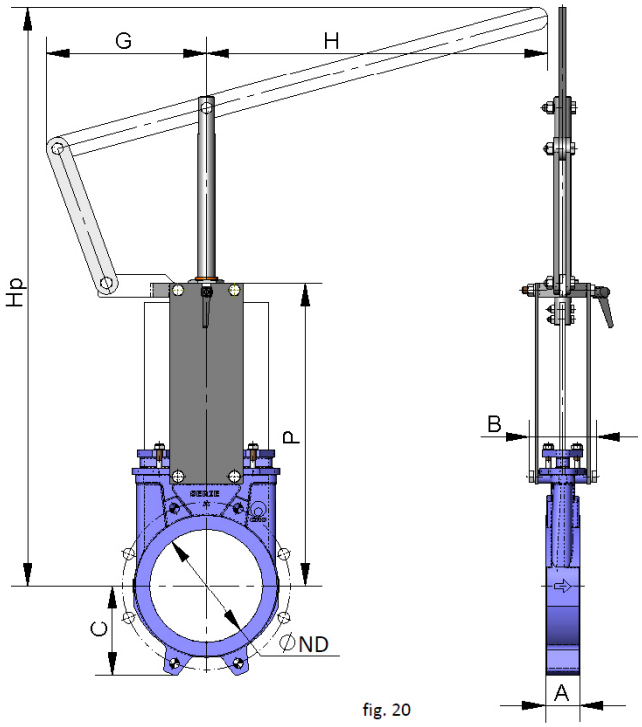

fig. 20

ND	ΔP (kg/cm²)	DRAW (Nw)	A	B	C	P	G	H	Hp	Weight (kg)
50	10	829	40	92	63	264	155	325	504	8
65	10	1399	40	92	70	291	155	325	526	9
80	10	2119	50	92	92	317	155	325	549	10
100	10	3310	50	92	105	357	155	325	605	11
125	10	5171	50	102	120	390	155	425	902	14
150	10	7448	60	102	130	442	155	425	956	16
200	8	10612	60	119	160	551	290	620	1027	32
250	6	12456	70	119	198	652	290	620	1416	54
300	6	17962	70	119	234	752	290	620	1525	57

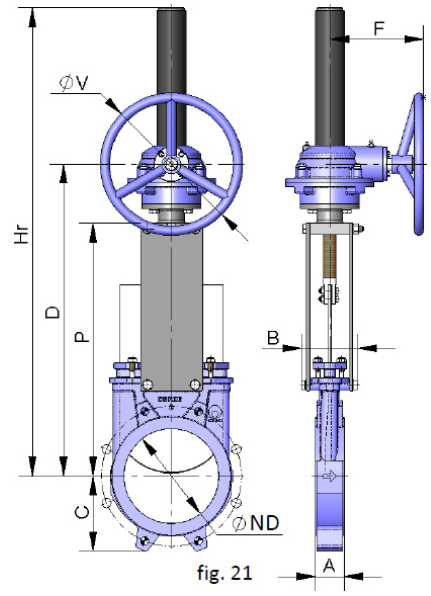

fig. 21

ND	ΔP (kg/cm²)	DRAW (Nw)	TORQ. (Nm)	A	B	C	P	D	F	ØV	Hr	Weight (kg)
50	10	829	2	40	92	63	241	366	198	300	450	17
65	10	1399	3	40	92	70	268	392	198	300	566	18
80	10	2119	5	50	92	92	294	418	198	300	592	19
100	10	3310	8	50	92	105	334	458	198	300	632	20
125	10	5171	12	50	102	120	367	491	198	300	665	24
150	10	7448	17	60	102	130	419	543	198	300	717	26
200	8	10612	30	60	119	160	525	648	198	300	942	50
250	6	12456	36	70	119	198	626	749	198	300	1043	63
300	6	17962	51	70	119	234	726	850	198	300	1194	77
350	5	20406	79	96	290	256	797	891	218	450	1335	106
400	5	26707	104	100	290	292	903	997	218	450	1441	134
450	3	20376	79	106	290	308	989	1083	218	450	1677	173
500	3	25230	98	110	290	340	1101	1195	218	450	1789	216
600	3	36506	142	110	290	400	1307	1401	218	450	2045	284
700	2	33288	182	110	320	453	1506	1612	260	450	2401	430
800	2	43788	239	110	320	503	1720	1825	288	650	2715	615
900	2	56064	307	110	320	583	1953	2055	288	650	3043	768
1000	2	69269	379	110	320	613	2137	2246	288	650	3351	972
1100	2	83794	544	150	340	670	2375	2515	352	850	3675	1142
1200	2	100819	654	150	340	728	2616	2760	352	850	4042	1298
1300	2	118409	768	150	390	787	2882	3022	352	850	4382	1400
1400	2	137297	891	150	390	837	3250	3388	352	850	4852	N.D.
1500	2	159330	1034	170	426	890	3517	3661	352	850	5217	N.D.
1600	2	181408	1362	170	426	957	3775	4052	382	650	5575	N.D.
1700	2	204754	1537	190	440	1010	4008	4298	412	850	5908	N.D.
1800	2	232230	1952	190	440	1057	4242	4528	412	850	6242	N.D.
1900	2	258699	2175	210	480	1110	4390	4668	432	1000	6490	N.D.
2000	2	286596	2409	210	480	1162	4540	4830	432	1000	6740	N.D.

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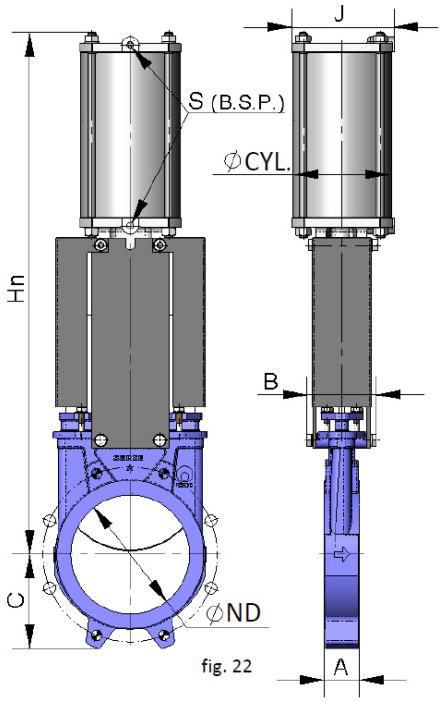

fig. 22

ND	ΔP (kg/cm²)	DRAW (Nw)	A	B	C	Ø CYL.	Ø ROD	J	S (B.S.P.)	Hn	Weight (kg)
50	10	829	40	92	63	80	20	96	1/4"	415	7
65	10	1399	40	92	70	80	20	96	1/4"	455	8
80	10	2119	50	92	92	80	20	96	1/4"	498	9
100	10	3310	50	92	105	100	20	115	1/4"	565	12
125	10	5171	50	102	120	125	25	138	1/4"	636	18
150	10	7448	60	102	130	125	25	138	1/4"	717	22
200	8	10612	60	119	160	160	30	175	1/4"	874	37
250	6	12456	70	119	198	200	30	218	3/8“	1036	58
300	6	17962	70	119	234	200	30	218	3/8“	1182	72
350	5	20406	96	290	256	250	40	270	3/8“	1380	130
400	5	26707	100	290	292	250	40	270	3/8“	1530	155
450	3	20376	106	290	308	300	45	382	1/2"	1677	225
500	3	25230	110	290	340	300	45	382	1/2"	1839	257
600	3	36506	110	290	400	300	45	382	1/2"	2146	340
700	2	33288	110	320	453	350	45	426	1/2"	2481	556
800	2	43788	110	320	503	350	45	426	1/2"	2798	679
900	2	56064	110	320	583	400	50	508	1/2"	3167	840
1000	*	*	110	320	613	400	50	508	1/2"	3451	1053
1100	*	*	150	340	670	400	50	508	1/2"	3792	1210
1200	*	*	150	340	728	400	50	508	1/2"	4135	1366

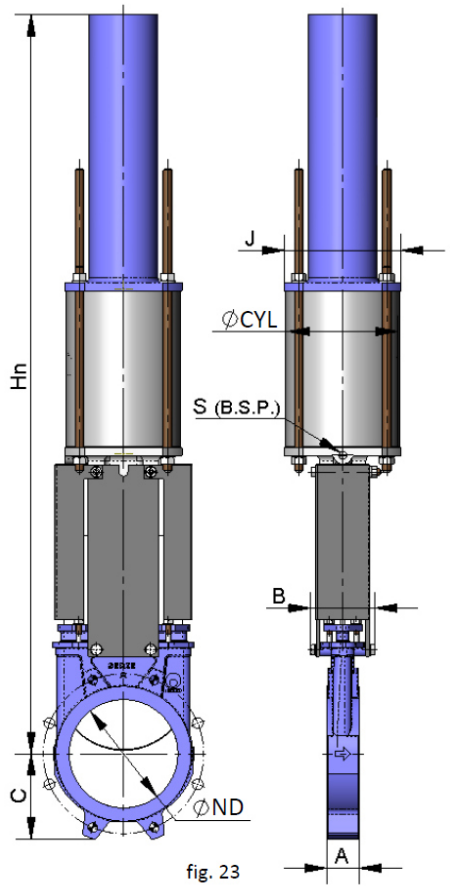

fig. 23

ND	ΔP (kg/cm²)	DRAW (Nw)	A	B	C	Ø CYL.	Ø ROD	J	S (B.S.P.)	Hn	Weight (kg)
50	10	829	40	92	63	80	25	138	1/4"	781	19
65	10	1399	40	92	70	80	25	138	1/4"	806	22
80	10	2119	50	92	92	80	25	138	1/4"	833	23
100	10	3310	50	92	105	100	25	138	1/4"	873	24
125	10	5171	50	102	120	125	30	175	1/4"	909	35
150	10	7448	60	102	130	125	30	175	1/4"	960	36
200	8	10612	60	119	160	160	30	218	3/8“	1355	66
250	6	12456	70	119	198	200	40	270	3/8“	1844	130
300	6	17962	70	119	234	200	40	270	3/8“	2005	143

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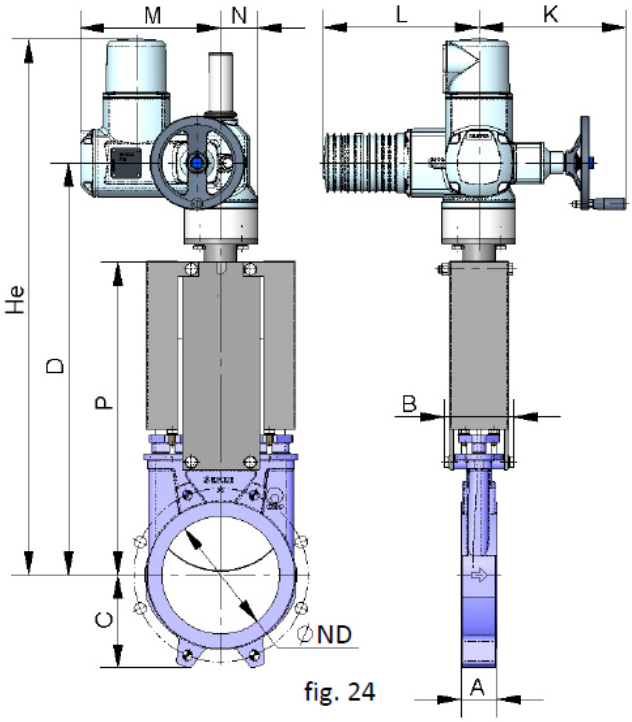

fig. 24

ND	ΔP (kg/cm²)	DRAW (Nw)	TORQ (Nm)	A	B	C	D	K	L	M	N	P	He	Weight (kg)
50	10	829	2	40	92	63	400	249	265	238	62	241	595	24
65	10	1399	3	40	92	70	426	249	265	238	62	268	622	25
80	10	2119	5	50	92	92	452	249	265	238	62	294	647	26
100	10	3310	8	50	92	105	492	249	265	238	62	334	687	27
125	10	5171	12	50	102	120	525	249	265	238	62	367	720	30
150	10	7448	17	60	102	130	577	249	265	238	62	419	772	32
200	8	10612	30	60	119	160	685	249	265	238	62	525	990	42
250	6	12456	36	70	119	198	785	249	265	238	62	626	1090	55
300	6	17962	51	70	119	234	885	249	265	238	62	726	1190	72
350	5	20406	79	96	290	256	940	254	283	248	65	797	1305	99
400	5	26707	104	100	290	292	1045	254	283	248	65	903	1460	136
450	3	20376	79	106	290	308	1175	336	389	286	91	989	1755	166
500	3	25230	98	110	290	340	1290	336	389	286	91	1101	1870	245
600	3	36506	142	110	290	400	1495	336	389	286	91	1307	2045	362
700	2	33288	182	110	320	453	1661	336	389	286	91	1506	2401	432
800	2	43788	239	110	320	503	1875	339	389	286	91	1720	2715	630
900	2	56064	307	110	320	583	2108	339	389	286	91	1953	3043	764
1000	2	69269	379	110	320	613	2292	339	389	286	91	2137	3351	998
1100	2	83794	544	150	340	670	2530	339	389	286	91	2375	3675	1194
1200	2	100819	654	150	340	728	2760	336	389	528	125	2616	4042	1350
1300	2	118409	768	150	390	787	3022	336	389	528	125	2882	4382	1452
1400	2	137297	891	150	390	837	3388	339	389	528	125	3250	4852	N.D.
1500	2	159330	1034	170	426	890	3661	339	389	528	125	3517	5217	N.D.
1600	2	181408	1362	170	426	957	4052	339	389	570	170	3775	5575	N.D.
1700	2	204754	1537	190	440	1010	4298	339	389	570	170	4008	5908	N.D.
1800	2	232230	1952	190	440	1057	4528	336	389	646	170	4242	6242	N.D.
1900	2	258699	2175	210	480	1110	4668	336	389	646	170	4390	6490	N.D.
2000	2	286596	2409	210	480	1162	4830	339	389	646	170	4540	6740	N.D.

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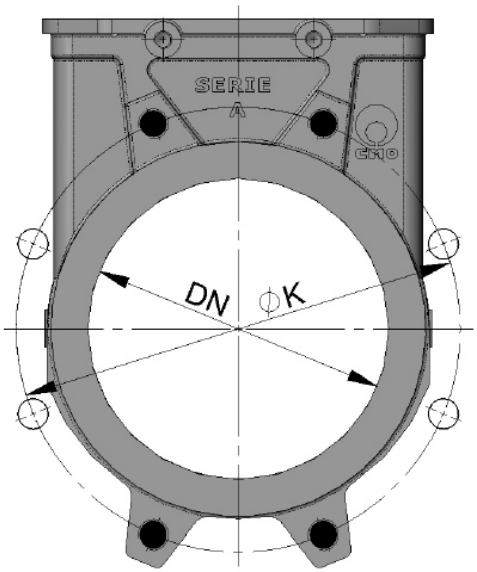

fig. 26

● BLIND TAPPED HOLES
○ THROUGH HOLE

ND	ΔP (kg/cm²)	•	O	Metric	Prof	ØK
50	10	4	-	M 16	8	125
65	10	4	-	M 16	8	145
80	10	4	4	M 16	9	160
100	10	4	4	M 16	9	180
125	10	4	4	M 16	9	210
150	10	4	4	M 20	10	240
200	8	4	4	M 20	10	295
250	6	6	6	M 20	12	350
300	6	6	6	M 20	12	400
350	5	10	6	M 20	21	460
400	5	10	6	M 24	21	515
450	3	14	6	M 24	22	565
500	3	14	6	M 24	22	620
600	3	14	6	M 27	22	725
700	2	16	8	M 27	22	840
800	2	16	8	M 30	22	950
900	2	20	8	M 30	20	1050
1000	2	20	8	M 33	20	1160
1100	2	20	12	M 33	20	1270
1200	2	20	12	M 36	22	1380
1300	2	20	12	M 36	26	1490
1400	2	24	12	M 39	26	1590
1500	2	24	12	M 39	35	1700
1600	2	28	12	M 45	40	1820
1700	2	30	14	M 45	40	1920
1800	2	30	14	M 45	40	2020
1900	2	32	16	M 45	45	2120
2000	2	32	16	M 45	45	2230

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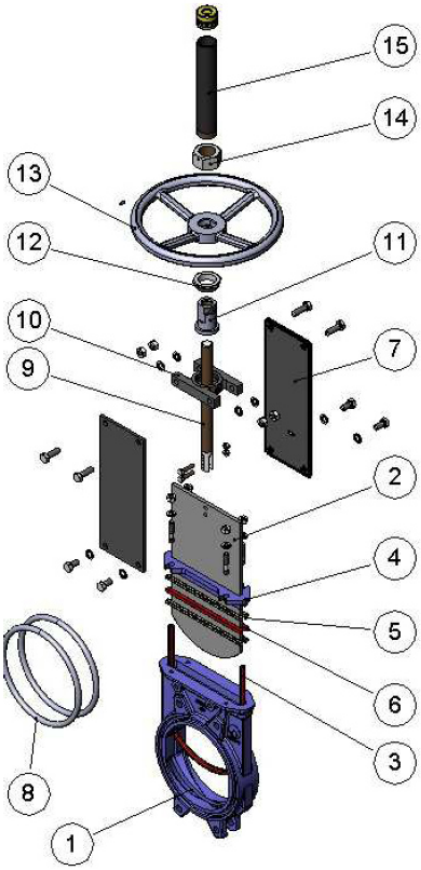
Stoffschieber, beidseitig dichtend/
Knife gate valve, bidirectional
Typ AB, DN 50 - 1600

Technische Daten	***Specification***
Bauform	***Design***
Zwischenflansch Stoffschieber	*Wafer type knife gate valve*
Gehäuse: GG-25 EKB oder Edelstahl CF8M	*Body: GG-25 EKB or stainless steel CF8M*
Schieberplatte: AISI 304	*Knife: AISI 304,*
Dichtung: EPDM (Standard), NBR, Viton oder Silikon	*Seat: EPDM (Standard), metal seated, NBR, Viton or PTFE*
Stopfbuchspackung: Synth. + PTFE,	*Packing: Synth. + PTFE*
Flansche nach DIN 2501 PN 10	*Flanges according to DIN 2501 PN 10*

Typ PA-AB12:	***Typ PA-AB12:***
Steigende Spindel / nichtsteigendes Handrad	*Rising stem / nonrising handwheel*
Typ PA-AB40:	***Typ PA-AB40:***
Pneumatikantrieb, doppelwirkend	*Pneumatic actuator, double acting*
Typ PA-AB50	***Typ PA-AB50:***
Elektroantrieb, Typ AUMA SA	*Electric actuator, type AUMA SA*



Nr.	Component	Cast iron version	Stainless steel version
1	Body	GJL-250	CF8M
2	Gate	AISI304	AISI316
3	Seat	EPDM	EPDM
4	Packing gland	GJS-500	CF8M
5	Packing	SYNT + PTFE	SYNT + PTFE
6	O-ring seal	EPDM	EPDM
7	Support plates	S275JR	S275JR
8	O-ring	NITRILE	NITRILE
9	Stem	AISI303	AISI303
10	Yoke	STEEL	STEEL
11	Stem nut	BRONZE	BRONZE
12	Check nut	ST44.2 + ZINC	ST44.2 + ZINC
13	Handwheel	NODULAR CAST IRON	NODULAR CAST IRON
14	Nut	STEEL	STEEL
15	Hood	STEEL	STEEL

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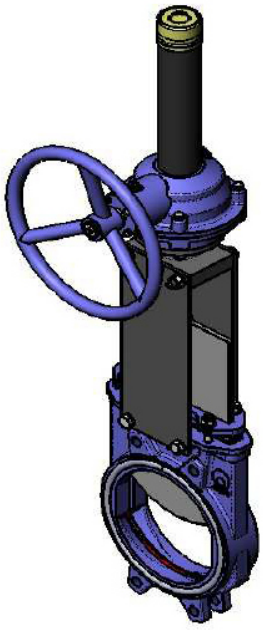
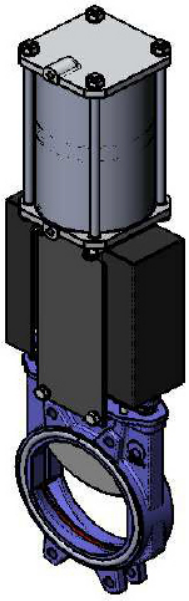
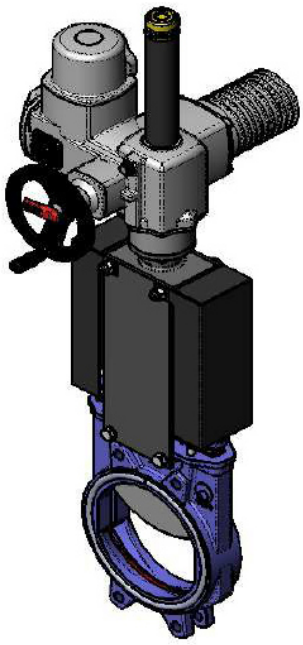


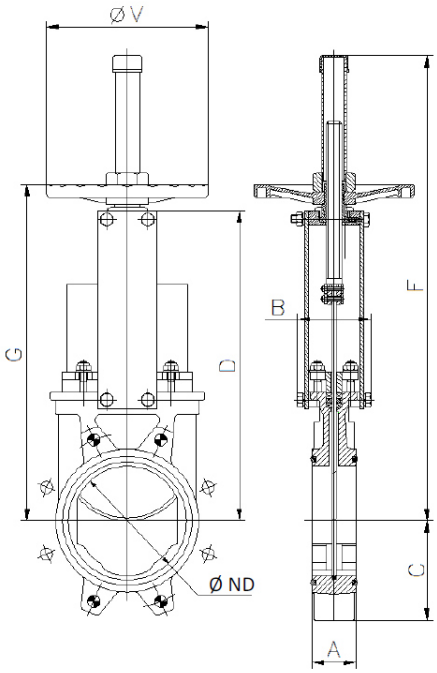
Handwheel
gear box



Pneumatic
actuator



Electric-motor



ND	ΔP (kg/cm²)	DRAW (Nw)	TORQ. (Nm)	A	B	C	D	F	G	ØV	Weight (kg)
50	10	1143	2.64	40	91	61	61	410	280	225	7
65	10	1952	4.45	40	91	68	68	437	308	225	8
80	10	2957	6.76	50	91	91	91	463	333	225	9
100	10	4617	10.5	50	91	104	104	503	373	225	11
125	10	7213	16.5	50	101	118	118	586	407	225	13
150	10	7290	16.6	60	101	130	130	638	458	225	17
200	8	12975	37.1	60	118	159	159	816	578	325	28
250	6	14522	41.4	70	118	196	196	1017	679	325	40
300	6	20942	59.8	70	118	230	230	1117	779	380	56
350	5	22810	88.5	96	290	254	254	1337	906	450	94
400	5	29879	115.9	100	290	287	287	1443	1012	450	116
450	3	28461	110.3	106	290	304	304	1629	1098	450	162
500	3	35333	137.1	110	290	340	340	1741	1210	450	187
600	3	51235	198.6	110	290	398	398	2047	1416	450	260

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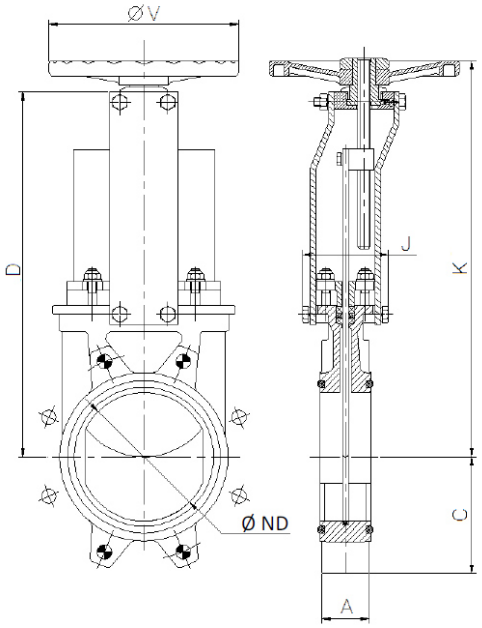
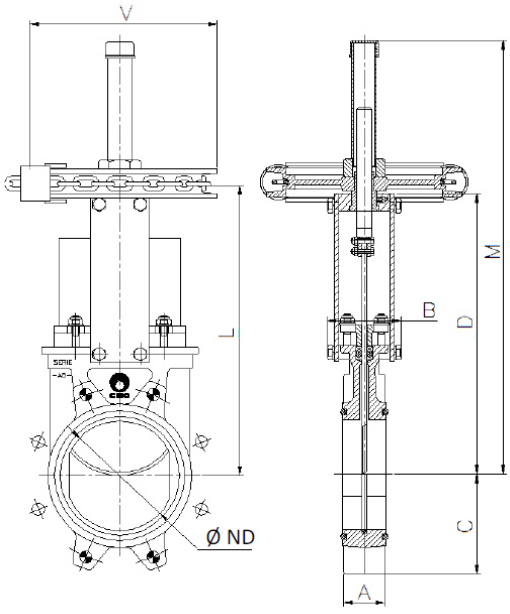


ND	ΔP (kg/cm²)	DRAW (Nw)	TORQ. (Nm)	A	C	D	J	K	ØV	Weight (kg)
50	10	1143	2.64	40	61	241	101	280	225	7
65	10	1952	4.45	40	68	268	101	308	225	8
80	10	2957	6.76	50	91	294	101	333	225	9
100	10	4617	10.5	50	104	334	101	373	225	11
125	10	7213	16.5	50	118	367	111	407	225	13
150	10	7290	16.6	60	130	419	111	458	225	17
200	8	12975	37.1	60	159	525	128	578	325	28
250	6	14522	41.4	70	196	626	128	679	325	40
300	6	20942	59.8	70	230	726	128	779	380	56
350	5	22810	88.5	96	254	797	305	906	450	94
400	5	29879	115.9	100	287	903	305	1012	450	116
450	3	28461	110.3	106	304	989	305	1098	450	162
500	3	35333	137.1	110	340	1101	305	1210	450	187
600	3	51235	198.6	110	398	1307	305	1416	450	260



ND	ΔP (kg/cm²)	DRAW (Nw)	TORQ. (Nm)	A	B	C	D	L	M	ØV	Weight (kg)
50	10	1143	2.64	40	91	61	241	280	410	225	7
65	10	1952	4.45	40	91	68	268	308	437	225	8
80	10	2957	6.76	50	91	91	294	333	463	225	9
100	10	4617	10.5	50	91	104	334	373	503	225	11
125	10	7213	16.5	50	101	118	367	407	586	225	13
150	10	7290	16.6	60	101	130	419	458	638	225	17
200	8	12975	37.1	60	118	159	525	578	816	300	28
250	6	14522	41.4	70	118	196	626	679	1017	300	40
300	6	20942	59.8	70	118	230	726	779	1117	300	56
350	5	22810	88.5	96	290	254	797	906	1337	402	94
400	5	29879	115.9	100	290	287	903	1012	1443	402	116
450	3	28461	110.3	106	290	304	989	1098	1629	402	162
500	3	35333	137.1	110	290	340	1101	1210	1741	402	187
600	3	51235	198.6	110	290	398	1307	1416	2047	402	260

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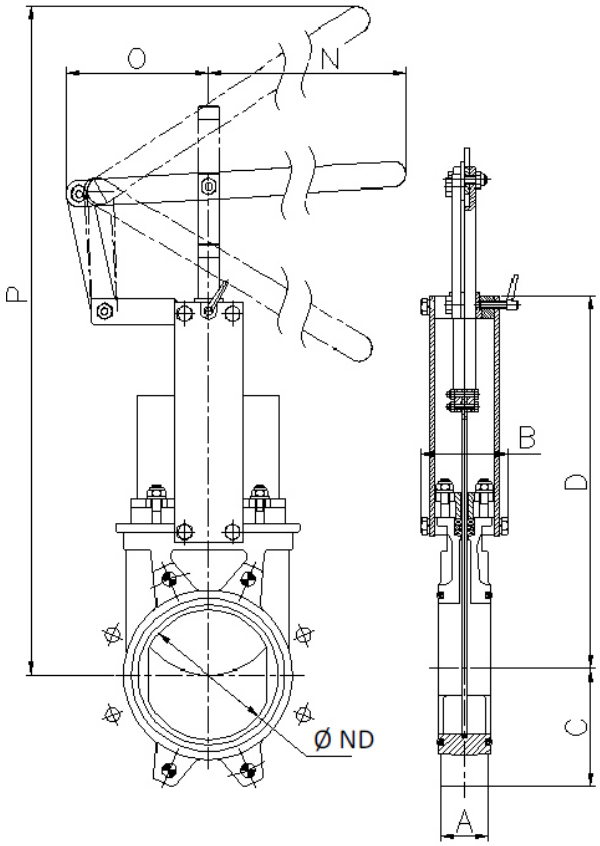
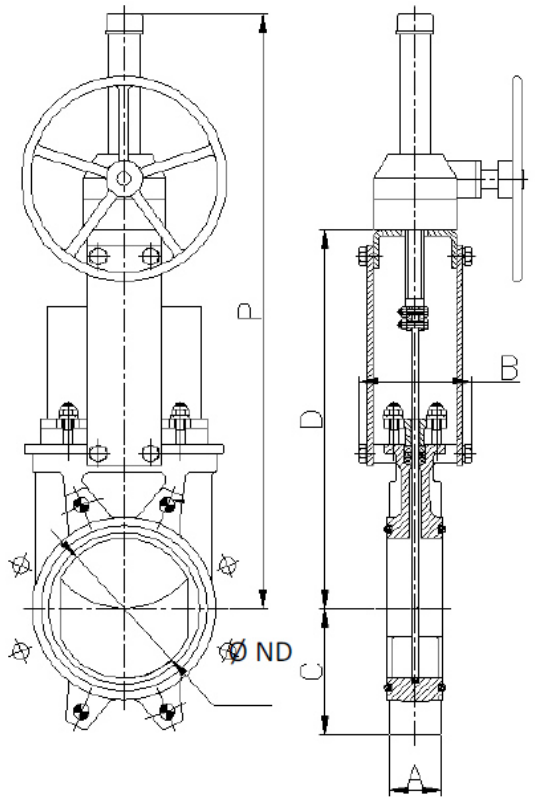


ND	ΔP (kg/cm²)	DRAW (Nw)	A	B	C	D	N	O	P	Weight (kg)
50	10*	241*	40	91	61	241	325	155	504	9
65	10*	406*	40	91	68	268	325	155	526	10
80	10*	613*	50	91	91	294	325	155	549	11
100	10*	954*	50	91	104	334	325	155	605	13
125	10*	1494*	50	101	118	367	425	155	902	16
150	10*	2151*	60	101	130	419	425	155	956	20
200	8*	3832*	60	118	159	525	620	290	1027	32



ND	ΔP (kg/cm²)	DRAW (Nw)	TORQ. (Nm)	A	B	C	D	P	Weight (kg)
50	10	1143	2.64	40	91	61	241	540	20
65	10	1952	4.45	40	91	68	268	566	21
80	10	2957	6.76	50	91	91	294	592	22
100	10	4617	10.5	50	91	104	334	632	24
125	10	7213	16.5	50	101	118	367	665	26
150	10	7290	16.6	60	101	130	419	717	30
200	8	12975	37.1	60	118	159	525	942	41
250	6	14522	41.4	70	118	196	626	1033	53
300	6	20942	59.8	70	118	230	726	1121	69
350	5	22810	88.5	96	290	254	797	1305	107
400	5	29879	115.9	100	290	287	903	1403	130
450	3	28461	110.3	106	290	304	989	1677	183
500	3	35333	137.1	110	290	340	1101	1789	204
600	3	51235	198.6	110	290	398	1307	1995	288

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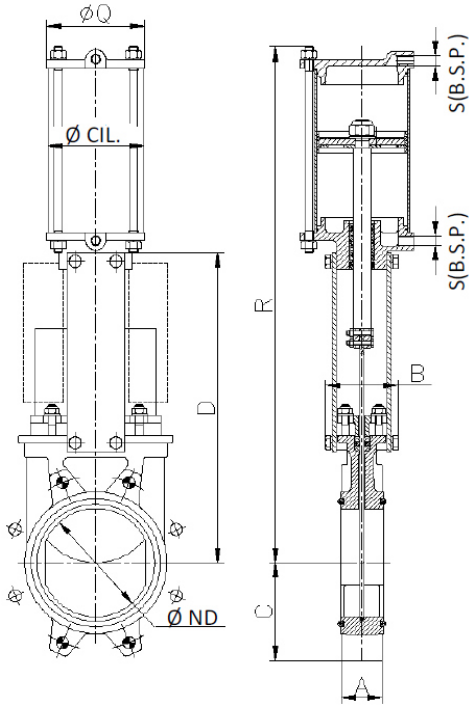
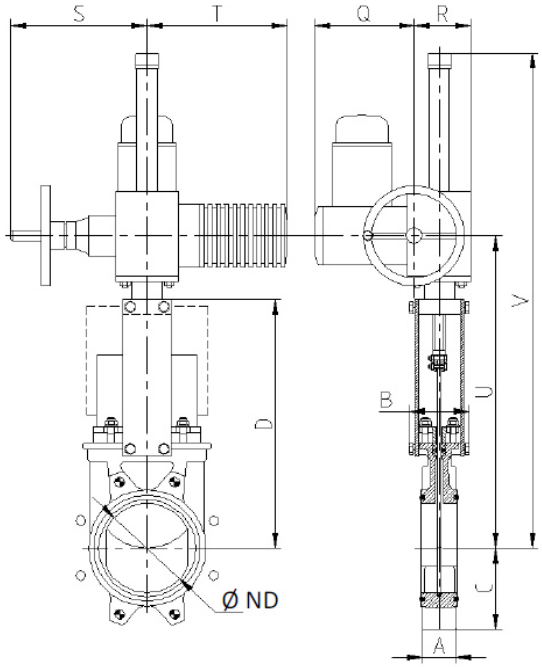
ND	ΔP (kg/cm²)	DRAW (Nw)	A	B	C	D	R	Ø CIL.	Ø ROD	ØQ	S (B.S.P.)	Weight (kg
50	10	1143	40	91	61	241	400	80	20	90	1/4"	7
65	10	1952	40	91	68	268	442	80	20	90	1/4"	8
80	10	2957	50	91	91	294	483	80	20	110	1/4"	9
100	10	4617	50	91	104	334	546	100	20	135	1/4"	12
125	10	7213	50	101	118	367	630	125	25	170	1/4"	18
150	10	7290	60	101	130	419	692	125	25	170	1/4"	22
200	8	12975	60	118	159	525	869	160	30	215	1/4"	37
250	6	14522	70	118	196	626	1032	200	30	270	3/8“	58
300	6	20942	70	118	230	726	1182	200	30	270	3/8“	72
350	5	22810	96	290	254	797	1379	250	40	382	3/8“	130
400	5	29879	100	290	287	903	1535	250	40	382	3/8“	148
450	3	28461	106	290	304	989	1677	300	45	382	1/2"	235
500	3	35333	110	290	340	1101	1839	300	45	444	1/2"	260
600	3	51235	110	290	398	1307	2145	300	45	508	1/2"	334





ND	ΔP (kg/cm²)	DRAW (Nw)	TORQ. (Nm)	A	B	C	D	Q	R	S	T	U	V	Peso (kg)
50	10	1143	2.64	40	91	61	241	197	102	234	265	347	587	24
65	10	1952	4.45	40	91	68	268	197	102	234	265	374	614	25
80	10	2957	6.76	50	91	91	294	197	102	234	265	400	640	26
100	10	4617	10.5	50	91	104	334	197	102	234	265	440	680	27
125	10	7213	16.5	50	101	118	367	197	102	234	265	473	713	30
150	10	7290	16.6	60	101	130	419	197	102	234	265	525	765	32
200	8	12975	37.1	60	118	159	525	197	102	234	265	640	880	42
250	6	14522	41.4	70	118	196	626	197	102	234	265	741	981	55
300	6	20942	59.8	70	118	230	726	197	102	234	265	841	1141	72
350	5	22810	88.5	96	290	254	797	197	115	256	282	944	1347	99
400	5	29879	115.9	100	290	287	903	197	115	256	282	1050	1550	136
450	3	28461	110.3	106	290	304	989	222	153	325	385	1147	1847	166
500	3	35333	137.1	110	290	340	1101	222	153	325	385	1259	1959	245
600	3	51235	198.6	110	290	398	1307	222	153	325	385	1465	2165	362

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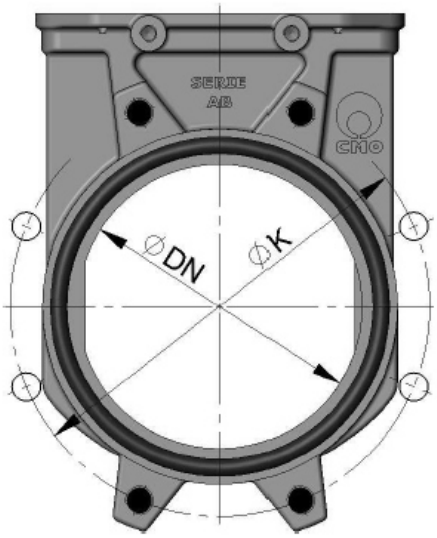
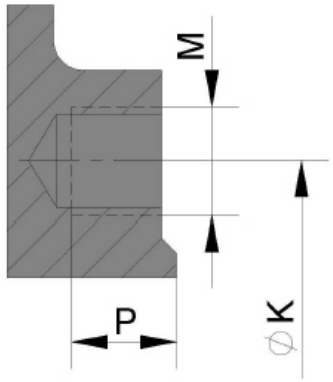


EN 1092-2 PN10						
ND	ΔP (kg/cm²)	•	o	Métric	P	ØK
50	10	4	-	M 16	8	125
65	10	4	-	M 16	8	145
80	10	4	4	M 16	9	160
100	10	4	4	M 16	9	180
125	10	4	4	M 16	9	210
150	10	4	4	M 20	10	240
200	8	4	4	M 20	10	295
250	6	6	6	M 20	12	350
300	6	6	6	M 20	12	400
350	5	12	4	M 20	21	460
400	5	12	4	M 24	21	515
450	3	16	4	M 24	22	565
500	3	16	4	M 24	22	620
600	3	16	4	M 27	22	725

● BLIND TAPED HOLES

○ THROUGH HOLE



ANSI B16, class 150						
ND	ΔP (kg/cm²)	•	O	R UNC	P	ØK
2“	10	4	-	5/8“	8	120,6
2 1/2"	10	4	-	5/8“	8	139,7
3“	10	4	-	5/8“	9	152,4
4“	10	4	4	5/8“	9	190,5
5“	10	4	4	3/4"	9	215,9
6“	10	4	4	3/4"	10	241,3
8“	8	4	4	3/4"	10	298,4
10“	6	6	6	7/8“	12	361,9
12“	6	6	6	7/8“	12	431,8
14“	5	8	4	1“	21	476,2
16“	5	12	4	1“	21	539,7
18“	3	12	4	1 1/8“	22	577,8
20“	3	16	4	1 1/8“	22	635
24“	3	16	4	1 1/4"	22	749,3

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Stoffschieber, Gehäuse gummiert/
Knife gate valve, rubber covered body
Typ GL, DN 50 - 1400

Technische Daten	***Specification***
Bauform	***Design***
Zwischenflansch Stoffschieber	*Wafer type knife gate valve*
Gehäuse: GGG-50 EKB oder Edelstahl CF8M	*Body: GGG-50 EKB or stainless steel CF8M*
Schieberplatte: AISI 304	*Knife: AISI 304,*
Dichtung: Gummi (Standard), EPDM, NBR oder Viton	*Seat: natural Rubber (Standard), EPDM, NBR or Viton*
Stopfbuchspackung: Synth. + PTFE,	*Packing: Synth. + PTFE*
Flansche nach DIN 2501 PN 10	*Flanges according to DIN 2501 PN 10*

Typ PA-GL12:	***Typ PA-GL12:***
Steigende Spindel / nichtsteigendes Handrad	*Rising stem / nonrising handwheel*
Typ PA-GL30:	***Typ PA-GL30:***
Schnellschlusshebel	*Quick closing lever*
Typ PA-GL40:	***Typ PA-GL40:***
Pneumatikantrieb, doppelwirkend	*Pneumatic actuator, double acting*
Typ PA-GL50:	***Typ PA-GL50:***
Elektroantrieb, Typ AUMA SA	*Electric actuator, type AUMA SA*

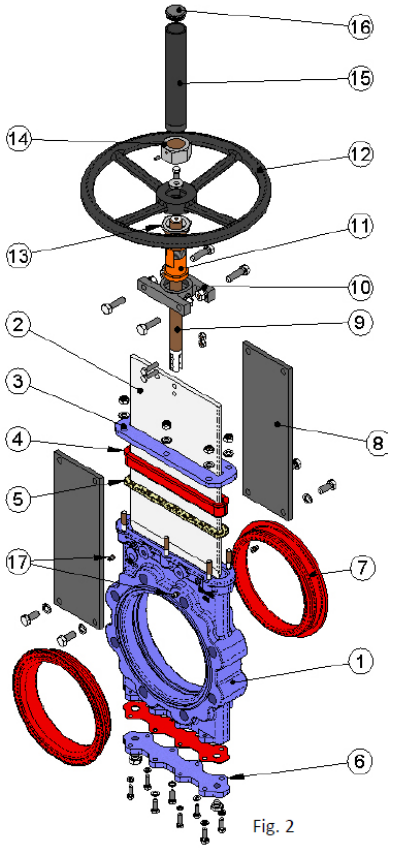

Fig. 2

STANDARD COMPONENTS LIST		
COMPONENT	WATERPROOF VERSION	STAINLESS STEEL VERSION
1- Body	GJS-500	CF8M
2- Gate	AISI304	AISI316
3- Packing gland	STEEL	AISI316
4- Packing seal.	NATURAL RUBBER	NATURAL RUBBER
5- Packing	GREASED PACK.	GREASED PACK.
6- Lower Cover	STEEL	AISI316
7- Sleeve	NATURAL RUBBER	NATURAL RUBBER
8- Support plates	STEEL	STEEL
9- Stem	AISI303	AISI303
10- Yoke	GJS-500	GJS-500
11- Stem nut	BRONZE	BRONZE
12- Handwheel	GJS-500	GJS-500
13- Stop nut	STEEL	STEEL
14- Hood nut	5.6 ZINC	5.6 ZINC
15- Hood	STEEL	STEEL
16- Protec. cap	PLASTIC	PLASTIC
17- Greaser (optional)	STEEL	STEEL

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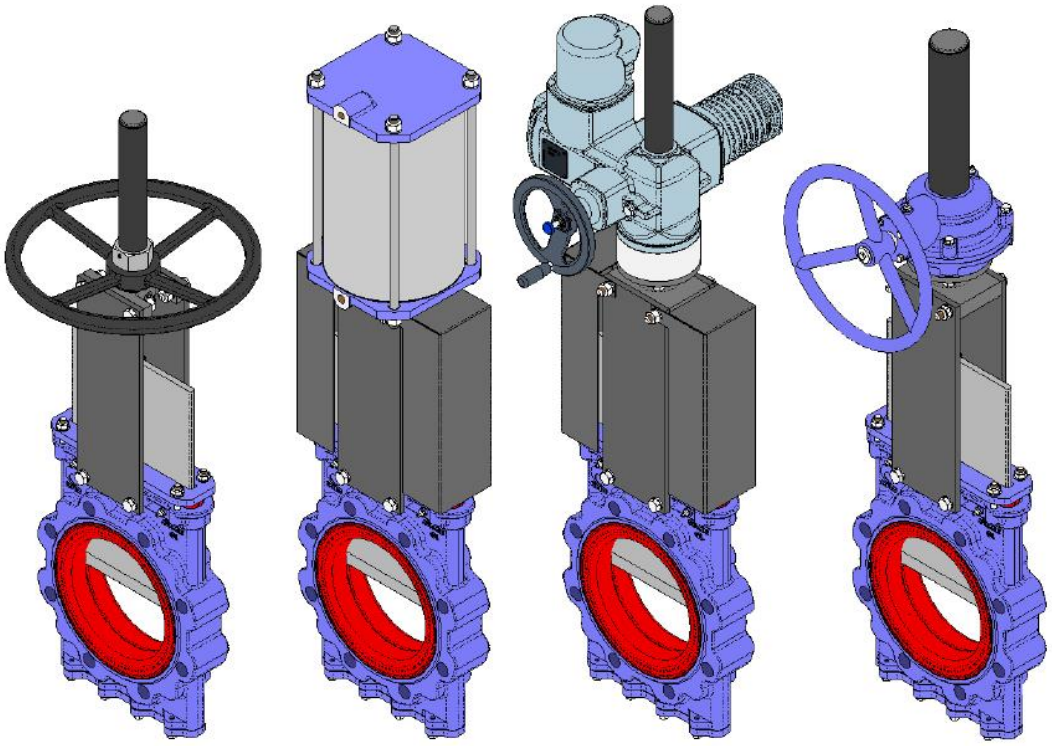

Handwheel with rising stem | Pneumatic actuator | Electric-motor actuator | Handwheel Gear box

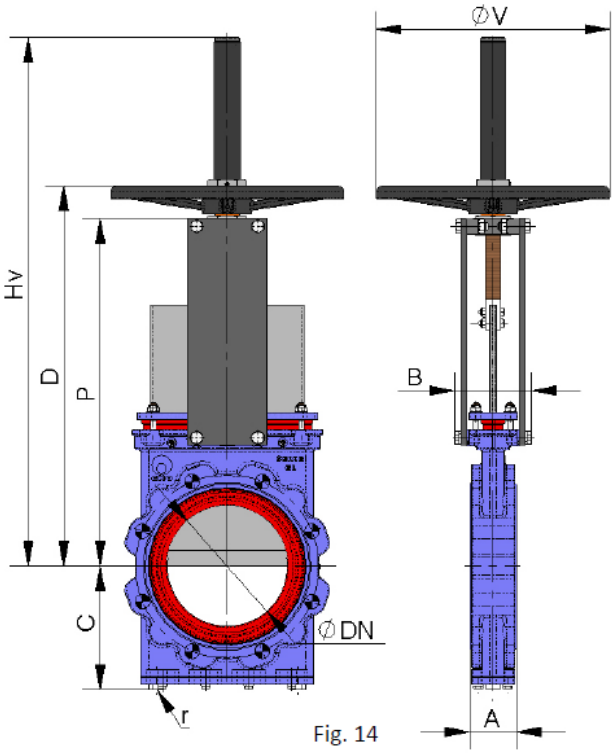

Fig. 14

DN	ΔP (Kg/cm²)	DRAW (Nw)	TORQUE (Nm)	A	B	C	P	D	Hv	ØV	WEIGHT (Kg)	r (B.S.P.)
50	10	920	2	54	109	106	280	319	451	225	12	1/4"
65	10	1553	4	54	109	113	306	345	502	225	14	1/4"
80	10	2352	5	57	109	122	332	372	553	225	18	1/4"
100	10	3674	8	57	109	136	368	407	589	225	21	1/4"
125	10	5739	16	64	126	153	421	474	675	325	26	1/4"
150	10	8267	24	64	126	168	466	519	759	325	33	1/4"
200	10	14709	42	76	126	199	565	618	958	325	52	3/8"
250	10	23001	89	76	197	234	626	750	1127	450	74	1/2"
300	10	33156	129	83	197	272	739	838	1230	450	98	1/2"
350	10	45198	175	83	350	297	842	--	--	--	--	1/2"
400	10	59178	263	96	350	330	933	--	--	--	--	3/4"
450	10	74891	333	96	350	355	1019	--	--	--	--	3/4"
500	10	92469	506	121	380	391	1156	--	--	--	--	3/4"
600	10	133494	730	121	400	461	1338	--	--	--	--	1"
700	6	109909	601	182	400	534	1425	--	--	--	--	1"
750	6	126159	690	188	400	559	1520	--	--	--	--	1"
800	6	143530	931	206	400	584	1615	--	--	--	--	1"
900	6	182412	1183	225	400	649	1823	--	--	--	--	1"
1000	4	151073	980	240	440	699	1992	--	--	--	--	1"

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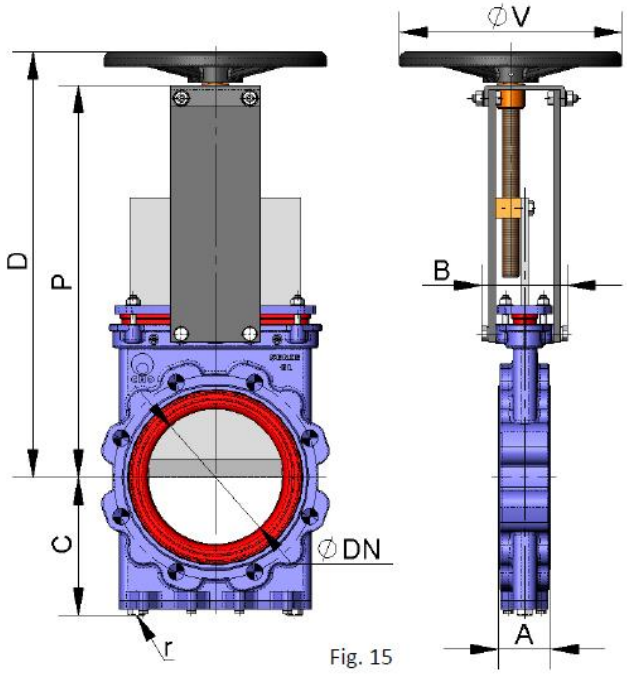

Fig. 15

DN	ΔP (Kg/cm²)	DRAW (Nw)	TORQUE (Nm)	A	B	C	P	D	ØV	r (B.S.P.)
50	10	920	2	54	109	106	280	319	225	1/4"
65	10	1553	4	54	109	113	306	345	225	1/4"
80	10	2352	5	57	109	122	332	372	225	1/4"
100	10	3674	8	57	109	136	368	407	225	1/4"
125	10	5739	16	64	126	153	421	474	325	1/4"
150	10	8267	24	64	126	168	466	519	325	1/4"
200	10	14709	42	76	126	199	565	618	325	3/8"
250	10	23001	89	76	197	234	626	750	450	1/2"
300	10	33156	129	83	197	272	739	838	450	1/2"
350	10	45198	175	83	350	297	842	--	--	1/2"
400	10	59178	263	96	350	330	933	--	--	3/4"
450	10	74891	333	96	350	355	1019	--	--	3/4"
500	10	92469	506	121	380	391	1156	--	--	3/4"
600	10	133494	730	121	400	461	1338	--	--	1"
700	6	109909	601	182	400	534	1425	--	--	1"
750	6	126159	690	188	400	559	1520	--	--	1"
800	6	143530	931	206	400	584	1615	--	--	1"
900	6	182412	1183	225	400	649	1823	--	--	1"
1000	4	151073	980	240	440	699	1992	--	--	1"

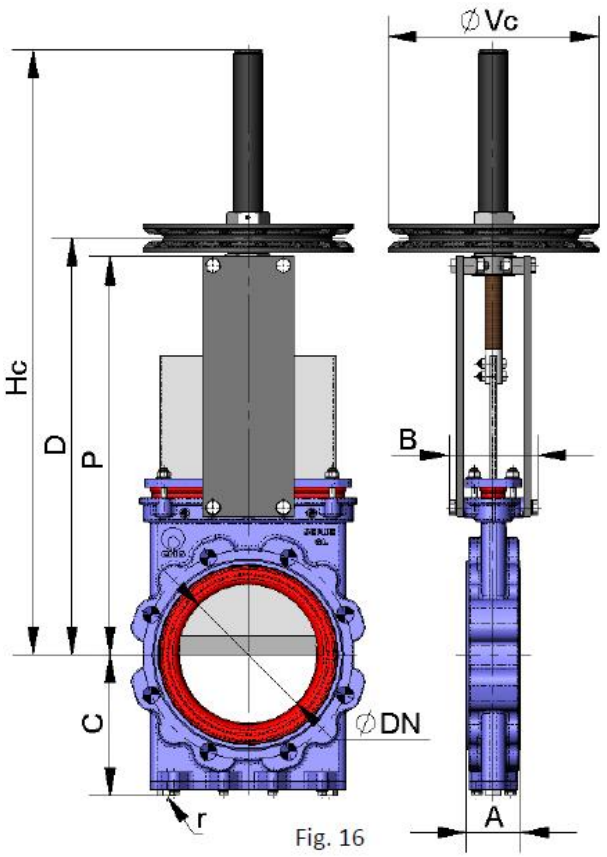

Fig. 16

DN	ΔP (Kg/cm²)	DRAW (Nw)	TORQUE (Nm)	A	B	C	P	D	Hc	ØVc	r (B.S.P.)
50	10	920	2	54	109	106	280	319	449	225	1/4"
65	10	1553	4	54	109	113	306	345	500	225	1/4"
80	10	2352	5	57	109	122	332	372	551	225	1/4"
100	10	3674	8	57	109	136	368	407	587	225	1/4"
125	10	5739	16	64	126	153	421	474	713	300	1/4"
150	10	8267	24	64	126	168	466	519	757	300	1/4"
200	10	14709	42	76	126	199	565	618	957	300	3/8"
250	10	23001	89	76	197	234	626	749	1125	402	1/2"
300	10	33156	129	83	197	272	739	837	1213	402	1/2"
350	10	45198	175	83	350	297	842	942	1384	402*	1/2"
400	10	59178	263	96	350	330	933	1033	1627	402*	3/4"
450	10	74891	333	96	350	355	1019	1119	1719	402*	3/4"
500	10	92469	506	121	380	391	1156	1256	1890	402*	3/4"
600	10	133494	730	121	400	461	1338	1438	2171	402*	1"
700	6	109909	601	182	400	534	1425	1525	2440	402*	1"
750	6	126159	690	188	400	559	1520	1620	2555	402*	1"
800	6	143530	931	206	400	584	1615	1715	2665	402*	1"
900	6	182412	1183	225	400	649	1823	1923	2823	402*	1"
1000	4	151073	980	240	440	699	1992	2092	3192	402*	1"

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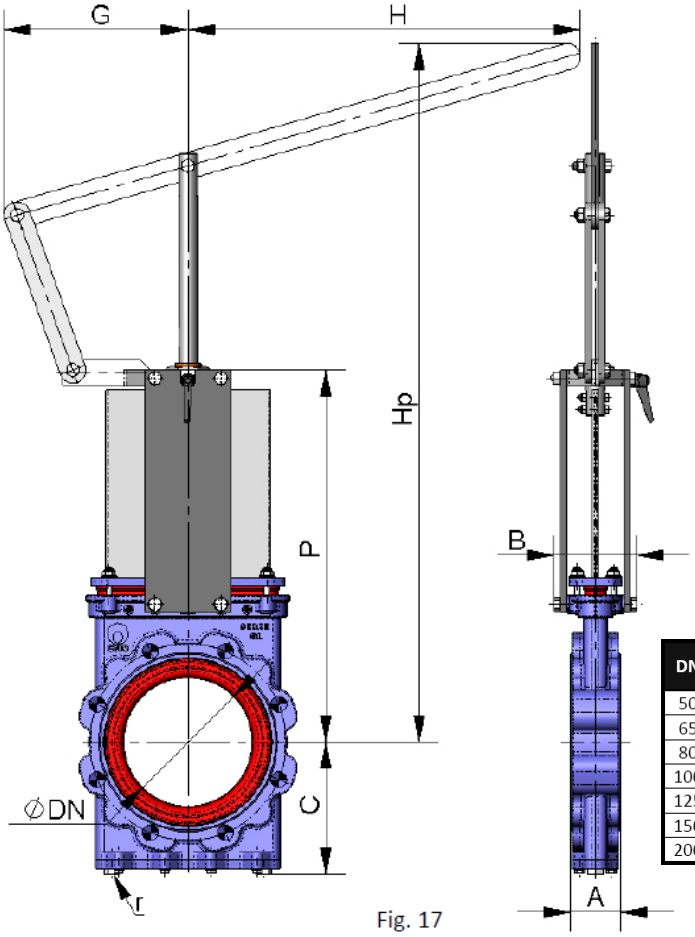

Fig. 17

DN	ΔP (Kg/cm²)	DRAW (Nw)	A	B	C	P	Hp	G	H	r (B.S.P.)
50	10*	188*	54	109	106	280	543	155	325	1/4"
65	10*	316*	54	109	113	306	564	155	325	1/4"
80	10*	477*	57	109	122	332	587	155	325	1/4"
100	10*	745*	57	109	136	368	639	155	325	1/4"
125	10*	1162*	64	126	153	421	942	155	425	1/4"
150	10*	1673*	64	126	168	466	1002	155	425	1/4"
200	10*	2971*	76	126	199	565	1068	290	620	3/8"

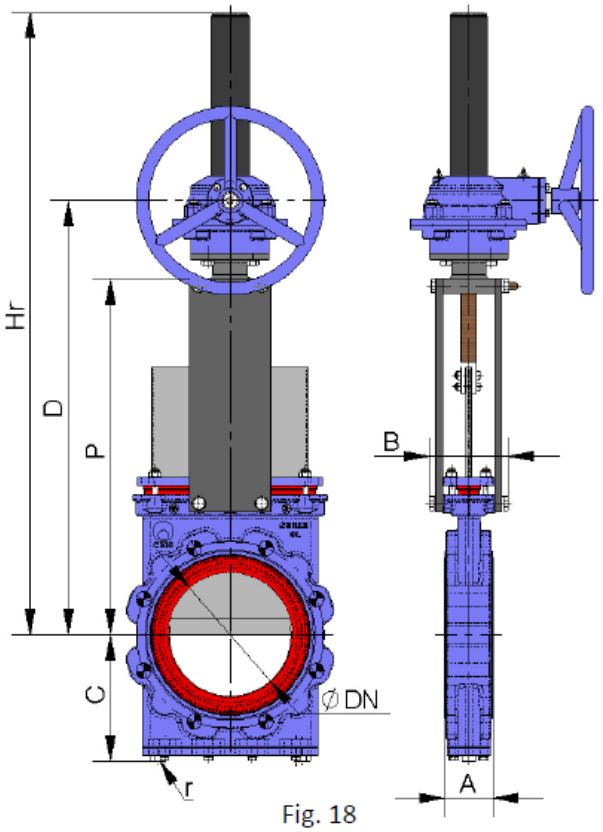

Fig. 18

DN	ΔP (Kg/cm²)	DRAW (Nw)	TORQUE (Nm)	A	B	C	P	D	Hr	r (B.S.P.)
50	10	920	2	54	109	106	280	402	581	1/4"
65	10	1553	4	54	109	113	306	446	621	1/4"
80	10	2352	5	57	109	122	332	454	633	1/4"
100	10	3674	8	57	109	136	368	490	669	1/4"
125	10	5739	16	64	126	153	421	565	800	1/4"
150	10	8267	24	64	126	168	466	589	848	1/4"
200	10	14709	42	76	126	199	565	689	948	3/8"
250	10	23001	89	76	197	234	626	735	1119	1/2"
300	10	33156	129	83	197	272	739	833	1217	1/2"
350	10	45198	175	83	350	297	842	935	1384	1/2"
400	10	59178	263	96	350	330	933	1028	1627	3/4"
450	10	74891	333	96	350	355	1019	1120	1719	3/4"
500	10	92469	506	121	380	391	1156	1275	1889	3/4"
600	10	133494	730	121	400	461	1338	1457	2171	1"
700	6	109909	601	182	400	534	1530	1764	2440	1"
750	6	126159	690	188	400	559	1637	1860	2555	1"
800	6	143530	931	206	400	584	1733	1950	2807	1"
900	6	182412	1183	225	400	649	1954	2090	3148	1"
1000	4	151073	980	240	440	699	2160	2233	3579	1"
1100	4	183808	1192	240	440	730	2310	2446	3779	1 ½"
1200	4	218843	1643	254	480	775	2551	2522	3807	1 ½"
1300	4	258248	1939	254	480	805	2882	3053	4482	1 ½"
1400	4	299637	2519	279	520	875	3250	3458	4952	1 ½"

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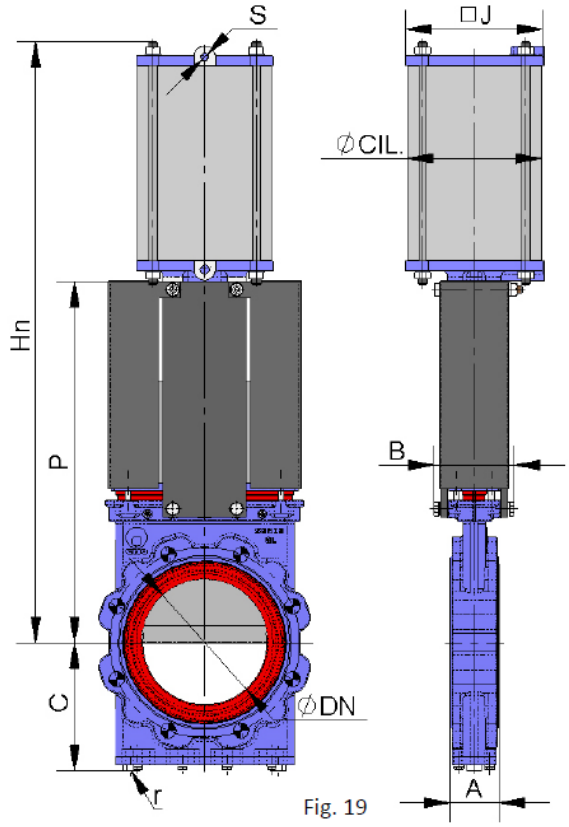

Fig. 19

DN	ΔP (*) (Kg/cm²)	DRAW (Nw)	A	B	C	P	Hn	J	Ø CYL	Ø STEM	S (B.S.P.)	WEIGHT (Kg)	r (B.S.P.)
50	10	920	54	109	106	280	475	96	80	20	1/4"	12	1/4"
65	10	1553	54	109	113	306	515	96	80	20	1/4"	14	1/4"
80	10	2352	57	109	122	332	555	115	100	20	1/4"	18	1/4"
100	10	3674	57	109	136	368	620	138	125	25	1/4"	23	1/4"
125	10	5739	64	126	153	421	700	175	160	30	1/4"	28	1/4"
150	10	8267	64	126	168	466	775	175	160	30	1/4"	38	1/4"
200	10	14709	76	126	199	565	940	218	200	30	3/8"	61	3/8"
250	10	23001	76	197	234	626	1140	270	250	40	3/8"	123	1/2"
300	10	33156	83	197	272	739	1300	382	300	45	1/2"	174	1/2"
350	10	45198	83	350	297	842	1485	444	350	45	1/2"	211	1/2"
400	10	59167	96	350	330	933	1655	508	400	50	1/2"	278	3/4"
450	10	74891	96	350	355	1019	1805	552	450	50	3/4"	368	3/4"
500	10	92453	121	380	391	1156	2000	612	500	50	3/4"	429	3/4"
600	10	133494	121	400	461	1338	2285	772	585	60	1"	503	1"
700	6	109856	182	400	534	1530	2495	772	635	60	1"	--	1"

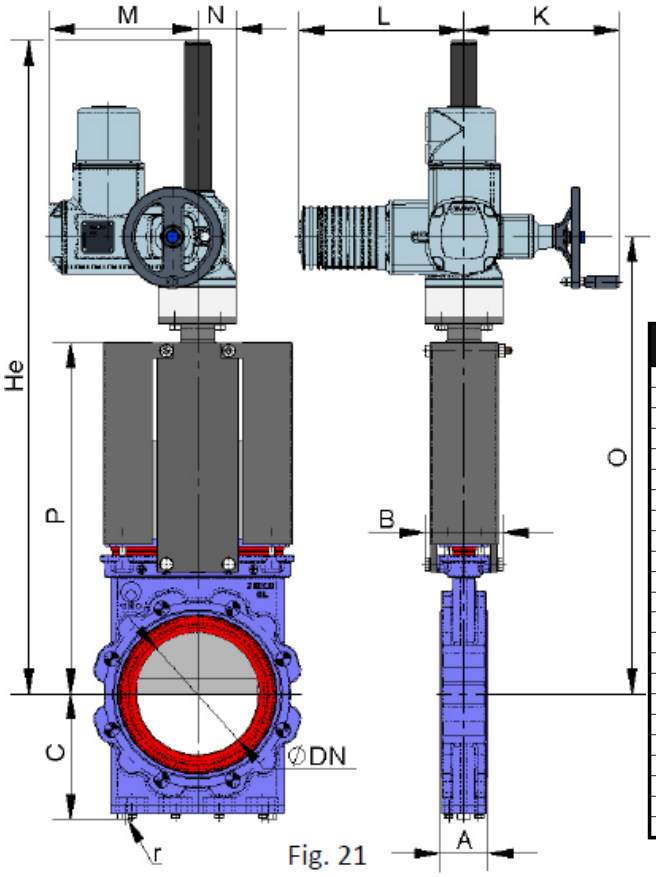

Fig. 21

DN	ΔP (Kg/cm²)	DRAW (Nw)	TORQUE (Nm)	A	B	C	P	K	L	M	N	O	He	r (B.S.P.)
50	10	920	2	54	109	106	280	249	265	238	62	436	631	1/4"
65	10	1553	4	54	109	113	306	249	265	238	62	462	657	1/4"
80	10	2352	5	57	109	122	332	249	265	238	62	488	683	1/4"
100	10	3674	8	57	109	136	368	249	265	238	62	524	719	1/4"
125	10	5739	16	64	126	153	421	249	265	238	62	574	769	1/4"
150	10	8267	24	64	126	168	466	249	265	238	62	624	819	1/4"
200	10	14709	42	76	126	199	565	249	265	238	62	723	1033	3/8"
250	10	23001	89	76	197	234	626	254	283	248	65	781	1121	1/2"
300	10	33156	129	83	197	272	739	254	283	248	65	879	1219	1/2"
350	10	45198	175	83	350	297	842	249	265	407	82	975	1384	1/2"
400	10	59178	263	96	350	330	933	254	283	424	82	1078	1627	3/4"
450	10	74891	333	96	350	355	1019	254	283	424	82	1170	1719	3/4"
500	10	92469	506	121	380	391	1156	336	389	479	103	1338	1889	3/4"
600	10	133494	730	121	400	461	1338	336	389	479	103	1520	2171	1"
700	6	109909	601	182	400	534	1530	336	389	479	103	1831	2440	1"
750	6	126159	690	188	400	559	1637	336	389	479	103	1927	2555	1"
800	6	143530	931	206	400	584	1733	339	389	528	136	2017	2807	1"
900	6	182412	1183	225	400	649	1954	339	389	528	136	2157	3148	1"
1000	4	151073	980	240	440	699	2160	339	389	528	136	2300	3579	1"
1100	4	183808	1192	240	440	730	2310	339	389	528	136	2513	3779	1 ½"
1200	4	218843	1643	254	480	775	2551	336	389	659	170	2589	3807	1 ½"
1300	4	258248	1939	254	480	805	2882	336	389	659	170	3120	4482	1 ½"
1400	4	299637	2519	279	520	875	3250	336	389	659	170	3525	4952	1 ½"

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EN 1092-2 PN10

DN	ΔP (Kg/cm²)	●	o	Métrica	P	ØK
50	10	4	-	M 16	14	125
65	10	4	-	M 16	14	145
80	10	8	-	M 16	14	160
100	10	8	-	M 16	14	180
125	10	8	-	M 16	15	210
150	10	8	-	M 20	15	240
200	10	8	-	M 20	17	295
250	10	12	-	M 20	17	350
300	10	12	-	M 20	20	400
350	10	12	4	M 20	21	460
400	10	12	4	M 24	23	515
450	10	16	4	M 24	24	565
500	10	16	4	M 24	25	620
600	10	16	4	M 27	26	725
700	6	20	4	M 27	26	840
750	6	20	4	M 30	26	900
800	6	20	4	M 30	26	950
900	6	24	4	M 30	26	1050
1000	6	24	4	M 33	27	1160
1100	6	28	4	M 33	27	1270
1200	6	28	4	M 36	29	1380
1300	6	28	4	M 36	29	1490
1400	6	24	12	M 39	30	1590

Table 13

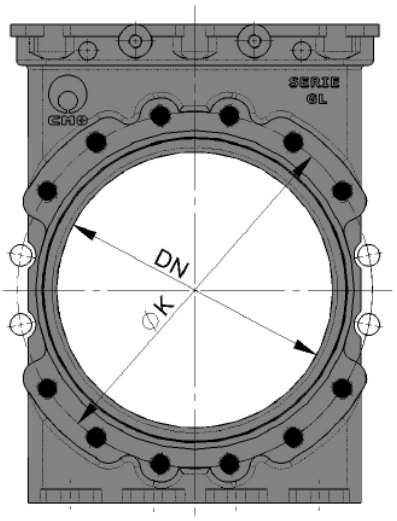

Fig. 23

● BLIND TAPPED HOLE
○ THROUGH HOLE

ANSI B16.5, class 150

DN	ΔP (Kg/cm²)	●	o	R UNC	P	ØK
2"	10	4	-	5/8"	0,55"	4,75"
2 1/2"	10	4	-	5/8"	0,55"	5,5"
3"	10	4	-	5/8"	0,55"	6"
4"	10	8	-	5/8"	0,55"	7,5"
5"	10	8	-	3/4"	0,59"	8,5"
6"	10	8	-	3/4"	0,59"	9,5"
8"	10	8	-	3/4"	0,67"	11,75"
10"	10	12	-	7/8"	0,67"	14,25"
12"	10	12	-	7/8"	0,79"	17"
14"	10	8	4	1"	0,83"	18,75"
16"	10	12	4	1"	0,91"	21,25"
18"	10	12	4	1⅛"	0,95"	22,75"
20"	10	16	4	1⅛"	1"	25"
24"	10	16	4	1¼"	1,02"	29,5"
28"	6	24	4	1¼"	1,02"	34"
30"	6	24	4	1¼"	1,02"	36"
32"	6	24	4	1½"	1,02"	38,5"
36"	6	28	4	1½"	1,02"	42,75"
40"	6	32	4	1½"	1,06"	47,25"

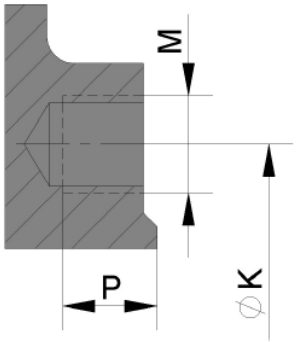

Fig. 24

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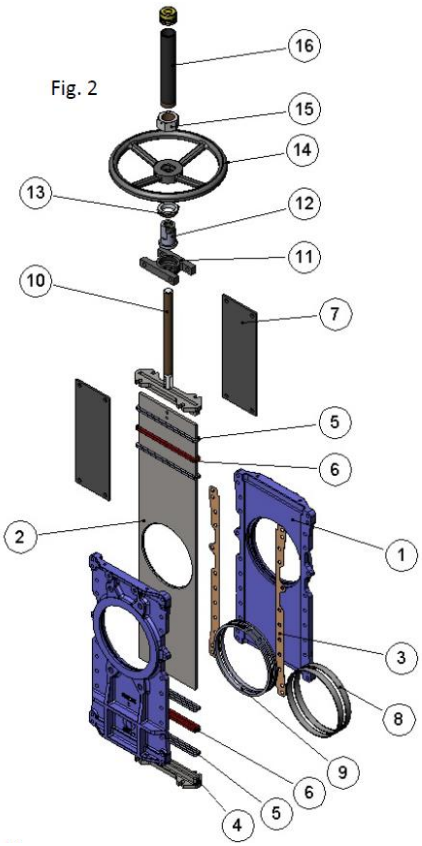
Stoffschieber, durchgehende Schieberplatte/
Knife gate valve, through-going gate
Typ L, DN 50 - 1300

Technische Daten	***Specification***
Bauform	***Design***
Zwischenflansch Stoffschieber	*Wafer type knife gate valve*
Gehäuse: GG-25 EKB, A216 WCB oder Edelstahl CF8M	*Body: GG-25 EKB, A216 WCB or stainless steel CF8M*
Schieberplatte: AISI 304	*Knife: AISI 304,*
Dichtung: EPDM (Standard), metallisch, NBR, Viton oder PTFE	*Seat: EPDM (Standard), metal seated, NBR, Viton or PTFE*
Stopfbuchspackung: Synth. + PTFE,	*Packing: Synth. + PTFE*
Flansche nach DIN 2501 PN 10	*Flanges according to DIN 2501 PN 10*

Typ PA-L12:	***Typ PA-L12:***
Steigende Spindel / nichtsteigendes Handrad	*Rising stem / nonrising handwheel*
Typ PA-L30:	***Typ PA-L30:***
Schnellschlusshebel	*Quick closing lever*
Typ PA-L40	***Typ PA-L40***
Pneumatikantrieb, doppelwirkend	*Pneumatic actuator, double acting*
Typ PA-L50	***Typ PA-L50***
Elektroantrieb, Typ AUMA SA	*Electric actuator, type AUMA SA*

Fig. 2



STANDARD COMPONENTS LIST		
COMPONENT	**CAST IRON VERSION**	**STAINLESS STEEL VERSION**
1- Body	GJL-250	CF8M
2- Gate	AISI304	AISI316
3- Seal	CARDBOARD	CARDBOARD
4- Packing gland	GJS-500	CF8M
5- Packing	SYNT + PTFE	SYNT + PTFE
6- Seal	EPDM	EPDM
7-Support plates	S275JR	S275JR
8- Ring	AISI316	AISI316
9- Seat	EPDM	EPDM
10- Stem	AISI303	AISI303
11- Bridge	STEEL	STEEL
12- Stem nut	BRONZE	BRONZE
13- Check nut	ST44.2 + ZINC	ST44.2 + ZINC
14- Handwheel	NODULAR CAST IRON	NODULAR CAST IRON
15- Nut	STEEL	STEEL
16- Cap	STEEL	STEEL

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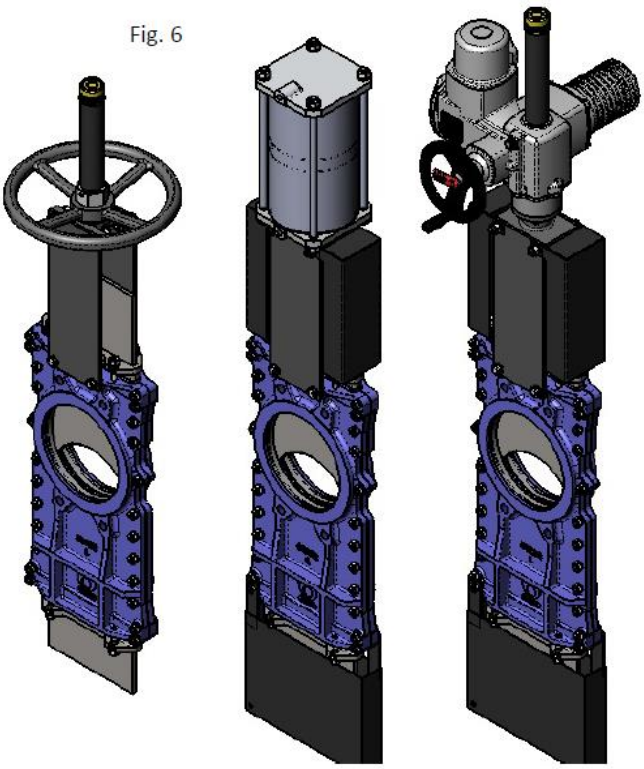
Fig. 6



Handwheel actuator | Pneumatic actuator | Motor actuator

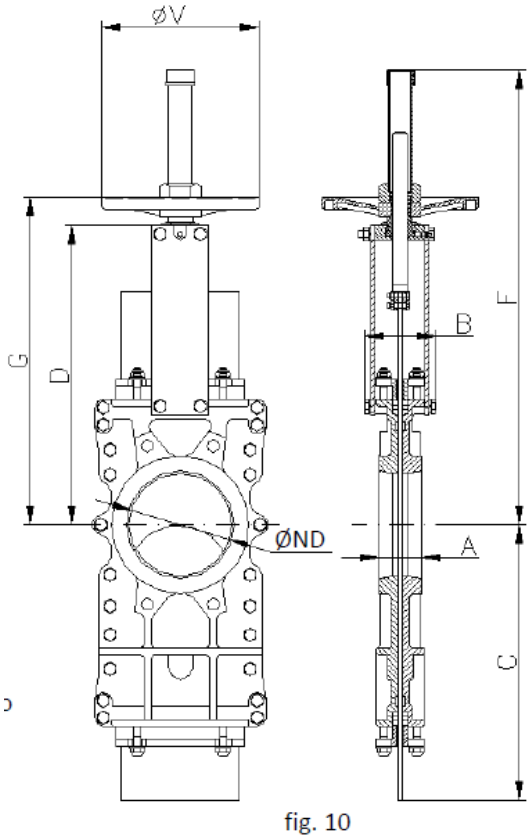


fig. 10

ND	ΔP (Kg/cm²)	DRAW (Nw)	TORQUE (Nm)	A	B	C	D	F	G	ØV	Weight (kg.)
50	10	894	2.1	40	91	225	243	412	282	225	12
65	10	1508	3.5	40	91	265	269	437	308	225	13
80	10	2281	5.2	50	91	310	293	462	332	225	17
100	10	3561	8.2	50	91	370	334	503	373	225	19
125	10	5565	13	50	101	430	367	586	407	225	28
150	10	6419	15	60	101	495	419	638	458	225	38
200	8	10020	29	60	118	630	525	816	578	325	54
250	6	11230	32.5	70	118	770	620	1017	679	325	88
300	6	16210	47	70	118	895	704	1117	779	380	112
350	5	17740	70	96	290	1050	780	1337	906	450	163
400	5	23260	92	100	290	1185	855	1443	1012	450	235
450	3	22260	89	106	290	1320	975	1629	1098	450	368
500	3	27470	110	110	290	1455	1064	1741	1210	450	471
600	3	39850	160	110	290	1720	1244	2047	1416	450	532
700	2	36880	212	110	320	1995	1425	--	--	--	936
800	2	48980	285	110	320	2230	1615	--	--	--	N.G.
900	2	61230	353	110	320	2465	1823	--	--	--	N.G.
1000	2	77690	457	110	320	2620	1992	--	--	--	N.G.
1100	2	95506	674	150	340	3030	2217	--	--	--	N.G.
1200	2	113710	802	150	340	3250	2351	--	--	--	N.G.

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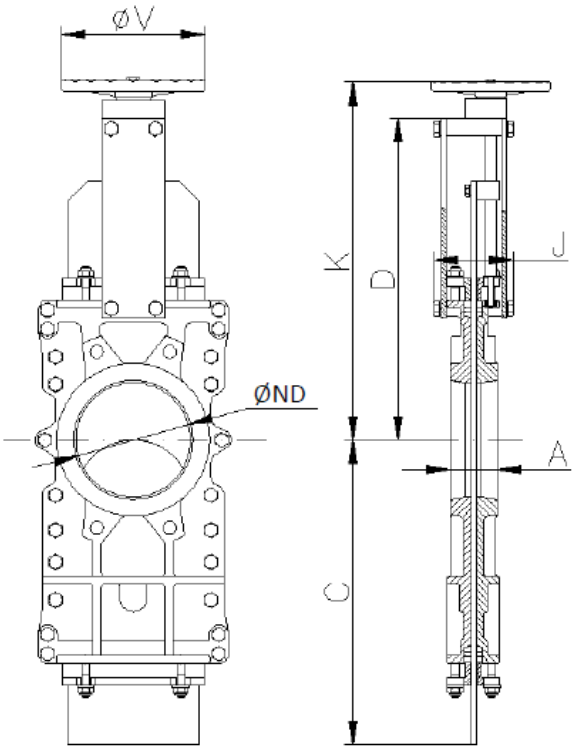

Fig. 11

ND	ΔP (Kg/cm²)	DRAW (Nw)	TORQUE (Nm)	A	C	D	J	K	ØV	Weight (kg.)
50	10	894	2.1	40	225	243	101	277	225	12
65	10	1508	3.5	40	265	269	101	304	225	13
80	10	2281	5.2	50	310	293	101	330	225	17
100	10	3561	8.2	50	370	334	101	370	225	19
125	10	5565	13	50	430	367	111	402	225	28
150	10	6419	15	60	495	419	111	454	225	38
200	8	10020	29	60	630	525	128	578	325	54
250	6	11230	32.5	70	770	620	128	679	325	88
300	6	16210	47	70	895	704	128	779	380	112
350	5	17740	70	96	1050	780	305	860	450	163
400	5	23260	92	100	1185	855	305	981	450	235
450	3	22260	89	106	1320	975	305	1067	450	368
500	3	27470	110	110	1455	1064	305	1179	450	471
600	3	39850	160	110	1720	1244	305	1386	450	532
700	2	36880	212	110	1995	1425	335	--	--	936
800	2	48980	285	110	2230	1615	335	--	--	N.G.
900	2	61230	353	110	2465	1823	335	--	--	N.G.
1000	2	77690	457	110	2620	1992	335	--	--	N.G.
1100	2	95506	674	150	3030	2217	355	--	--	N.G.
1200	2	113710	802	150	3250	2351	355	--	--	N.G.

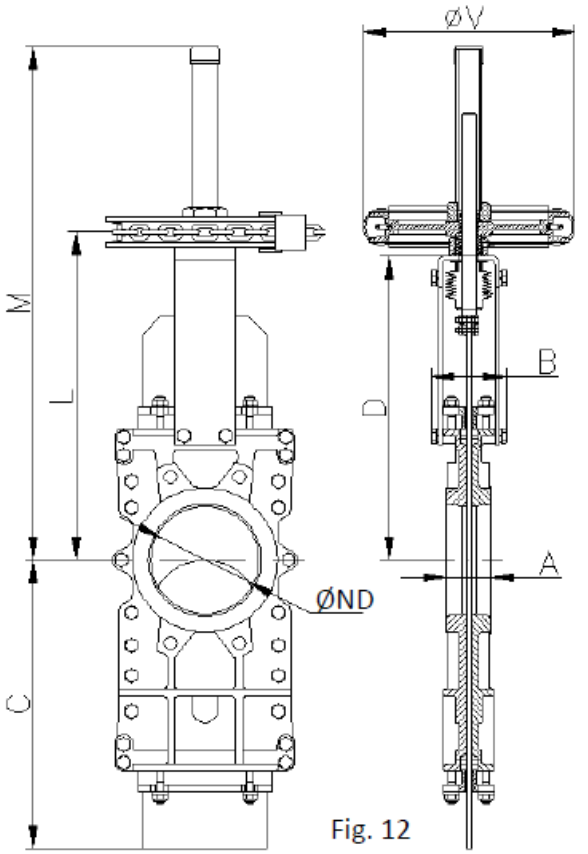

Fig. 12

ND	ΔP (Kg/cm²)	DRAW (Nw)	TORQUE (Nm)	A	B	C	D	L	M	ØV	Weight (kg.)
50	10	894	2.1	40	91	225	243	294	437	225	12
65	10	1508	3.5	40	91	265	269	319	464	225	13
80	10	2281	5.2	50	91	310	293	346	490	225	17
100	10	3561	8.2	50	91	370	334	386	530	225	19
125	10	5565	13	50	101	430	367	420	613	225	28
150	10	6419	15	60	101	495	419	471	665	225	38
200	8	10020	29	60	118	630	525	602	849	300	54
250	6	11230	32.5	70	118	770	620	697	1050	300	88
300	6	16210	47	70	118	895	704	797	1150	300	112
350	5	17740	70	96	290	1050	780	918	1398	402	163
400	5	23260	92	100	290	1185	855	998	1504	402	235
450	3	22260	89	106	290	1320	975	1078	1690	402	368
500	3	27470	110	110	290	1455	1064	1201	1802	402	471
600	3	39850	160	110	290	1720	1244	1329	2108	402	532
700	2	36880	212	110	320	1995	1425	1606	2406	402*	936
800	2	48980	285	110	320	2230	1615	1820	2720	402*	N.G.
900	2	61230	353	110	320	2465	1823	2053	3053	402*	N.G.
1000	2	77690	457	110	320	2620	1992	2257	3337	402*	N.G.
1100	2	95506	674	150	340	3030	2217	2546	3676	402*	N.G.
1200	2	113710	802	150	340	3250	2351	2836	4016	402*	N.G.

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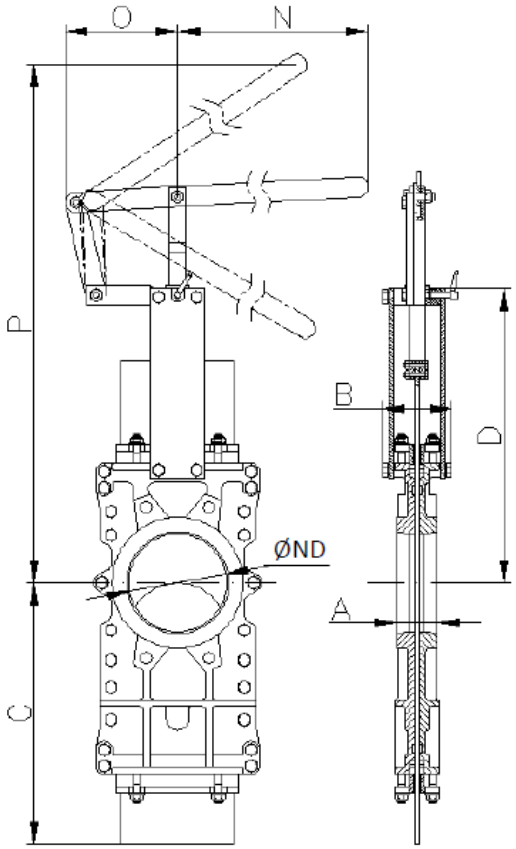

Fig. 13

ND	ΔP (Kg/cm²)	DRAW (Nw)	A	B	C	D	N	O	P	Weight (kg.)
50	10	894	40	91	225	243	325	155	504	13
65	10	1508	40	91	265	269	325	155	526	14
80	10	2281	50	91	310	293	325	155	549	18
100	10	3561	50	91	370	334	325	155	605	20
125	10	5565	50	101	430	367	425	155	902	29
150	10	6419	60	101	495	419	425	155	956	39
200	8	10020	60	118	630	525	620	290	1027	55
250	6	11230	70	118	770	620	620	290	1416	89
300	6	16210	70	118	895	704	620	290	1525	113

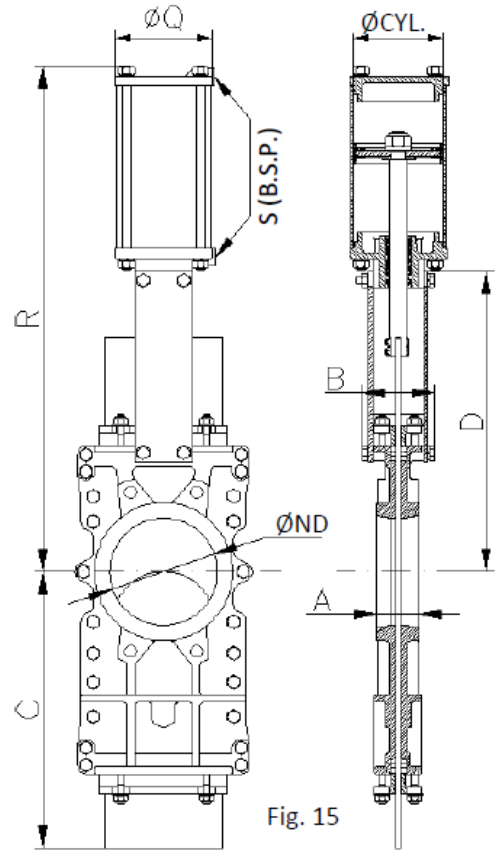

Fig. 15

ND	ΔP (Kg/cm²)	DRAW (Nw)	A	B	C	D	R	Ø CYL.	Ø ROD	ØQ	S (B.S.P.)	Weight (kg.)
50	10	894	40	91	225	243	416	80	20	90	1/4"	12
65	10	1508	40	91	265	269	456	80	20	90	1/4"	13
80	10	2281	50	91	310	293	497	80	20	90	1/4"	19
100	10	3561	50	91	370	334	561	100	20	110	1/4"	19
125	10	5565	50	101	430	367	636	125	25	135	1/4"	33
150	10	6419	60	101	495	419	717	125	25	170	1/4"	43
200	8	10020	60	118	630	525	874	160	30	215	1/4"	65
250	6	11230	70	118	770	620	1030	200	30	215	3/8"	104
300	6	16210	70	118	895	704	1160	200	30	270	3/8"	126
350	5	17740	96	290	1050	780	1364	250	40	270	3/8"	200
400	5	23260	100	290	1185	855	1482	250	40	270	3/8"	281
450	3	22260	106	290	1320	975	1662	300	45	270	1/2"	427
500	3	27470	110	290	1455	1064	1802	300	45	382	1/2"	540
600	3	39850	110	290	1720	1244	2081	300	45	444	1/2"	609
700	2	36880	110	320	1995	1425	2400	350	45	444	1/2"	1054
800	2	48980	110	320	2230	1615	2693	350	45	444	1/2"	N.G.
900	2	61230	110	320	2465	1823	3037	400	50	508	1/2"	N.G.
1000	*	*	110	320	2620	1992	3306	400	50	508	1/2"	N.G.
1100	*	*	150	340	3030	2217	3587	400	50	508	1/2"	N.G.
1200	*	*	150	340	3250	2351	3868	400	50	508	1/2"	N.G.

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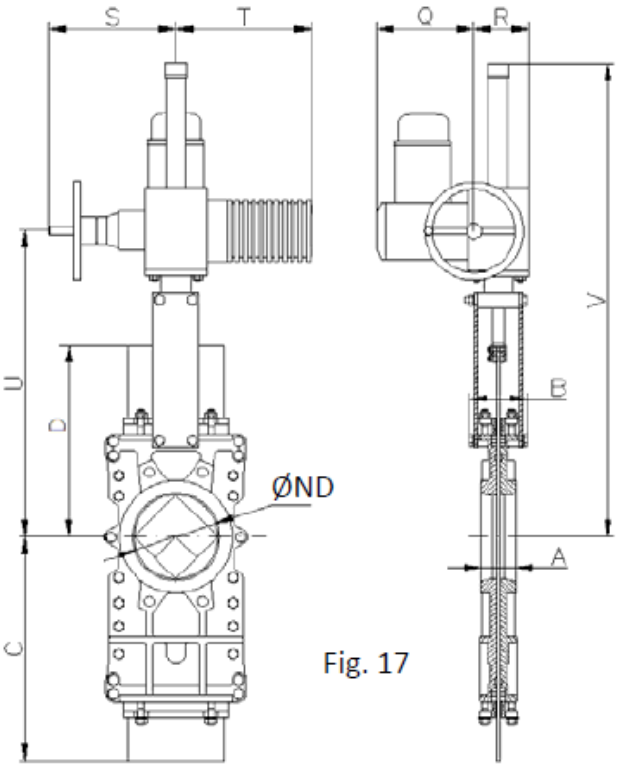

Fig. 17

ND	ΔP (Kg/cm²)	DRAW (Nw)	TORQUE (Nm)	A	B	C	D	Q	R	S	T	U	V	Weight (kg.)
50	10	894	2.1	40	91	225	243	197	102	234	265	347	587	32
65	10	1508	3.5	40	91	265	269	197	102	234	265	374	614	33
80	10	2281	5.2	50	91	310	293	197	102	234	265	400	640	37
100	10	3561	8.2	50	91	370	334	197	102	234	265	440	680	39
125	10	5565	13	50	101	430	367	197	102	234	265	473	713	48
150	10	6419	15	60	101	495	419	197	102	234	265	525	765	58
200	8	10020	29	60	118	630	525	197	102	234	265	640	880	74
250	6	11230	32.5	70	118	770	620	197	102	234	265	741	981	108
300	6	16210	47	70	118	895	726	197	102	234	265	841	1141	132
350	5	17740	70	96	290	1050	780	197	115	256	282	944	1347	189
400	5	23260	92	100	290	1185	855	197	115	256	282	1050	1550	261
450	3	22260	89	106	290	1320	975	222	153	325	385	1147	1847	368
500	3	27470	110	110	290	1455	1064	222	153	325	385	1259	1959	497
600	3	39850	160	110	290	1720	1244	222	153	325	385	1465	2165	584
700	2	36880	212	110	320	1995	1425	222	153	325	385	1651	2451	988
800	2	48980	285	110	320	2230	1615	222	153	332	385	1865	2665	N.G.
900	2	61230	353	110	320	2465	1823	222	153	332	385	2098	2998	N.G.
1000	2	77690	457	110	320	2620	1992	222	153	332	385	2288	3178	N.G.
1100	2	95506	674	150	340	3030	2217	227	195	355	510	2575	3675	N.G.
1200	2	113710	802	150	340	3250	2351	227	195	355	510	2866	4042	N.G.
1300	2	133563	943	150	390	3430	2882	227	195	355	510	3082	4382	N.G.
1400	2	157280	1298	150	390	3680	3250	222	153	332	385	3395	4852	N.G.
1500	2	180712	1493	170	426	3930	3517	222	153	332	385	3662	5217	N.G.
1600	2	205780	1904	170	426	4272	3775	227	195	355	510	3975	5575	N.G.
1700	2	236498	2214	190	440	4615	4008	227	195	355	510	1210	5908	N.G.
1800	2	264860	2477	190	440	4886	4242	227	195	355	510	1257	6242	N.G.
1900	2	299502	3213	210	480	5158	4390	227	195	355	510	4590	6490	N.G.
2000	2	331260	3549	210	480	5430	4540	227	195	355	510	4740	6740	N.G.

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EN 1092-2 PN10

ND	ΔP (Kg/cm²)	•	o	Metric	T	ØK
50	10	4	-	M 16	8	125
65	10	4	-	M 16	8	145
80	10	4	4	M 16	9	160
100	10	4	4	M 16	9	180
125	10	4	4	M 16	9	210
150	10	4	4	M 20	10	240
200	8	4	4	M 20	10	295
250	6	8	4	M 20	12	350
300	6	8	4	M 20	12	400
350	5	12	4	M 20	21	460
400	5	12	4	M 24	21	515
450	3	16	4	M 24	22	565
500	3	16	4	M 24	22	620
600	3	18	4	M 27	22	725
700	2	20	4	M 27	22	840
800	2	20	4	M 30	22	950
900	2	24	4	M 30	20	1050
1000	2	24	4	M 33	20	1160
1100	2	28	4	M 33	20	1270
1200	2	28	4	M 36	22	1380
1300	2	28	4	M 36	26	1490
1400	2	32	4	M 39	26	1590
1500	2	32	4	M 39	35	1700
1600	2	36	4	M 45	40	1820
1700	2	40	4	M 45	40	1920
1800	2	40	4	M 45	40	2020
1900	2	44	4	M 45	45	2120
2000	2	44	4	M 45	45	2230

table 12

ANSI B16, class 150

ND	ΔP (Kg/cm²)	•	o	R UNC	T	ØK
2"	10	4	-	5/8"	8	120,6
2 ½"	10	4	-	5/8"	8	139,7
3"	10	4	-	5/8"	9	152,4
4"	10	4	4	5/8"	9	190,5
5"	10	4	4	3/4"	9	215,9
6"	10	4	4	3/4"	10	241,3
8"	8	4	4	3/4"	10	298,4
10"	6	8	4	7/8"	12	361,9
12"	6	8	4	7/8"	12	431,8
14"	5	8	4	1"	21	476,2
16"	5	12	4	1"	21	539,7
18"	3	12	4	1⅛"	22	577,8
20"	3	16	4	1⅛"	22	635
24"	3	16	4	1¼"	22	749,3
28"	2	24	4	1¼"	22	863,6
30"	2	24	4	1¼"	22	914.4
32"	2	24	4	1½"	22	977,9
36"	2	28	4	1½"	20	1085,9
40"	2	32	4	1½"	20	1200,2

table 13

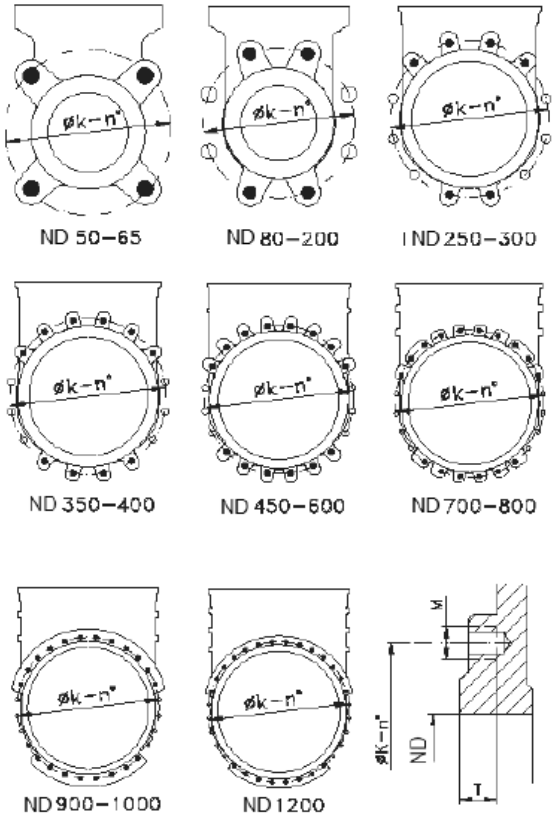
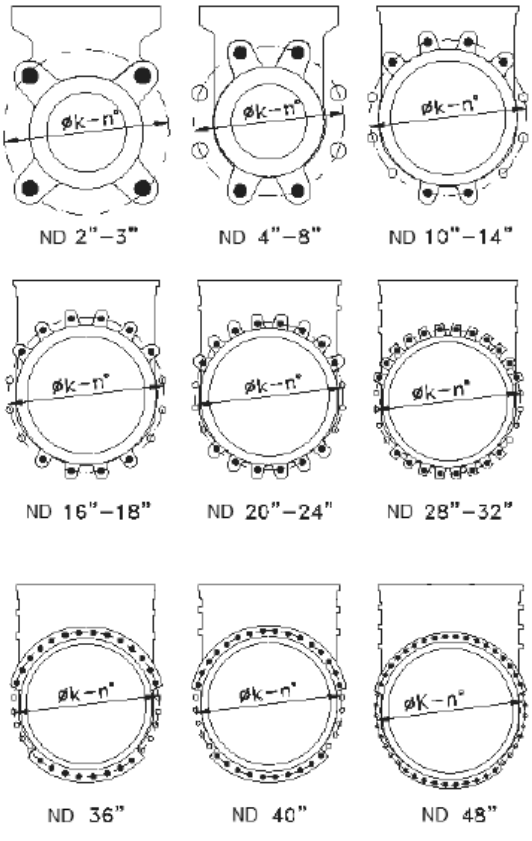


Fig. 19

• BLIND TAPED HOLES
o THROUGH HOLE



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Stoffschieber, beidseitig dichtend/
Knife gate valve, bidirectional
Typ PA-7300, DN 50 - 1200

Technische Daten	***Specification***
Bauform	***Design***
Zwischenflansch Stoffschieber	*Wafer type knife gate valve*
Gehäuse: EN-GJS-400-15 EKB	*body: EN-GJS-400-15 EKB*
Schieberplatte: AISI 304 oder AISI 316	*gate: AISI 304 or AISI 316*
Dichtung: NBR	*seat: NBR*
Stopfbuchspackung: NBR	*packing: NBR*
Oberteil: Edelstahl	*support plates: stainless stee*
nichtsteigende Spindel und Handrad	*non rising stem and handwheel*
Flansche nach DIN 2501 PN 10	*flanges according to DIN 2501 PN 10*
Baulänge nach EN 558-1 GR 20 (K1)	*face to face according EN 558-1 series 20 (K1)*
Typ PA-7300.125.NN:	***Type PA-7300.125.NN:***
Schieberplatte AISI 304	*gate AISI 304*
Typ PA-7300.126.NN:	***Type PA-7300.126.NN:***
Schieberplatte AISI 316	*gate AISI 316*

Werkstoffe / Zubehör, Materials / Equipment	
Gehäuse / Body	GGG nach EN-GJS-400-15 / GGG acc. to EN-GJS-400-15
Platte / Gate	Chromstahl 1.4301 oder 1.4571 / Stainless steel 1.4301 or 1.4571
Profildichtung im Gehäuse / Resilient profile seal	Ramie Packung / Ramie packing
U-Profildichtung / Sealing element in the body	NBR / NBR
Spindel / Stem	Chromstahl 1.4021 / Stainless steel 1.4021
Stehbolzen / Tie rods	Chromstahl 1.4021 / Stainless steel 1.4021
Spindelmutter / Stem nut	Bronze / Bronze
Schrauben und Muttern / Bolts and nuts	Chromstahl A2 / Stainless steel A2
Oberflächenschutz / Corrosion protection	Epoxy-pulverbeschichtet RAL 5015 / Epoxy powder coated RAL 5015
Handrad / Handwheel	Stahl, schwarz lackiert / Steel, black coated

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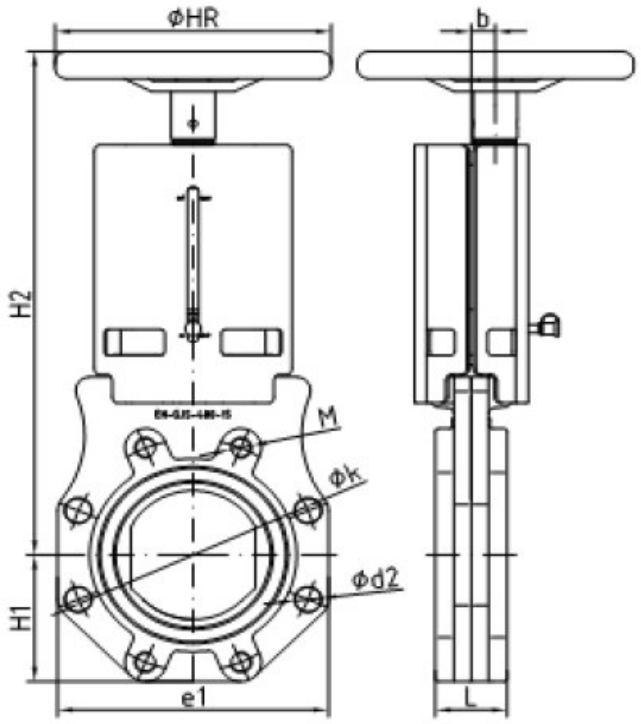
Verwendungsbereich: Wasser und Abwasser

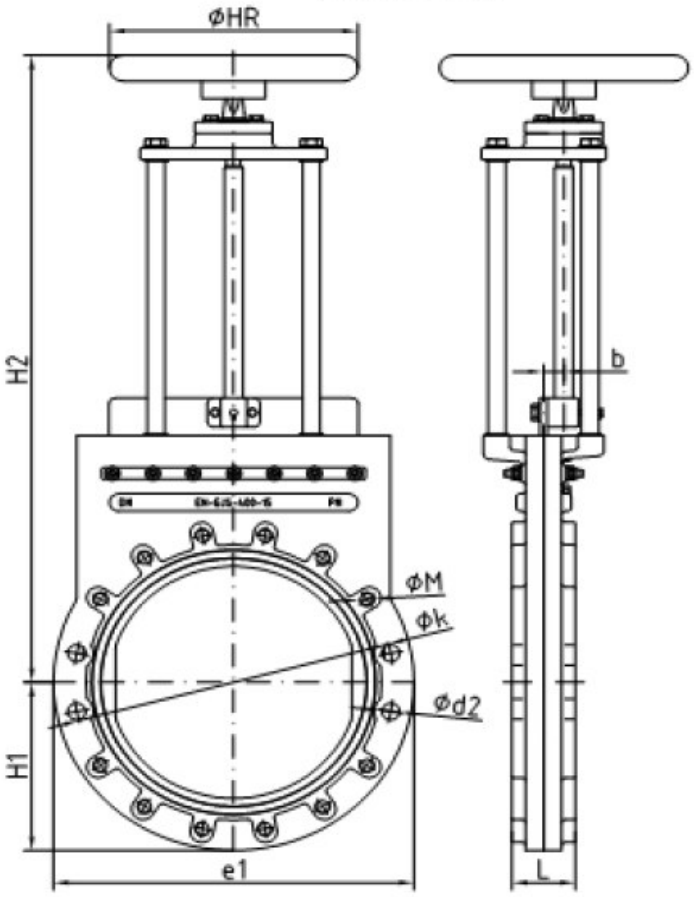
Range of application: water and waste water

Nennweite Size DN	Pressure rating Pressure rating PN	Wasser-Prüfdruck in bar Hydrost. test pressure in bar Gehäuse / Body	 Sitz / Seat	Zulässiger Betriebsdruck in bar Admissible working pressure in bar bis 70°C / up to 70°C
50 - 300	10	15	10	10
350 - 400	8	12	8	8
500 - 600	6	9	6	6
800 - 1200	2,5	3,75	2,5	2,5

Ausführung DN50-300/
design DN50-300



Ausführung DN350-600/
design DN350-600



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Nennweite Size	Baulänge nach Face to face length acc. to DIN EN 558-1 Reihe 20 / Series 20	Bauhöhe Height	Gewicht Weight	Volumen Volume
DN mm	L mm	H mm	 kg	 m^3
50	43	325	20	0,01
65	46	352	21	0,01
80	46	382	23	0,01
100	52	422	25	0,02
125	56	459	26	0,02
150	56	514	29	0,02
200	60	605	32	0,06
250	68	720	34	0,08
300	78	840	39	0,09
350	78	945	165	0,12
400	102	1025	220	0,20
450	114	1105	245	0,30
500	127	1280	290	0,35
600	154	1460	480	0,45
700	165	1660	620	0,60
800	190	1990	920	0,73
900	203	2150	1.150	0,86
1000	216	2320	1.350	1,15
1200	254	3500	1.600	1,30

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Stoffschieber, beidseitig dichtend/
Knife gate valve, bidirectional
Typ PA-7300, DN 50 - 1200

Technische Daten	***Specification***
Bauform	***Design***
Zwischenflansch Stoffschieber	*Wafer type knife gate valve*
Gehäuse: EN-GJS-400-15 EKB	*body: EN-GJS-400-15 EKB*
Schieberplatte: AISI 304 oder AISI 316	*gate: AISI 304 or AISI 316*
Dichtung: NBR	*seat: NBR*
Stopfbuchspackung: NBR	*packing: NBR*
Oberteil: Edelstahl	*support plates: stainless stee*
nichtsteigende Spindel und Handrad	*non rising stem and handwheel*
Flansche nach DIN 2501 PN 10	*flanges according to DIN 2501 PN 10*
Baulänge nach EN 558-1 GR 20 (K1)	*face to face according EN 558-1 series 20 (K1)*
Typ PA-7300.125.NN:	***Type PA-7300.125.NN:***
Schieberplatte AISI 304	*gate AISI 304*
Typ PA-7300.126.NN:	***Type PA-7300.126.NN:***
Schieberplatte AISI 316	*gate AISI 316*

Werkstoffe / Zubehör, Materials / Equipment	
Gehäuse / Body	GGG nach EN-GJS-400-15 / GGG acc. to EN-GJS-400-15
Platte / Gate	Chromstahl 1.4301 oder 1.4571 / Stainless steel 1.4301 or 1.4571
Profildichtung im Gehäuse / Resilient profile seal	Ramie Packung / Ramie packing
U-Profildichtung / Sealing element in the body	NBR / NBR
Spindel / Stem	Chromstahl 1.4021 / Stainless steel 1.4021
Stehbolzen / Tie rods	Chromstahl 1.4021 / Stainless steel 1.4021
Spindelmutter / Stem nut	Bronze / Bronze
Schrauben und Muttern / Bolts and nuts	Chromstahl A2 / Stainless steel A2
Oberflächenschutz / Corrosion protection	Epoxy-pulverbeschichtet RAL 5015 / Epoxy powder coated RAL 5015
Handrad / Handwheel	Stahl, schwarz lackiert / Steel, black coated

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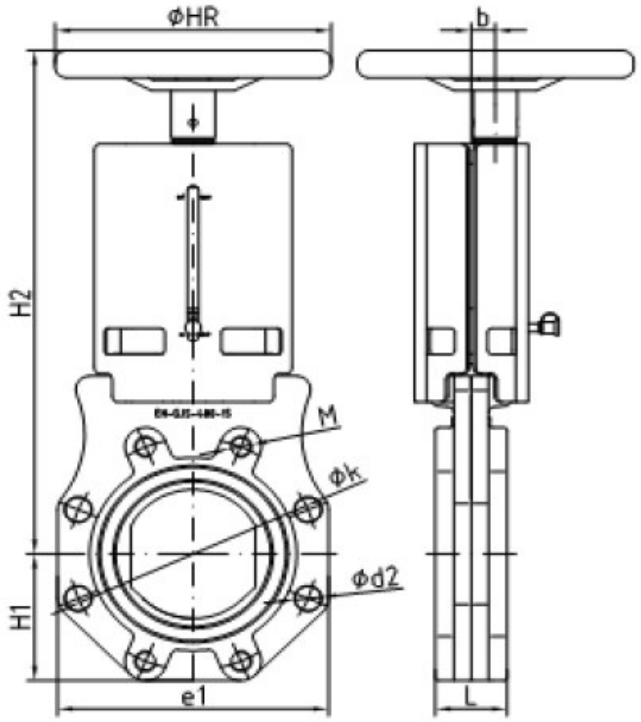
Verwendungsbereich: Wasser und Abwasser

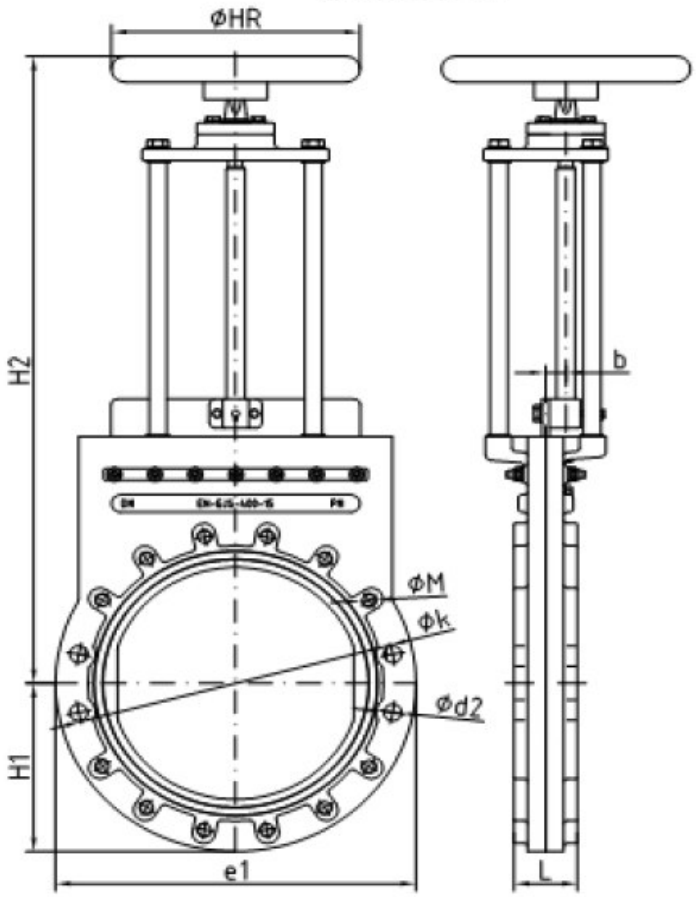
Range of application: water and waste water

Nennweite Size DN	Pressure rating Pressure rating PN	Wasser-Prüfdruck in bar Hydrost. test pressure in bar Gehäuse / Body	 Sitz / Seat	Zulässiger Betriebsdruck in bar Admissible working pressure in bar bis 70°C / up to 70°C
50 - 200	10	15	10	10
250 - 350	6	9	6	6
400 - 700	2,5	3,75	2,5	2,5
800 - 1200	1,6 - 2,0	2,4	1,6	1,6

Ausführung DN50-300/
design DN50-300



Ausführung DN350-600/
design DN350-600



 04-2020

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ARMATUREN GMBH

Nennweite Size	Baulänge nach Face to face length acc. to DIN EN 558-1 Reihe 20 / Series 20	Bauhöhe Height	Gewicht Weight	Volumen Volume
DN mm	L mm	H mm	 kg	 m^3
50	43	325	20	0,01
65	46	352	21	0,01
80	46	382	23	0,01
100	52	422	25	0,02
125	56	459	26	0,02
150	56	514	29	0,02
200	60	605	32	0,06
250	68	720	34	0,08
300	78	840	39	0,09
350	78	945	165	0,12
400	102	1025	220	0,20
450	114	1105	245	0,30
500	127	1280	290	0,35
600	154	1460	480	0,45
700	165	1660	620	0,60
800	190	1990	920	0,73
900	203	2150	1.150	0,86
1000	216	2320	1.350	1,15
1200	254	3500	1.600	1,30