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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*

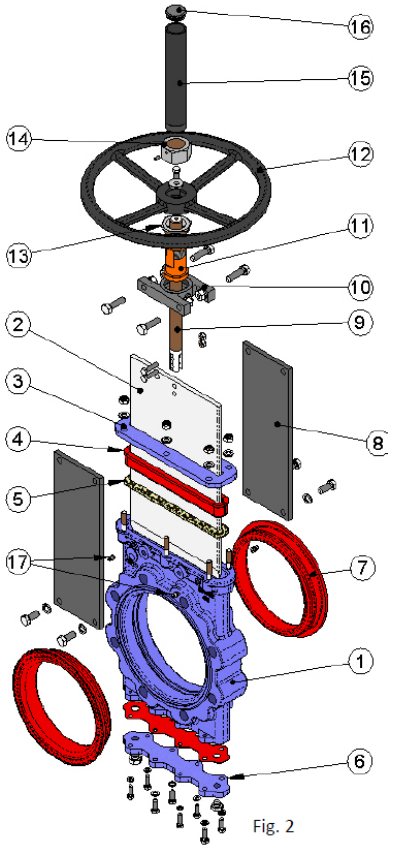

Fig. 2

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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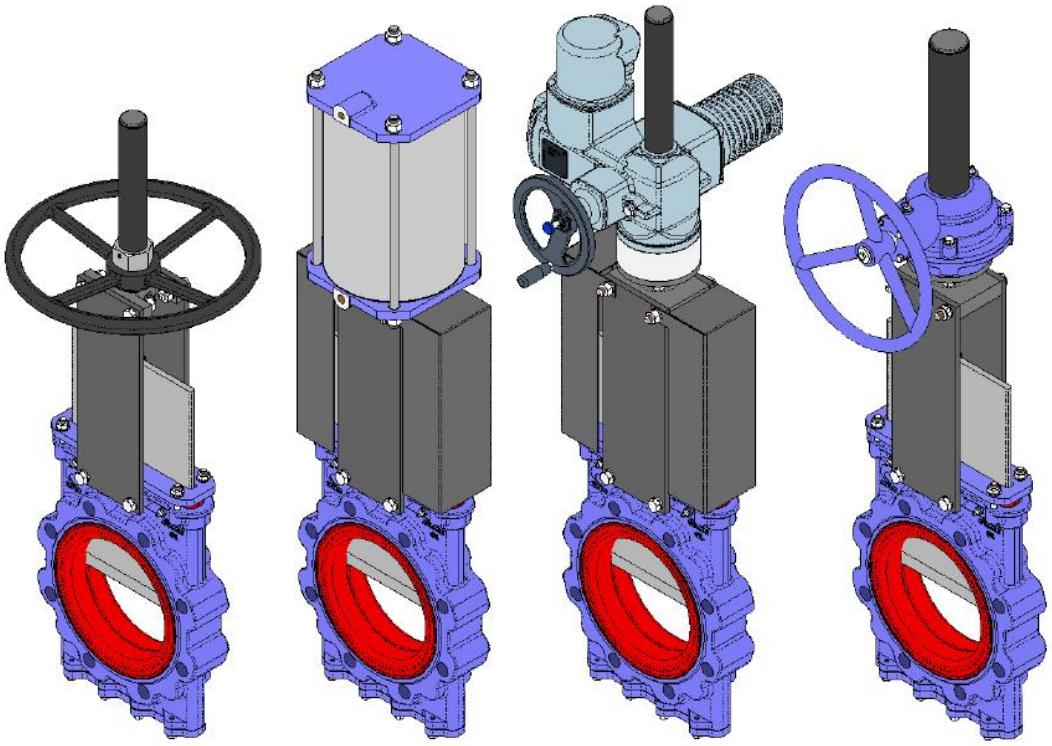

Handwheel with rising stem | Pneumatic actuator | Electric-motor actuator | Handwheel Gear box

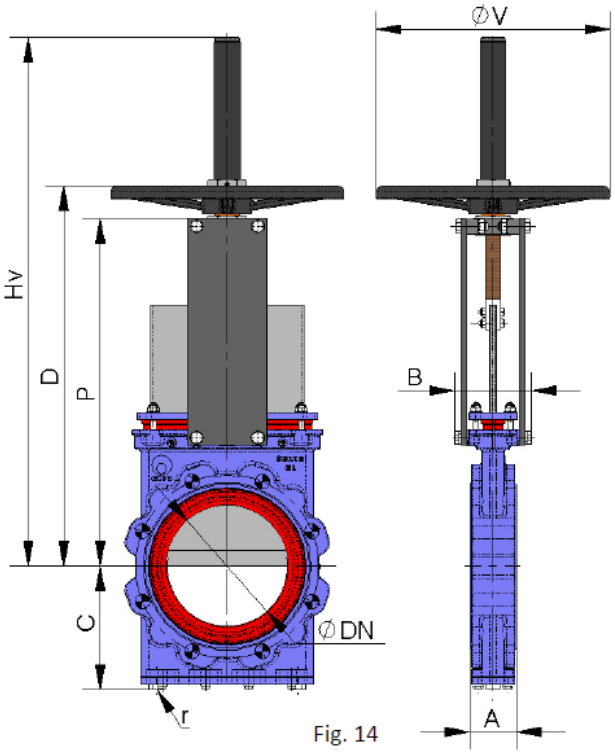

Fig. 14

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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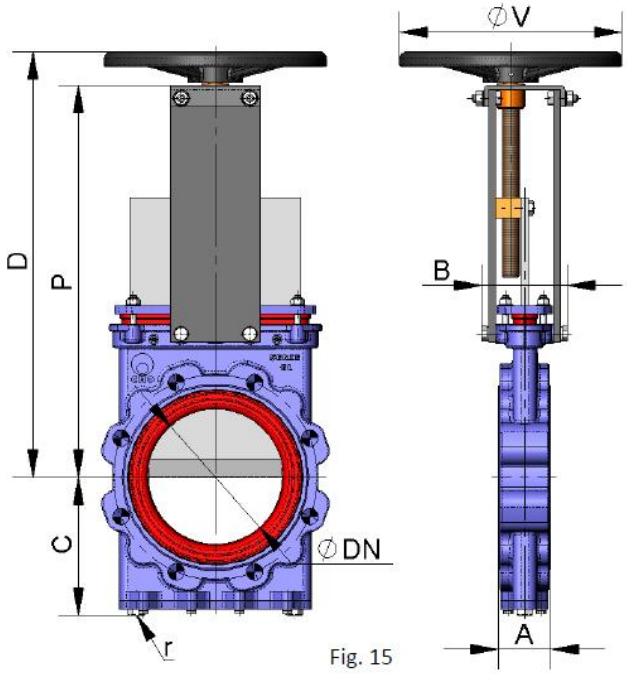

Fig. 15

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"

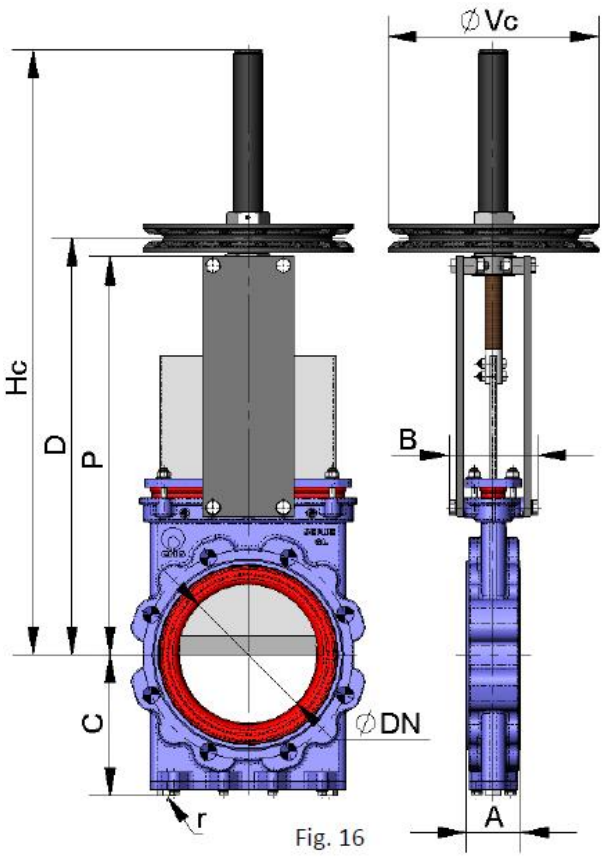

Fig. 16

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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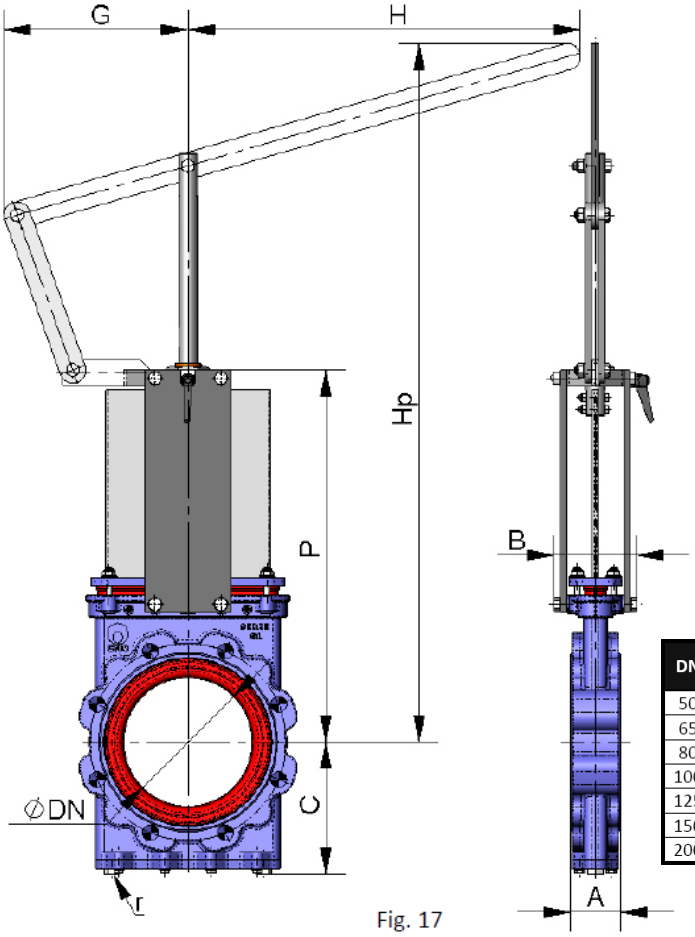

Fig. 17

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"

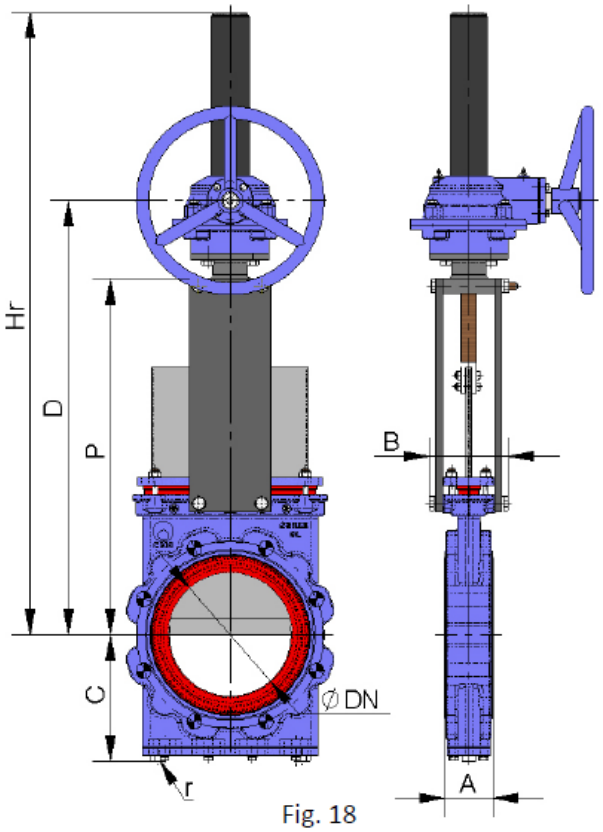

Fig. 18

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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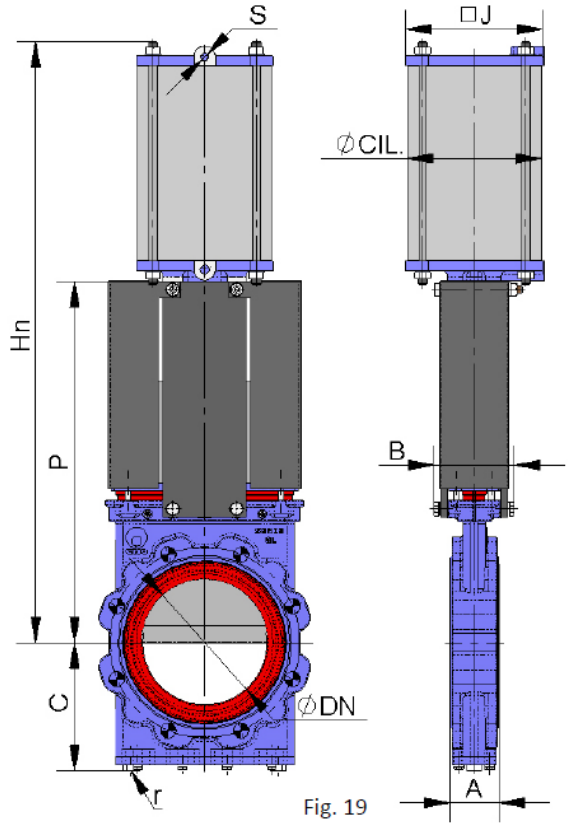

Fig. 19

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"

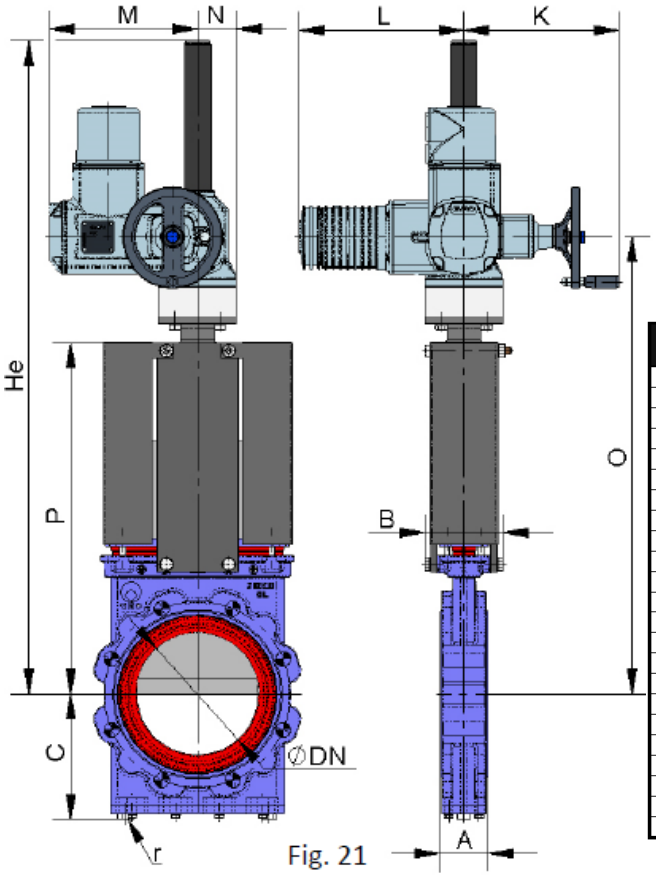

Fig. 21

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

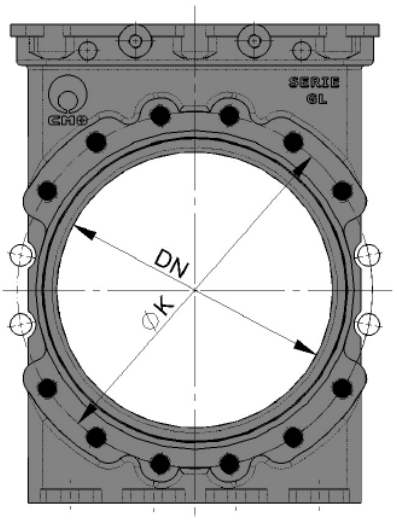

Fig. 23

● 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"

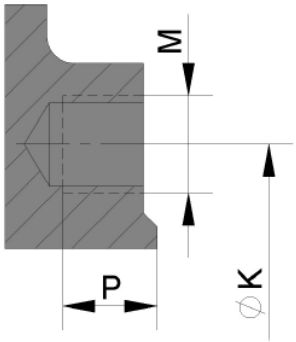

Fig. 24

