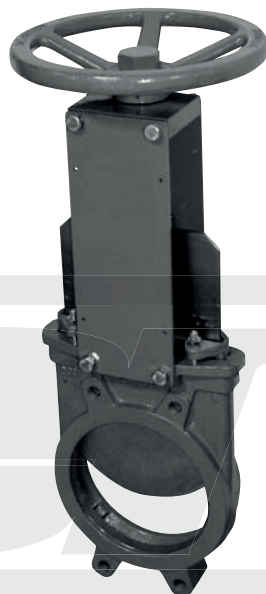
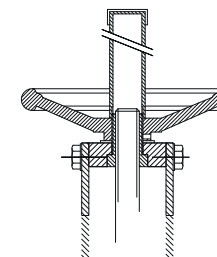


FERGO® FM200 - Knife Gate Valve

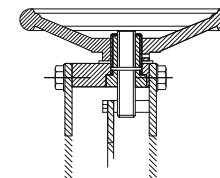


Operations

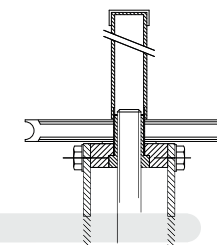
Handwheel, rising stem:



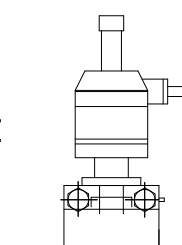
Handwheel:



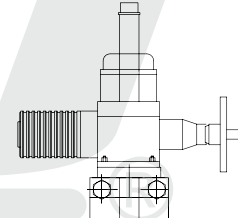
Chainwheel:



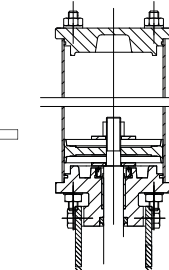
Gear box:



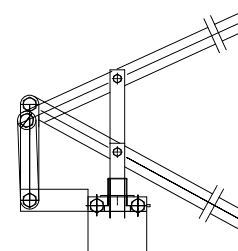
Electric actuator:



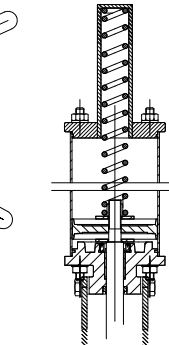
Pneumatic double acting:



Hand lever:



Pneumatic single acting:



The FERGO FM200 knife gate is an uni-directional wafer or lug valve designed for general industrial service applications. The design of the body and seat assures non-clogging shut off on suspended solids in industries such as:

- Pulp and Paper
- Wastewater treatment plants
- Food and Beverage
- Mining
- Power plants
- Chemical plants
- Bulk handling
- etc.

FM200

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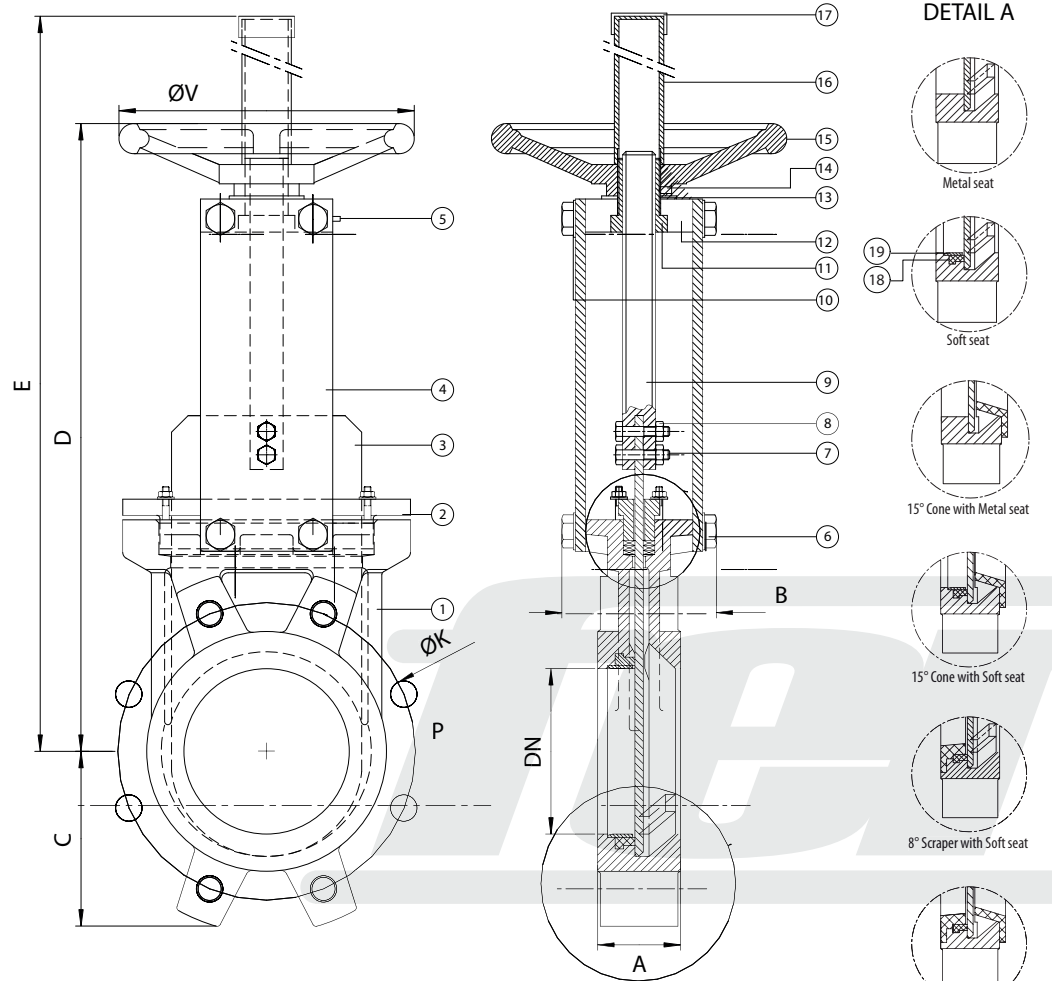
Blindeisenweg 31
D-41468 Neuss

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Fax: +49(0) 2131 - 15 39 28-99

Web: www.fergo.biz
E-Mail: info@fergo.biz

fergo®

Design and materials can be changed without notice. Errors and omissions excepted



DETAIL A

DETAIL B

Dimensions*

DN	INCH	A	B	C	D	D1	V	E	Kg
50	2"	40	92	63	295	200	200	417	7
65	2 1/2"	40	92	70	320	200	200	442	8
80	3"	50	92	92	346	200	200	469	9
100	4"	50	92	105	386	200	200	509	11
125	5"	50	102	120	420	250	250	593	15
150	6"	60	102	130	471	250	250	644	18
200	8"	60	119	160	582	300	300	825	30
250	10"	70	119	198	683	300	300	1026	44
300	12"	70	119	234	790	300	300	1126	58
350	14"	96	194	256	907	400	400	1357	96
400	16"	100	194	292	1014	400	400	1463	124
450	18"	106	290	308	1106	500	500	1651	168
500	20"	110	290	340	1211	500	500	1756	192
600	24"	110	290	400	1417	500	500	2062	245
700	28"	110	300	452	1675	600	600	2440	405
800	32"	110	300	505	1887	600	600	2665	455
900	36"	110	350	555		600	600		512
1000	40"	110	350	610					680
1200	48"	150	400	725					865

Materials*

	GG25 type	Stainless steel type
1 Body	GG25	1.4408/CF8M
2 Packing gland	Aluminium	1.4408/SS316
3 Gate	1.4301/SS304	1.4408/SS316
4 Support plates	Steel	Steel
5 Greaser	Aluminium	Aluminium
6 Nuts	Steel	Stainless steel
7 Nuts	Steel	Stainless steel
8 Nuts	Steel	Stainless steel
9 Shaft	1.4301/SS304	1.4301/SS304
10 Washer	Steel	Stainless steel
11 Actuator nut	Bronze	Bronze
12 Bridge	Steel	Steel
13 Washer	Brass	Brass
14 Prisoner	Inox	Inox
15 Handwheel	GG25	GG25
16 Tube	Steel	Steel
17 Cover	Plastic	Plastic
18 Seat	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
19 Sealing ring	1.4408/SS316	1.4408/SS316
20 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
21 Packing joint	EPDM / NBR / Viton / PTFE	
22 Gland studs	Steel	Stainless steel
23 Washer	Steel	Stainless steel
24 Nut	Steel	Stainless steel

Pressure

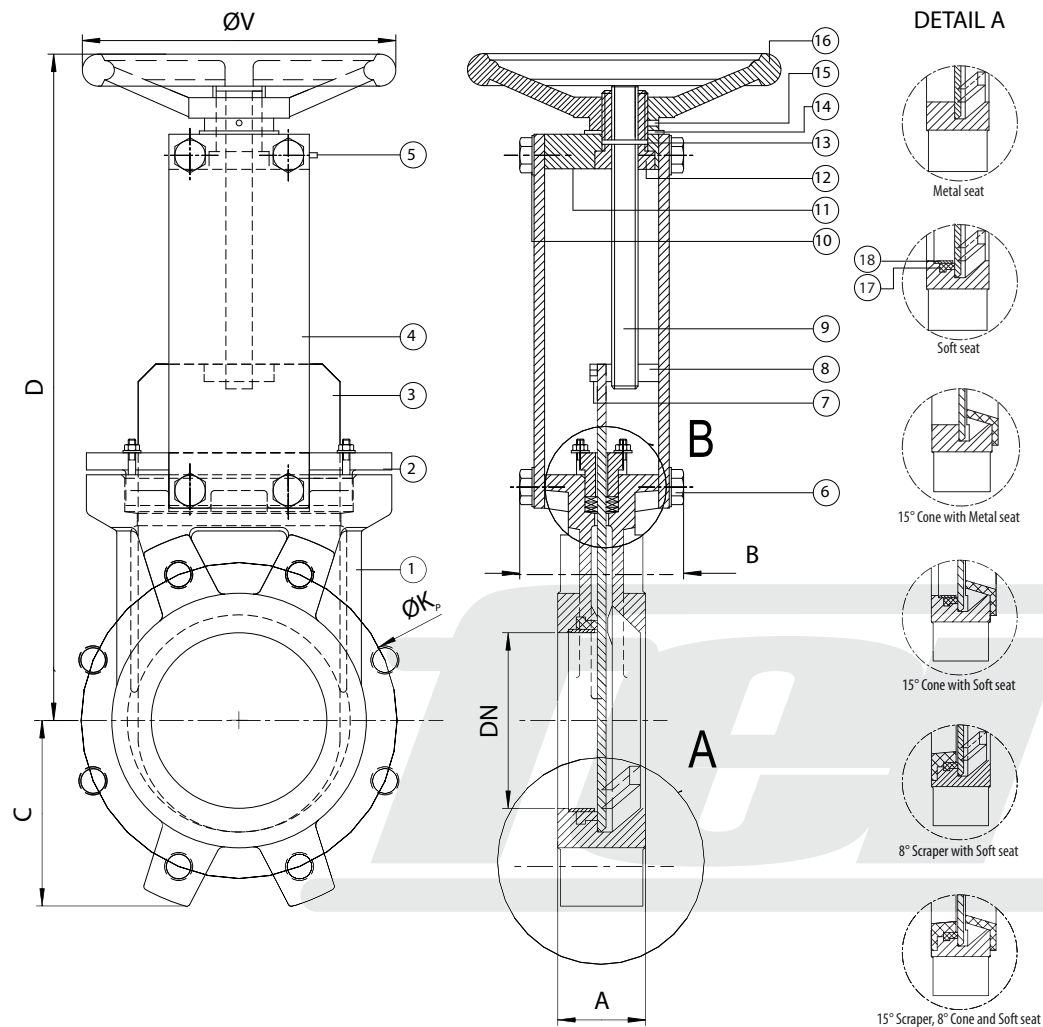
DN50 - DN250:	10 bar
DN300 - DN400:	6 bar
DN450:	5 bar
DN500 - DN600:	4 bar
DN700 - DN1200:	2 bar

Colour*

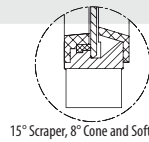
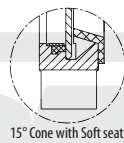
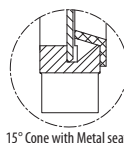
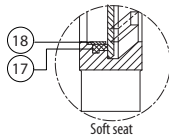
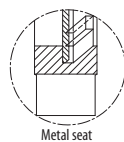
RAL 5015

Flanges drilled according to EN 1092-2 and DIN 2501: ISO PN10
(for further informations please visit our download section on our website)

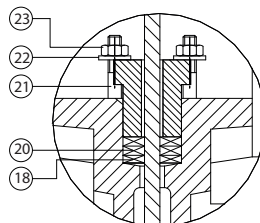
*Other dimensions / materials / colours on request



DETAIL A



DETAIL B



Dimensions*

DN	INCH	A	B	C	D	D1	V	E	Kg
50	2"	40	92	63	295	200	200	417	7
65	2 1/2"	40	92	70	320	200	200	442	8
80	3"	50	92	92	346	200	200	469	9
100	4"	50	92	105	386	200	200	509	11
125	5"	50	102	120	420	250	250	593	15
150	6"	60	102	130	471	250	250	644	18
200	8"	60	119	160	582	300	300	825	30
250	10"	70	119	198	683	300	300	1026	44
300	12"	70	119	234	790	300	300	1126	58
350	14"	96	194	256	907	400	400	1357	96
400	16"	100	194	292	1014	400	400	1463	124
450	18"	106	290	308	1106	500	500	1651	168
500	20"	110	290	340	1211	500	500	1756	192
600	24"	110	290	400	1417	500	500	2062	245

Materials*

	GG25 type	Stainless steel type
1 Body	GG25	1.4408/CF8M
2 Packing gland	Aluminium	1.4408/SS316
3 Gate	1.4301/SS304	1.4408/SS316
4 Support plates	Steel	Steel
5 Greaser	Aluminium	Aluminium
6 Bolts	Steel	Stainless steel
7 Manoeuvring bolt	Steel	Steel
8 Manoeuvring plug	Bronze	Bronze
9 Shaft	1.4301/SS304	1.4301/SS304
10 Washer	Steel	Stainless steel
11 Manoeuvring support	Steel	Bronze
12 Manoeuvring nut	Steel	Steel
13 Stop screw	1.4301/SS304	1.4301/SS304
14 Washer	Brass	Brass
15 Pin	1.4301/SS304	1.4301/SS304
16 Handwheel	GG25	Steel
17 Seat	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
18 Ring	1.4408/SS316	1.4408/SS316
19 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
20 Toric joint	EPDM / NBR / Viton / PTFE	
21 Studs	Steel	Stainless steel
22 Washer	Steel	Stainless steel
23 Nut	Steel	Stainless steel

Pressure

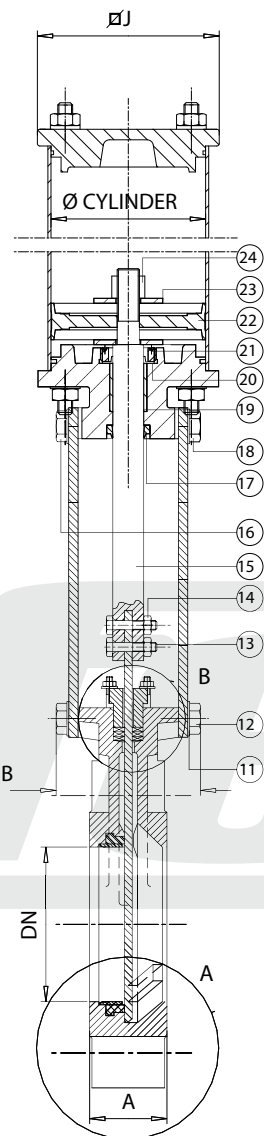
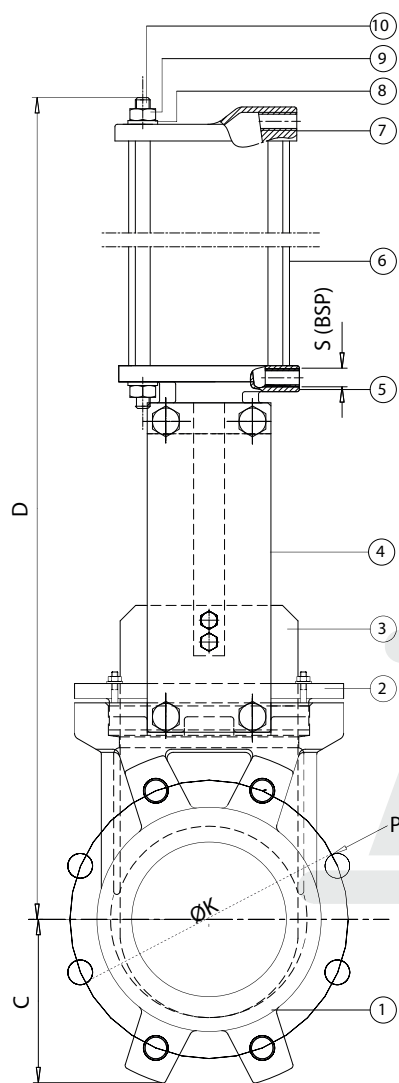
DN50 - DN250:	10 bar
DN300 - DN400:	6 bar
DN450:	5 bar
DN500 - DN600:	4 bar
DN700 - DN1200:	2 bar

Colour*

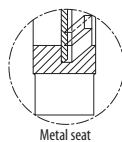
RAL 5015

Flanges drilled according to EN 1092-2 and DIN 2501: ISO PN10 (for further informations please visit our download section on our website)

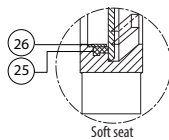
*Other dimensions / materials / colours on request



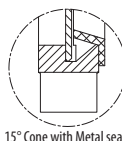
DETAIL A



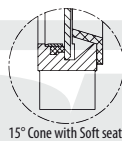
Metal seat



Soft seat



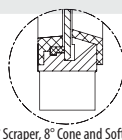
15° Cone with Metal seat



15° Cone with Soft seat

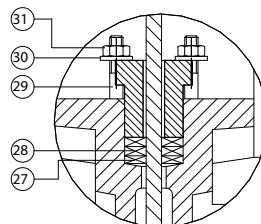


8° Scraper with Soft seat



15° Scraper, 8° Cone and Soft seat

DETAIL B



Dimensions*

DN	INCH	A	B	C	Cylinder	S	J	D	Kg
50	2"	40	92	63	80	1/4"	96	412	9
65	2 1/2"	40	92	70	80	1/4"	96	452	10
80	3"	50	92	92	80	1/4"	96	494	11
100	4"	50	92	105	100	1/4"	115	557	14
125	5"	50	102	120	125	1/4"	138	635	20
150	6"	60	102	130	125	1/4"	138	711	25
200	8"	60	119	160	160	1/4"	175	871	44
250	10"	70	119	198	200	3/8"	218	1027	67
300	12"	70	119	234	200	3/8"	218	1177	82
350	14"	96	194	256	250	3/8"	270	1380	135
400	16"	100	194	292	250	3/8"	270	1536	165
450	18"	106	290	308	300	3/8"	382	1691	220
500	20"	110	290	340	300	3/8"	382	1846	280
600	24"	110	290	400	300	3/8"	382	2152	330
700	28"	110	300	452	350	1/2"	426	2580	520
800	32"	110	300	505	350	1/2"	426	2890	585
900	36"	110	350	555	400	1/2"	538	3135	650
1000	40"	110	350	610	400	1/2"	538	3378	850
1200	48"	150	400	725	400	1/2"	538	4048	1060

Materials*

	GG25 type	Stainless steel type
1 Body	GG25	1.4408/CF8M
2 Packing gland	Aluminium	1.4408/SS316
3 Gate	1.4301/SS304	1.4408/SS316
4 Support plates	Steel	Steel
5 Bottom cover	Aluminium	Aluminium
6 Jacket	Aluminium	Aluminium
7 Top cover	Aluminium	Aluminium
8 Washer	Steel	Stainless steel
9 Nut	Steel	Stainless steel
10 Tie rods	Steel	Stainless steel
11 Washer	Steel	Stainless steel
12 Screw	Steel	Stainless steel
13 Nut	Steel	Stainless steel
14 Nut	Steel	Stainless steel
15 Shaft	1.4301/SS304	1.4408/SS316
16 Nut	Steel	Stainless steel
17 Scraper	NBR	NBR
18 Nut	Steel	Stainless steel
19 Gasket	Bronze	1.4408/SS316
20 Rubber joint	NBR	NBR
21 Joint gland	1.4408/SS316	1.4408/SS316
22 Piston gum	NBR	NBR
23 Washer	Steel	1.4408/SS316
24 Nut	Steel	Stainless steel
25 Seat joint	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
26 Sealing ring	1.4408/SS316	1.4408/SS316
27 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
28 Packing joint	EPDM / NBR / Viton / PTFE	
29 Gland fixing	Steel	Stainless steel
30 Washer	Steel	Stainless steel
31 Nut	Steel	Stainless steel

Pressure

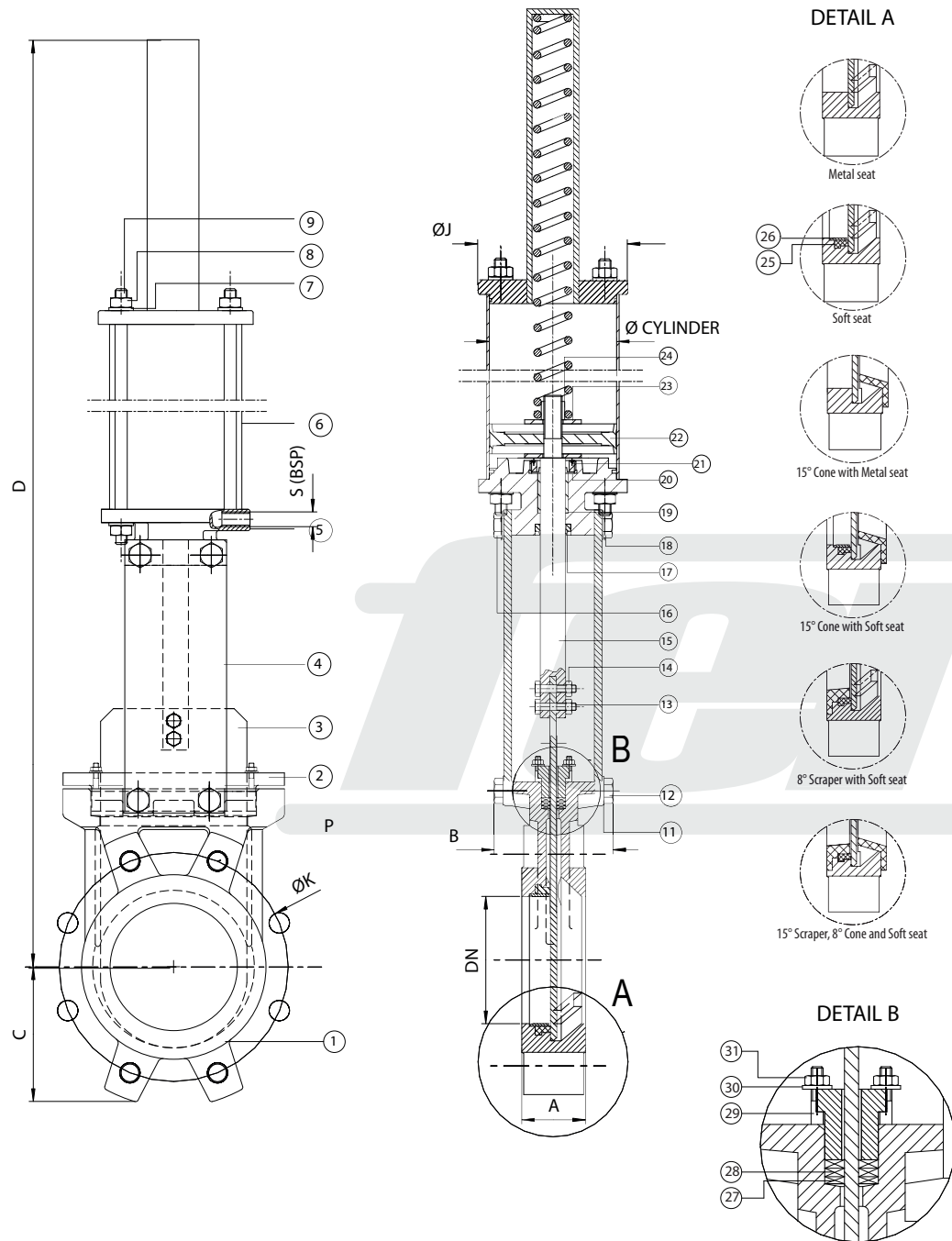
DN50 - DN250:	10 bar
DN300 - DN400:	6 bar
DN450:	5 bar
DN500 - DN600:	4 bar
DN700 - DN1200:	2 bar

Colour*

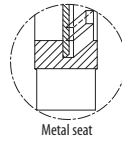


Flanges drilled according to
EN 1092-2 and DIN 2501: ISO PN10
(for further informations please visit our download
section on our website)

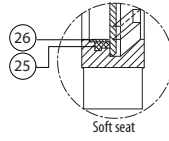
*Other dimensions / materials / colours on request



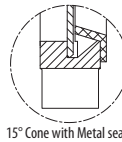
DETAIL A



Metal seat



Soft seat



15° Cone with Metal seat



15° Cone with Soft seat

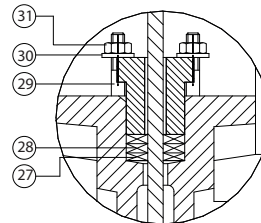


8° Scraper with Soft seat



15° Scraper, 8° Cone and Soft seat

DETAIL B



Dimensions*

DN	INCH	A	B	C	Cylinder	S	J	D
50	2"	40	92	63	80	1/4"	96	780
65	2 1/2"	40	92	70	80	1/4"	96	790
80	3"	50	92	92	80	1/4"	96	810
100	4"	50	92	105	100	1/4"	115	875
125	5"	50	102	120	125	1/4"	138	960
150	6"	60	102	130	125	1/4"	138	1066
200	8"	60	119	160	160	1/4"	175	1380
250	10"	70	119	198	200	3/8"	218	1792
300	12"	70	119	234	200	3/8"	218	2150

Materials*

	GG25 type	Stainless steel type
1 Body	GG25	1.4408/CF8M
2 Packing gland	Aluminium	1.4408/SS316
3 Gate	1.4301/SS304	1.4408/SS316
4 Support plates	Steel	Steel
5 Bottom cover	Aluminium	Aluminium
6 Jacket	Aluminium	Aluminium
7 Top cover	Aluminium	Aluminium
8 Washer	Steel	Stainless steel
9 Nut	Steel	Stainless steel
10 Tie rods	Steel	Stainless steel
11 Washer	Steel	Stainless steel
12 Screw	Steel	Stainless steel
13 Nut	Steel	Stainless steel
14 Nut	Steel	Stainless steel
15 Shaft	1.4205/SS304	1.4408/SS316
16 Nut	Steel	Stainless steel
17 Scraper	NBR	NBR
18 Nut	Steel	Stainless steel
19 Gasket	Bronze	1.4408/SS316
20 Rubber joint	NBR	NBR
21 Joint gland	1.4408/SS316	1.4408/SS316
22 Piston gum	NBR	NBR
23 Washer	Steel	1.4408/SS316
24 Nut	Steel	Stainless steel
25 Seat joint	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
26 Sealing ring	1.4408/SS316	1.4408/SS316
27 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
28 Packing joint	EPDM / NBR / Viton / PTFE	
29 Gland fixing	Steel	Stainless steel
30 Washer	Steel	Stainless steel
31 Nut	Steel	Stainless steel

Pressure

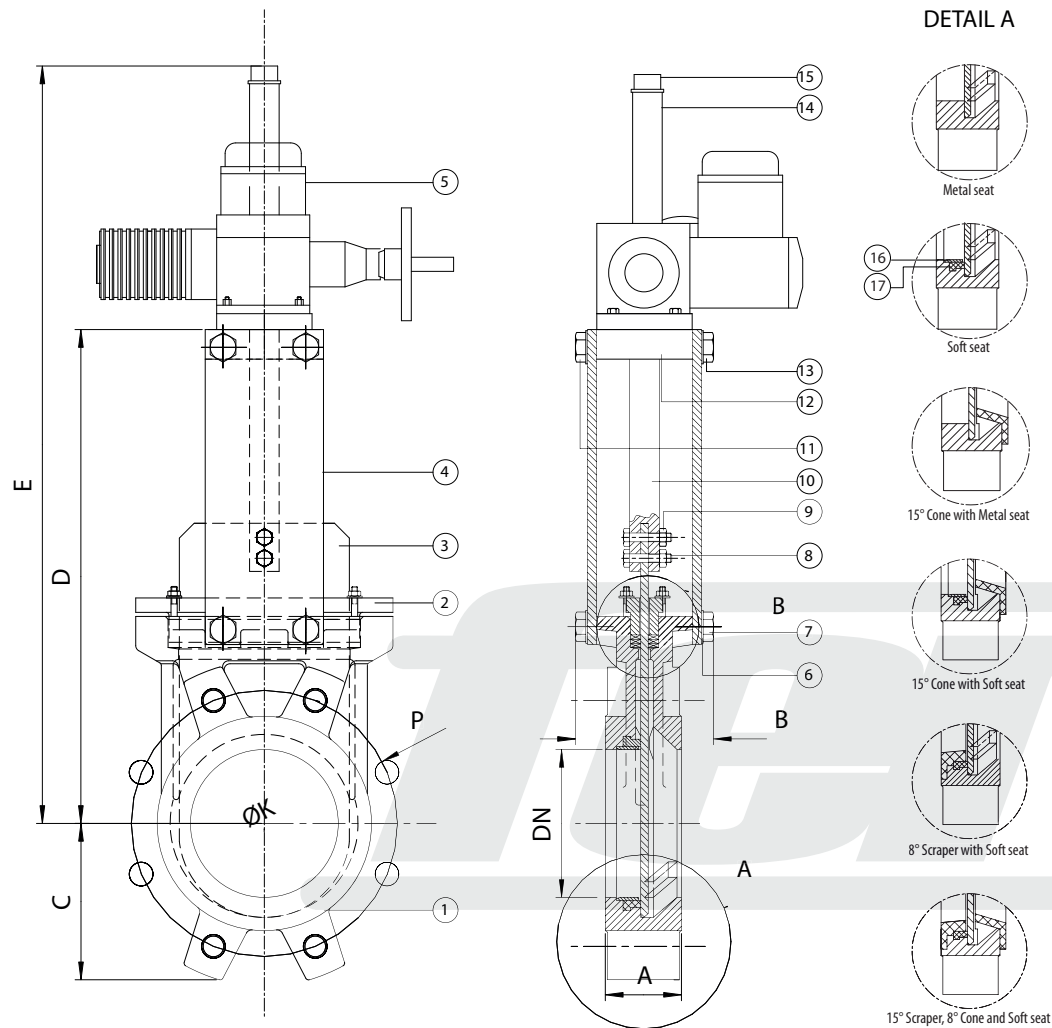
DN50 - DN250:	10 bar
DN300 - DN400:	6 bar
DN450:	5 bar
DN500 - DN600:	4 bar
DN700 - DN1200:	2 bar

Colour*

RAL 5015

Flanges drilled according to
EN 1092-2 and DIN 2501: ISO PN10
(for further informations please visit our download
section on our website)

*Other dimensions / materials / colours on request



DETAIL A

Dimensions*

DN	INCH	A	B	C	D	E
50	2"	40	92	63	240	630
65	2 1/2"	40	92	70	270	655
80	3"	50	92	92	295	680
100	4"	50	92	105	335	720
125	5"	50	102	120	370	805
150	6"	60	102	130	418	855
200	8"	60	119	160	522	1050
250	10"	70	119	198	625	1250
300	12"	70	119	234	725	1350
350	14"	96	194	256	845	1510
400	16"	100	194	292	945	1615
450	18"	106	290	308	1045	1870
500	20"	110	290	340	1148	1986
600	24"	110	290	400	1360	2115

Materials*

	GG25 type	Stainless steel type
1 Body	GG25	1.4408/CF8M
2 Packing gland	Aluminium	1.4408/SS316
3 Gate	1.4301/SS304	1.4408/SS316
4 Support plates	Steel	Steel
5 Electric motor	-	-
6 Grower washer	Steel	Stainless steel
7 Bolts	Steel	Stainless steel
8 Nut	Steel	Stainless steel
9 Stud	Steel	Stainless steel
10 Spindle	1.4301/SS304	1.4301/SS304
11 Nut	Steel	Stainless steel
12 Manoeuvring	Steel	Stainless steel
13 Bolts	Steel	Stainless steel
14 Tube	Steel	Stainless steel
15 Cover	Plastic	Plastic
16 Seat	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
17 Ring	1.4301/SS304	1.4301/SS304
18 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
19 Toric joint	EPDM / NBR / Viton / PTFE	
20 Studs	Steel	Stainless steel
21 Washer	Steel	Stainless steel
22 Nut	Steel	Stainless steel

Pressure

DN50 - DN250:	10 bar
DN300 - DN400:	6 bar
DN450:	5 bar
DN500 - DN600:	4 bar
DN700 - DN1200:	2 bar

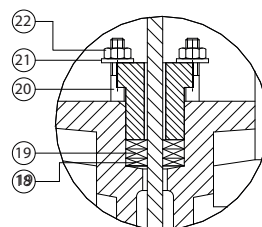
Colour*

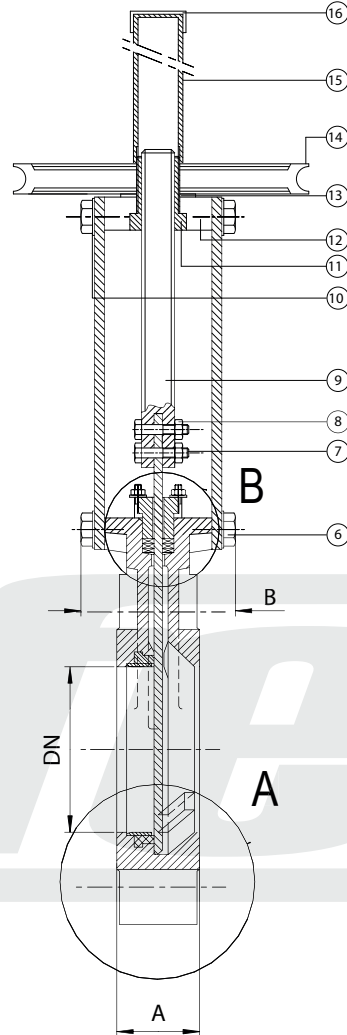
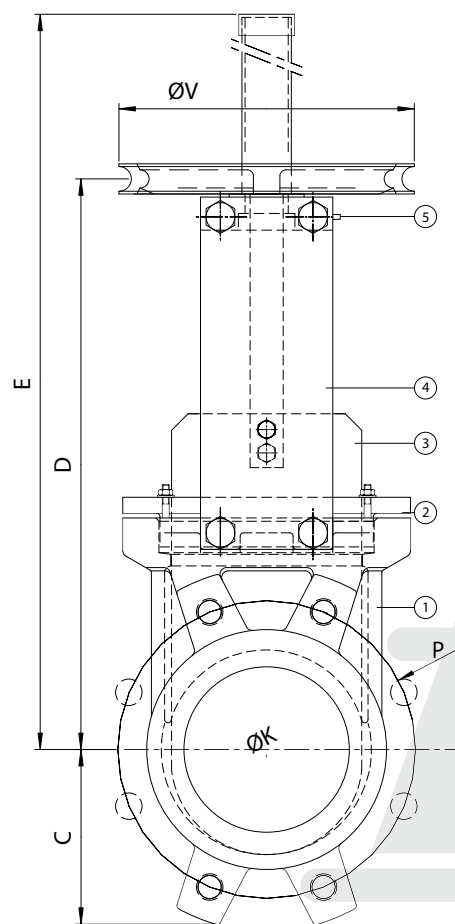
RAL 5015

Flanges drilled according to
EN 1092-2 and DIN 2501: ISO PN10
(for further informations please visit our download
section on our website)

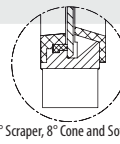
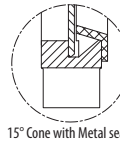
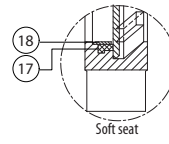
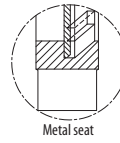
*Other dimensions / materials / colours on request

DETAIL B

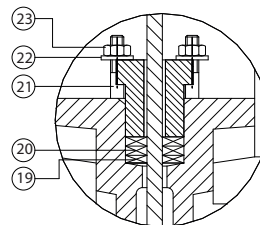




DETAIL A



DETAIL B



Dimensions*

DN	INCH	A	B	C	D	V	E
50	2"	40	92	63	244	266	417
65	2 1/2"	40	92	70	268	266	442
80	3"	50	92	92	296	266	469
100	4"	50	92	105	336	266	509
125	5"	50	102	120	370	266	593
150	6"	60	102	130	421	266	644
200	8"	60	119	160	527	266	825
250	10"	70	119	198	628	266	1026
300	12"	70	119	234	728	266	1126
350	14"	96	194	256	838	402	1357
400	16"	100	194	292	944	402	1463
450	18"	106	290	308	1032	402	1651
500	20"	110	290	340	1137	402	1756
600	24"	110	290	400	1343	402	2062

Materials*

	GG25 type	Stainless steel type
1 Body	GG25	1.4408/CF8M
2 Packing gland	Aluminium	1.4408/SS316
3 Gate	1.4301/SS304	1.4408/SS316
4 Support plates	Steel	Steel
5 Greaser	Aluminium	Aluminium
6 Nuts	Steel	Stainless steel
7 Nuts	Steel	Stainless steel
8 Nuts	Steel	Stainless steel
9 Shaft	1.4301/SS304	1.4301/SS304
10 Washer	Steel	Stainless steel
11 Actuator nut	Bronze	Bronze
12 Bridge	Steel	Steel
13 Washer	Brass	Brass
14 Chainwheel	Steel	Steel
15 Tube	Steel	Steel
16 Cap	Plastic	Plastic
17 Seat	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
18 Sealing ring	1.4408/SS316	1.4408/SS316
19 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
20 Packing joint	EPDM / NBR / Viton / PTFE	
21 Gland studs	Steel	Stainless steel
22 Washer	Steel	Stainless steel
23 Nut	Steel	Stainless steel

Pressure

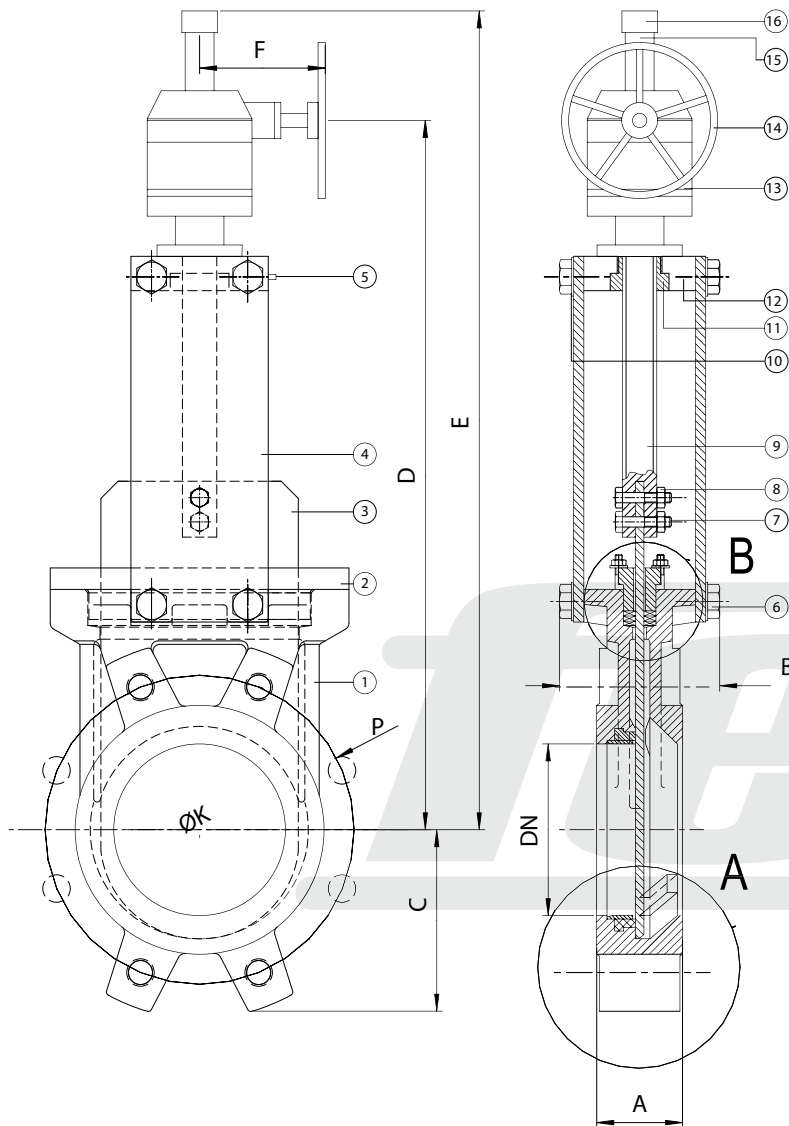
DN50 - DN250:	10 bar
DN300 - DN400:	6 bar
DN450:	5 bar
DN500 - DN600:	4 bar
DN700 - DN1200:	2 bar

Colour*

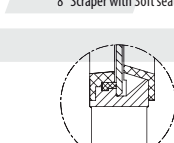
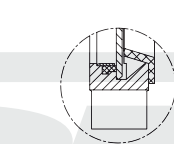
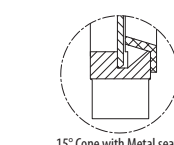
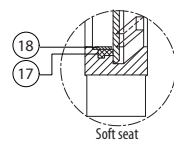
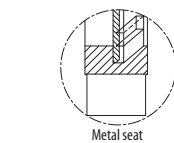
RAL 5015

Flanges drilled according to
EN 1092-2 and DIN 2501: ISO PN10
(for further informations please visit our download
section on our website)

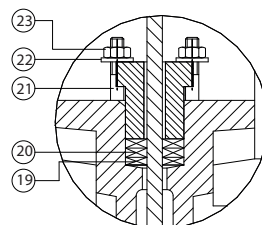
*Other dimensions / materials / colours on request



DETAIL A



DETAIL B



Dimensions*

DN	INCH	A	B	C	D	E	F
200	8"	60	119	160	632	947	320
250	10"	70	119	198	733	1048	320
300	12"	70	119	234	833	1148	320
350	14"	96	194	256	974	1390	320
400	16"	100	194	292	1080	1495	320
450	18"	106	290	308	1168	1783	320
500	20"	110	290	340	1273	1890	320
600	24"	110	290	400	1476	2095	320
700	28"	110	300	452	1680	2330	320
800	32"	110	300	505	1885	2640	320
900	36"	110	350	555	2120	2975	320
1000	40"	110	350	610	2315	3280	375
1200	48"	150	400	725	2810	3960	375

Materials*

	GG25 type	Stainless steel type
1 Body	GG25	1.4408/CF8M
2 Packing gland	Aluminium	1.4408/SS316
3 Gate	1.4301/SS304	1.4408/SS316
4 Support plates	Steel	Steel
5 Collet	Aluminium	Aluminium
6 Nuts	Steel	Stainless steel
7 Nuts	Steel	Stainless steel
8 Nuts	Steel	Stainless steel
9 Shaft	1.4301/SS304	1.4301/SS304
10 Washer	Steel	Stainless steel
11 Scraper	Bronze	Bronze
12 Bridge	Steel	Steel
13 Gear box		
14 Hand wheel	Steel	Steel
15 Shaft	Steel	Steel
16 Cap	Plastic	Plastic
17 Seat joint	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
18 Sealing ring	1.4408/SS316	1.4408/SS316
19 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
20 Packing joint	EPDM / NBR / Viton / PTFE	
21 Gland fixing	Steel	Stainless steel
22 Washer	Steel	Stainless steel
23 Nut	Steel	Stainless steel

Pressure

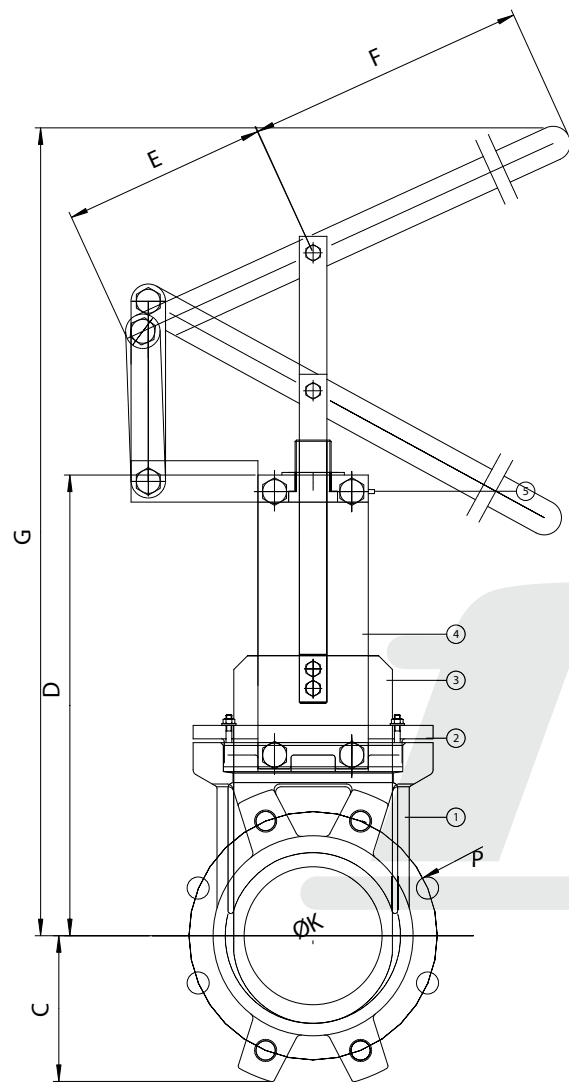
DN50 - DN250:	10 bar
DN300 - DN400:	6 bar
DN450:	5 bar
DN500 - DN600:	4 bar
DN700 - DN1200:	2 bar

Colour*

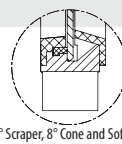
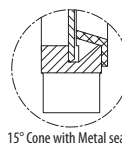
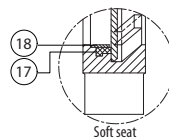
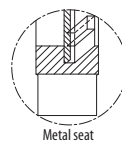
RAL 5015

Flanges drilled according to
EN 1092-2 and DIN 2501: ISO PN10
(for further informations please visit our download
section on our website)

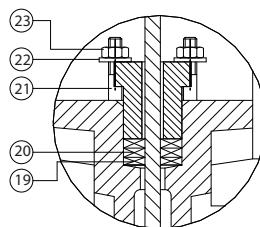
*Other dimensions / materials / colours on request



DETAIL A



DETAIL B



Dimensions*

DN	INCH	A	B	C	D	E	F	G
50	2"	40	92	63	244	150	300	395
65	2 1/2"	40	92	70	268	150	300	435
80	3"	50	92	92	296	150	300	458
100	4"	50	92	105	336	150	400	590
125	5"	50	102	120	370	150	400	725
150	6"	60	102	130	421	150	400	892
200	8"	60	119	160	527	323	600	1280
250	10"	70	119	198	628	323	600	1430
300	12"	70	119	234	728	323	600	1580

Materials*

	GG25 type	Stainless steel type
1 Body	GG25	1.4408/CF8M
2 Packing gland	Aluminium	1.4408/SS316
3 Gate	1.4301/SS304	1.4408/SS316
4 Support plates	Steel	Steel
5 Greaser	Aluminium	Aluminium
6 Nuts	Steel	Stainless steel
7 Nuts	Steel	Stainless steel
8 Nuts	Steel	Stainless steel
9 Shaft	1.4301/SS304	1.4301/SS304
10 Washer	Steel	Stainless steel
11 Actuator nut	Bronze	Bronze
12 Bridge	Steel	Steel
13 Washer	Brass	Brass
14 Chainwheel	Steel	Steel
15 Screw	Steel	Steel
16 Lever	Plastic	Plastic
17 Seat	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
18 Sealing ring	1.4408/SS316	1.4408/SS316
19 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
20 Packing joint	EPDM / NBR / Viton / PTFE	
21 Gland studs	Steel	Stainless steel
22 Washer	Steel	Stainless steel
23 Nut	Steel	Stainless steel

Pressure

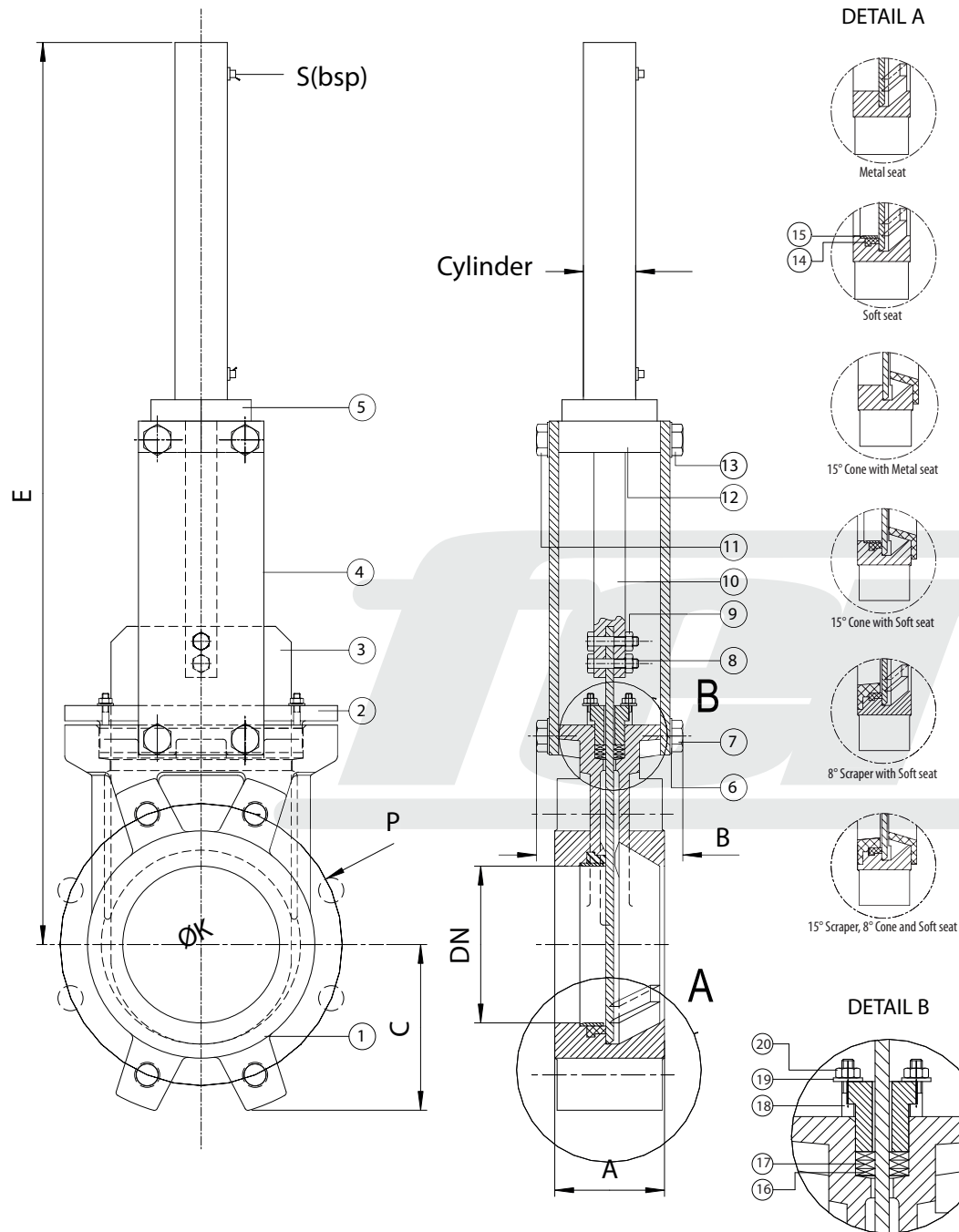
DN50 - DN250:	10 bar
DN300 - DN400:	6 bar
DN450:	5 bar
DN500 - DN600:	4 bar
DN700 - DN1200:	2 bar

Colour*

RAL 5015

Flanges drilled according to
EN 1092-2 and DIN 2501: ISO PN10
(for further informations please visit our download
section on our website)

*Other dimensions / materials / colours on request



DETAIL A

DETAIL B

Dimensions*

DN	INCH	A	B	C	Cylinder	S	E
50	2"	40	92	63	40	1/2"	480
65	2 1/2"	40	92	70	40	1/2"	525
80	3"	50	92	92	40	1/2"	580
100	4"	50	92	105	40	1/2"	645
125	5"	50	102	120	40	1/2"	720
150	6"	60	102	130	40	1/2"	806
200	8"	60	119	160	50	1/2"	955
250	10"	70	119	198	50	1/2"	1130
300	12"	70	119	234	63	3/4"	1317
350	14"	96	194	256	63	3/4"	1530
400	16"	100	194	292	63	3/4"	1686
450	18"	106	290	308	80	3/4"	1840
500	20"	110	290	340	80	3/4"	2026
600	24"	110	290	400	80	3/4"	2335
700	28"	110	300	452	100	1"	2795
800	32"	110	300	505	100	1"	3110
900	36"	110	350	555	125	1"	3355
1000	40"	110	350	610	125	1"	3640
1200	48"	150	400	725	160	1 1/4"	4345

Materials*

	GG25 type	Stainless steel type
1 Body	GG25	1.4408/CF8M
2 Packing gland	Aluminium	1.4408/SS316
3 Gate	1.4301/SS304	1.4408/SS316
4 Support plates	Steel	Steel
5 Collet	Aluminium	Aluminium
6 Washer	Steel	Stainless steel
7 Nuts	Steel	Stainless steel
8 Nuts	Steel	Stainless steel
9 Nuts	Steel	Stainless steel
10 Shaft	1.4301/SS304	1.4301/SS304
11 Washer	Steel	Stainless steel
12 Bridge	Steel	Steel
13 Nut	Steel	Steel
14 Seat joint	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
15 Sealing ring	1.4408/SS316	1.4408/SS316
16 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
17 Packing joint	EPDM / NBR / Viton / PTFE	
18 Gland fixing	Steel	Stainless steel
19 Washer	Steel	Stainless steel
20 Nut	Steel	Stainless steel

Pressure

DN50 - DN250:	10 bar
DN300 - DN400:	6 bar
DN450:	5 bar
DN500 - DN600:	4 bar
DN700 - DN1200:	2 bar

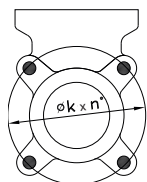
Colour*

 RAL 5015

Flanges drilled according to
EN 1092-2 and DIN 2501: ISO PN10
(for further informations please visit our download
section on our website)

*Other dimensions / materials / colours on request

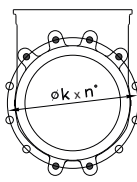
EN 1092-2 PN10



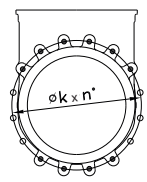
DN50-65



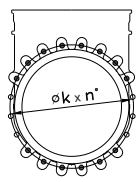
DN80-200



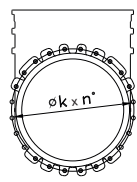
DN250-300



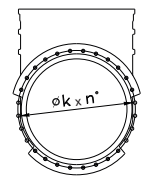
DN350-400



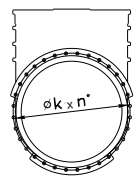
DN450-600



DN700-800



DN900-1000

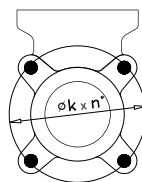


DN1200

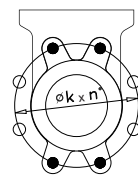
EN 1092-2 PN10

DN	INCH	n°	M	◆	⊕	P	K
50	2"	4	M-16	4	-	8	125
65	2 1/2"	4	M-16	4	-	8	145
80	3"	8	M-16	4	4	9	160
100	4"	8	M-16	4	4	9	180
125	5"	8	M-16	4	4	9	210
150	6"	8	M-20	4	4	10	240
200	8"	8	M-20	4	4	10	295
250	10"	12	M-20	6	6	12	350
300	12"	12	M-20	6	6	12	400
350	14"	16	M-20	10	6	21	460
400	16"	16	M-24	10	6	21	515
450	18"	20	M-24	14	6	22	565
500	20"	20	M-24	14	6	22	620
600	24"	20	M-27	14	6	22	725
700	28"	24	M-27	16	8	22	840
800	32"	24	M-30	16	8	22	950
900	36"	28	M-30	20	8	20	1050
1000	40"	28	M-33	20	8	20	1160
1200	48"	32	M-36	22	10	22	1380

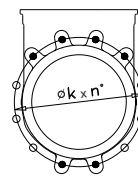
ANSI Class 150*



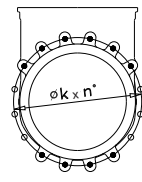
2" - 3"



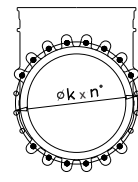
4" - 8"



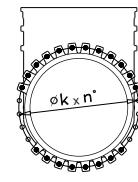
10" - 14"



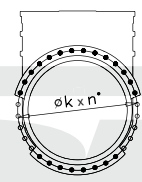
16" - 18"



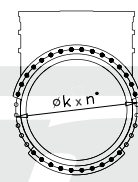
20" - 24"



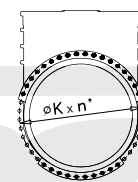
28" - 32"



36"



40"



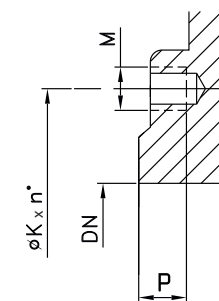
48"

ANSI Class 150*

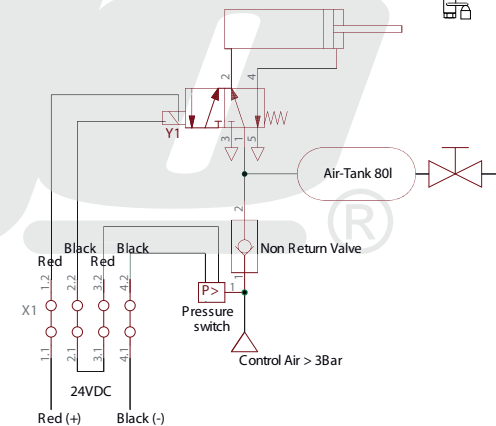
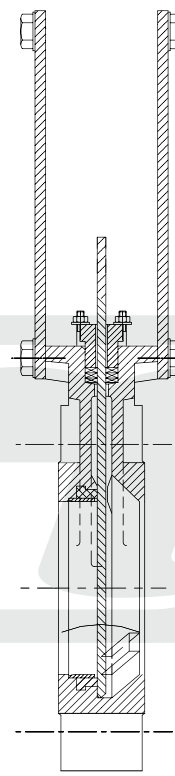
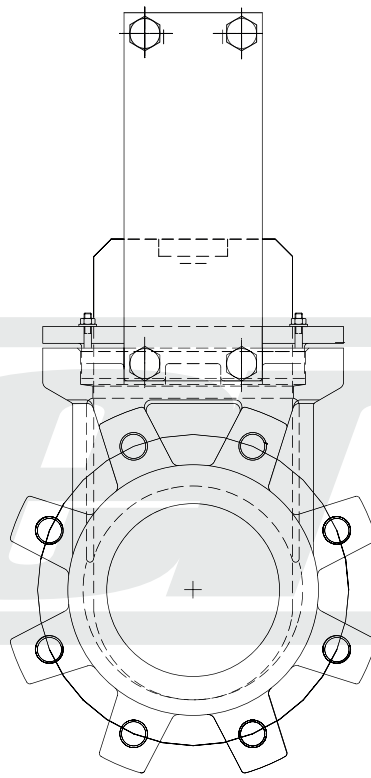
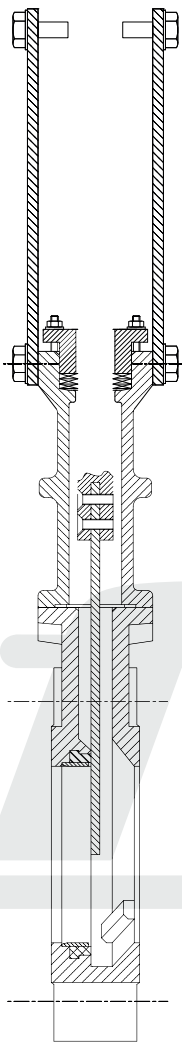
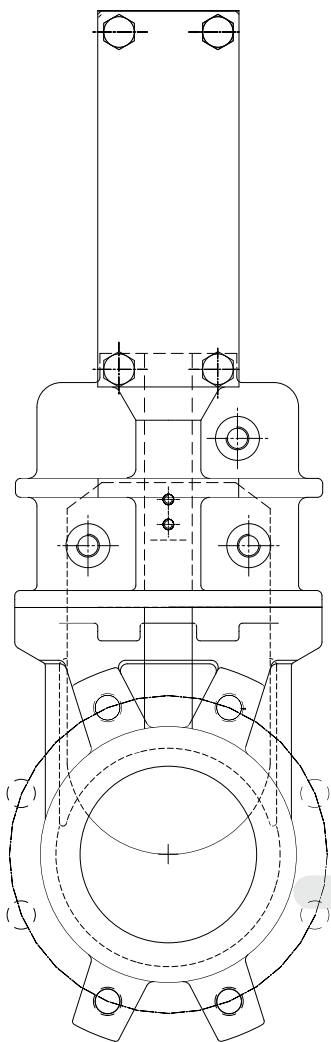
INCH	n°	M	◆	⊕	P	K
2"	4	5/8" UNC	4	-	3/8"	4 3/4"
2 1/2"	4	5/8" UNC	4	-	3/8"	5 1/2"
3"	4	5/8" UNC	4	-	3/8"	6"
4"	8	5/8" UNC	4	4	3/8"	7 1/2"
5"	8	3/4" UNC	4	4	3/8"	8 1/2"
6"	8	3/4" UNC	4	4	1/2"	9 1/2"
8"	8	3/4" UNC	4	4	1/2"	11 3/4"
10"	12	7/8" UNC	6	6	3/4"	14 1/4"
12"	12	7/8" UNC	6	6	3/4"	17"
14"	12	1" UNC	8	4	7/8"	18 3/4"
16"	16	1" UNC	10	6	1"	21 1/4"
18"	16	1 1/8" UNC	10	6	1"	22 3/4"
20"	20	1 1/8" UNC	14	6	1"	25"
24"	20	1 1/4" UNC	14	6	1"	29 1/2"
28"	28	1 1/4" UNC	20	8	3/4"	34"
30"	28	1 1/4" UNC	20	8	3/4"	36"
32"	28	1 1/2" UNC	20	8	3/4"	38 1/2"
36"	32	1 1/2" UNC	22	10	3/4"	42 3/4"
40"	36	1 1/2" UNC	26	10	3/4"	47 1/4"
48"	44	1 1/2" UNC	28	16	1 3/16"	56"

* from 24", according to MSS SP44 (Class 150)

Legend



- M bolt size (metric at PN10 and UNC thread at ANSI)
- P blind tapped depth
- K bolt circle diameter
- n° qty. of necessary screws
- ◆ blind tapped bolts
- ⊕ through bolts



Bonnet

Additional our FERGO FM200 is upgradable with a bonnet for covering the medium. This is advisable for higher pressure ranges and abrasive materials. The bonnet is made of cast iron (GG25) oder stainless steel (1.4408).

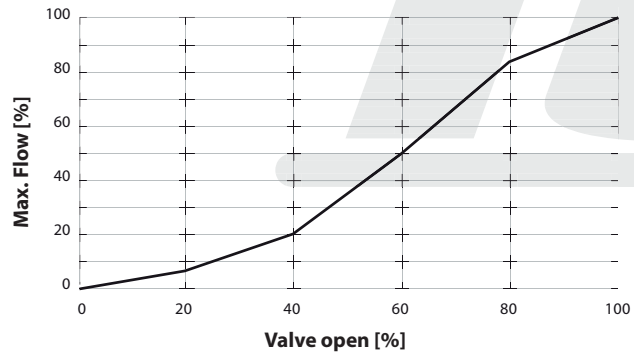
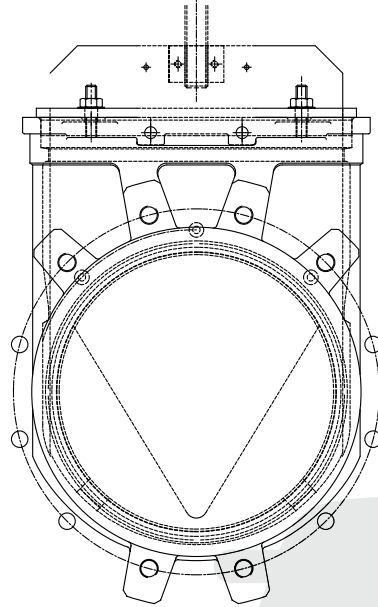
Lug type

The FERGO FM200 wafer type is standard. Alternative it is available as lug type. Standard flange connection: EN 1092-2 or DIN PN 10 and ANSI B16.5 (class 150). Other flange connections are available on request such as: EN 1092-2 or PN 16 and ANSI 125

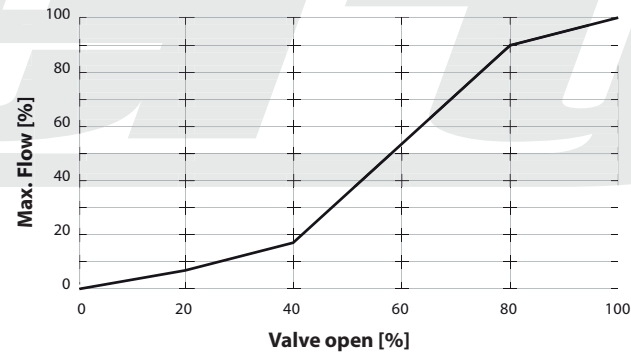
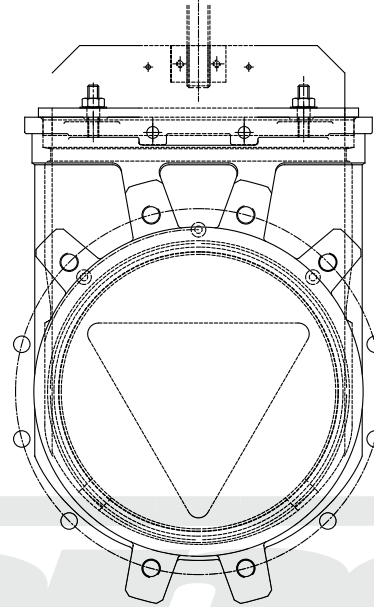
Air tank

Alternativ to our FM200 pneumatic single acting we are able to upgrade the FM200 pneumatic double acting with a air tank to make your FM200 safe for technical failure like fall of pressure or any black-outs.

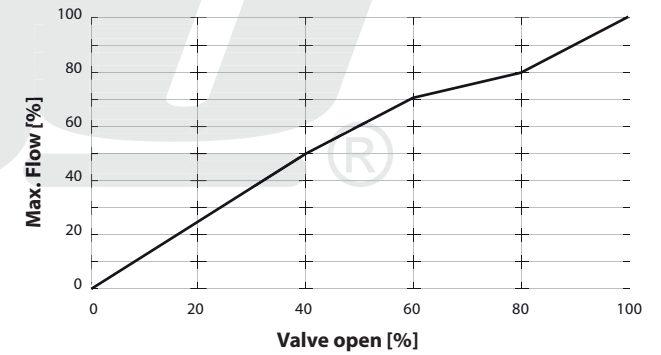
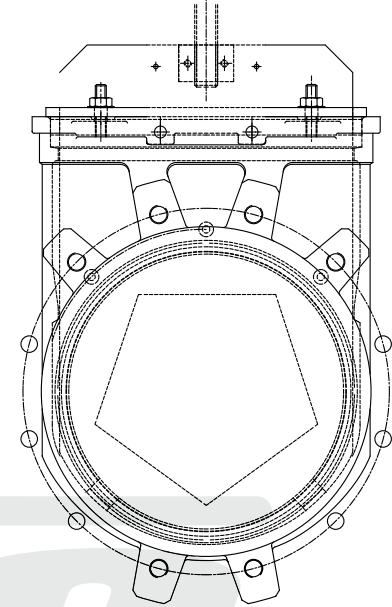
V-Port diaphragm



Triangular diaphragm



Pentagonal diaphragm



FM200 - C - S1 - E - D - W - DN150

Stainless Steel : S1
Stainless Steel : S
Stainless Steel : S3

Cast Iron GG25 : C
Ductil iron GGG50 : D
Stainless Steel : S
Aluminium : A

EPDM : E
EPDM white : W
NBR : N
PTFE : T
Viton : V
Silicon : S
Metall : M
Flucast : F

Handwheel, rising stem : R
Handwheel : N
Pneumatic double acting : D
Pneumatic single acting : S
Pneumatic with air tank : A
Electric actuator : E
Chainwheel : C
Gearbox : G
Hand lever : L
Hydraulic : Y

Wafer : W
Lug : L

Please enter here:
The dimension in **DN** for a connection according to **DIN** or

enter the dimension in **Inch** for a connection according to **ANSI**

For example: FM200-CS1EDW-DN80
or: FM200-CS1EDW-3"

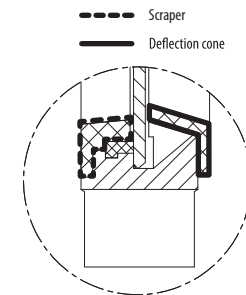


Fig. 1: Deflection cone / scraper

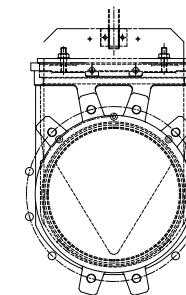


Fig. 2: V-port

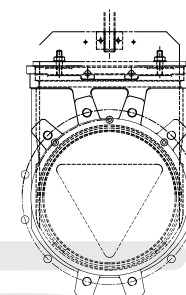


Fig. 3: Triangular Diaphragm

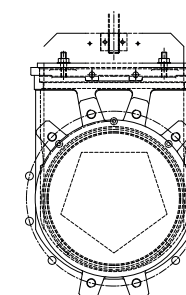


Fig. 4: Pentagonal Diaphragm

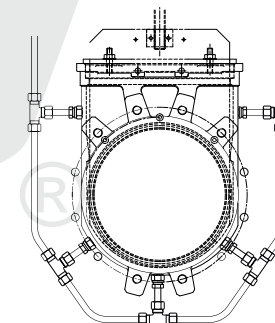


Fig. 5: Flush ports



Seat / Seals

Material	Mat.-No.	Max. Temp.	Applications
Metall	M	> 250°C	High temp. Low tightness.
EPDM	E	120°C	Acids and non mineral oils.
EPDM white	W	120°C	Food service.
Nitrile (NBR)	N	90°C	Resistance to petroleum products.
Viton	V	200°C	General chemical service. High temperature.
Silicone	S	180°C	Food service.
PTFE	T	250°C	Corrosion resistance.
Flucast	F	70°C	Abrasive materials.

Packing

Material	Max. Temp.	pH
PTFE impregn. synth. fibre	240°C	6 - 8
PTFE impregn. synth. fibre + EPDM (standard)	120°C	2 - 13
PTFE impregn. synth. fibre + Viton	200°C	0 - 14
Braided PTFE	260°C	0 - 14
Graphited	600°C	0 - 14
Ceramic fibre	1200°C	---



Our standard...

- ...packing is a 3-layer packing of **synthetic-PTFE, EPDM and synthetic-PTFE.**

Following packings are available:

- » **full PTFE** (250°C);
- » **Graphite** (600°C);
- » **Ceramic fibre** (1200°C);
- » **Viton** (200°C)

- ...flange connection according to **DIN PN10 wafer type.**

Following connections are available on request:

- » **DIN PN10 lug type;**
- » **DIN PN16 wafer type;**
- » **DIN PN16 lug type;**
- » **ANSI Class 150 wafer type;**
- » **ANSI Class 150 lug type**

- ...actuators are already named, but it is possible to build a construction like the **air tank** to make your FM200 **safe for technical failure** like fall of pressure or any blackouts.

- ...is upgradable with a **bonnet for covering the medium**; Advisable for higher pressure ranges and abrasive materials; Made of GG25 or 1.4408.

- ...is also upgradable with a **deflecting cone** and it is available with a **scraper* to covering the seat.** (Fig. 1)
*the scraper is not upgradable!

- ...is additional available with **ports** as V-type (Fig. 2), triangular (Fig. 3) or pentagonal diaphragm (Fig. 4) **to adjust the medium.**

- ...is available with **flush ports** (Fig.5). Allow for cleaning of solids trapped within the body cavities that can obstruct the flow or prevent the valve from closing. Purging can be made with air, steam, liquids, etc. depending on the process.

Any special requisitions are on request.