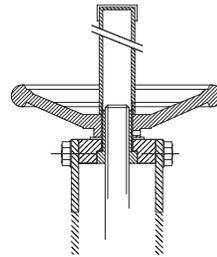


FERGO® FG400 - Knife Gate Valve

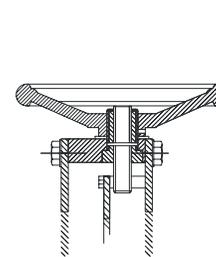


Operations

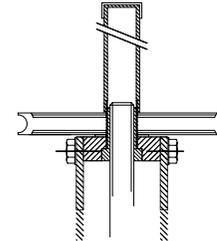
Handwheel, rising stem:



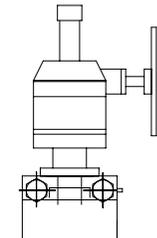
Handwheel:



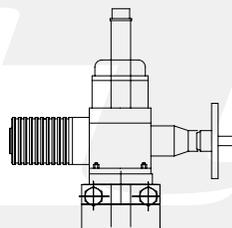
Chainwheel:



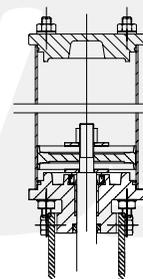
Gear box:



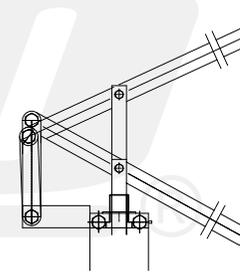
Electric actuator:



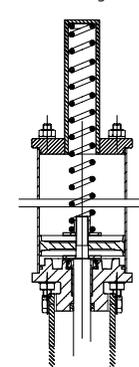
Pneumatic double acting:



Hand lever:



Pneumatic single acting:

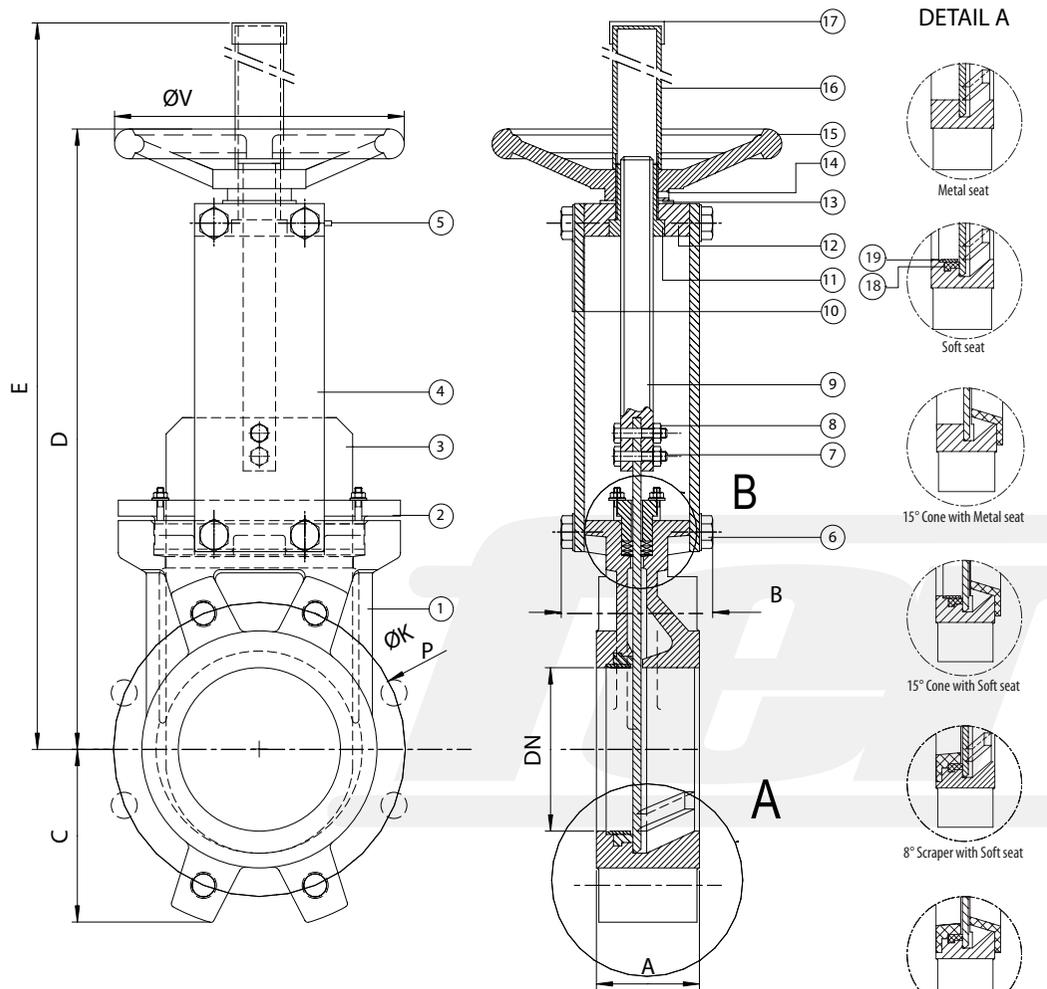


The FERGO FG model knife gate is a uni-directional wafer valve designed for industrial bulk handling service applications (powdered and granular products). The special design of the body allows for easy passage of the fluid and makes it ideal for use as silo outlet valve. Widely used in industries such as:

- **Power plants**
- **Chemical plants**
- **etc.**
- **Food and Beverage**
- **Mining**

The valve is normally installed in the reverse position (seat upstream) in order to avoid problems like build-up in valve body, seat wear or difficult closing.

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



Dimensions*

DN	INCH	A	B	C	D	E	V
50	2"	60	92	63	284	425	200
65	2 1/2"	60	92	70	308	450	200
80	3"	64	92	92	334	480	200
100	4"	64	92	105	374	520	200
125	5"	70	102	120	413	600	250
150	6"	76	102	130	465	650	250
200	8"	89	119	160	582	820	300
250	10"	114	119	198	682	1020	300
300	12"	114	119	234	782	1120	300
350	14"	127	194	256	898	1380	400
400	16"	140	194	292	1003	1490	400
450	18"	152	290	308	1093	1580	500
500	20"	152	290	340	1207	1690	500
600	24"	178	290	400	1410	2030	500

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:	3 bar
DN300 - DN400:	2 bar
DN450:	1,5 bar
DN500 - DN600:	1 bar

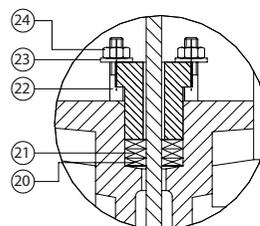
Colour*

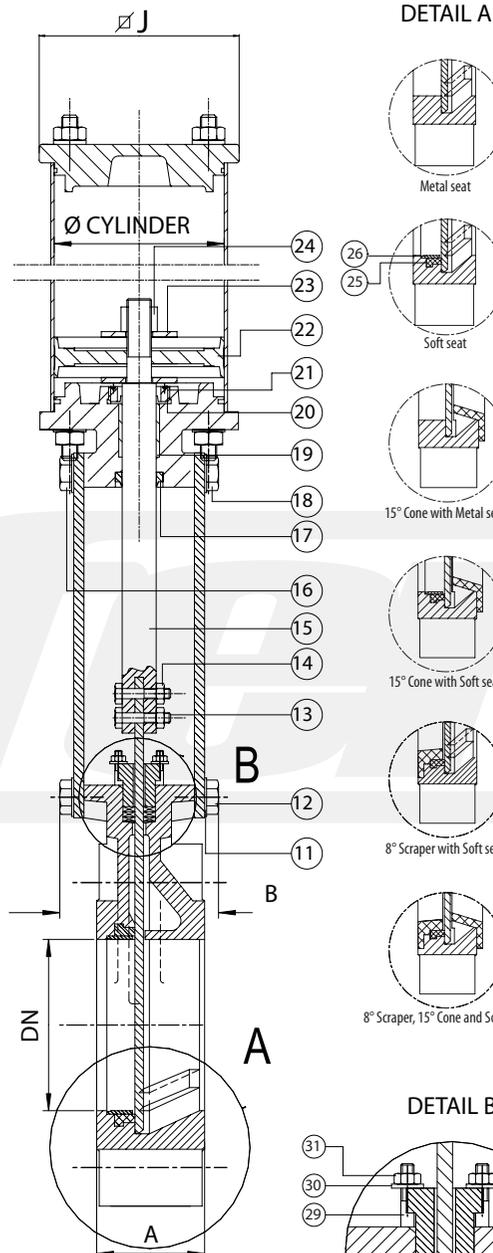
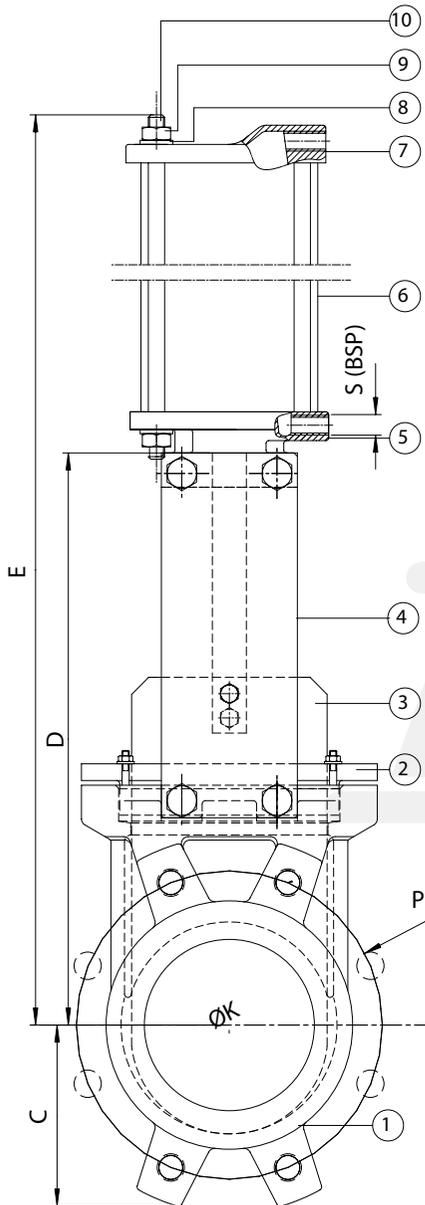
 RAL 5015

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

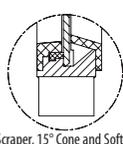
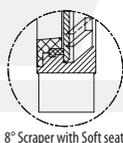
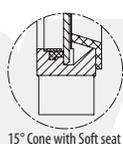
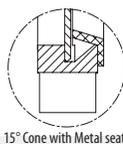
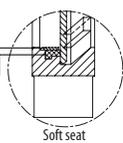
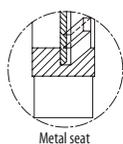
*Other dimensions / materials / colours on request

DETAIL B

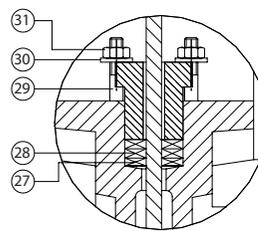




DETAIL A



DETAIL B



Dimensions*

DN	INCH	A	B	C	D	E	Cylinder	J	S
50	2"	60	92	63	240	410	80	96	1/4"
65	2 1/2"	60	92	70	270	456	80	96	1/4"
80	3"	64	92	92	295	500	80	96	1/4"
100	4"	64	92	105	335	560	100	115	1/4"
125	5"	70	102	120	370	640	125	138	1/4"
150	6"	76	102	130	418	716	125	138	1/4"
200	8"	89	119	160	522	880	160	175	1/4"
250	10"	114	119	198	625	1042	200	218	3/8"
300	12"	114	119	234	725	1182	200	218	3/8"
350	14"	127	194	256	845	1360	250	270	3/8"
400	16"	140	194	292	945	1540	250	270	3/8"
450	18"	152	290	308	1045	1675	300	382	3/8"
500	20"	152	290	340	1148	1840	300	382	3/8"
600	24"	178	290	400	1360	2145	300	382	3/8"

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 Lower cap	Aluminium	Aluminium
6 Pneumatic tube	Aluminium	Aluminium
7 Upper cap	Aluminium	Aluminium
8 Washer	Steel	Steel
9 Nut	Steel	Steel
10 Rod	Steel	Steel
11 Grower washer	Steel	Stainless steel
12 Bolts	Steel	Stainless steel
13 Studs	Steel	Stainless steel
14 Nuts	Steel	Stainless steel
15 Spindle	1.4301/SS304	1.4301/SS304
16 Nut	Autobloc	Autobloc
17 Scraper	Nitrile	Nitrile
18 Nut	Steel	Steel
19 Nut	Bronce	Bronce
20 Sealing ring	Nitrile	Nitrile
21 Sealing gland	1.4408/SS316	1.4408/SS316
22 Piston rod	Nitrile	Nitrile
23 Washer	Steel	Steel
24 Nut	Autobloc	Autobloc
25 Seat	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
26 Ring	1.4408/SS316	1.4408/SS316
27 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
28 Toric joint	EPDM / NBR / Viton / PTFE	
29 Studs	Steel	Stainless steel
30 Washer	Steel	Stainless steel
31 Nut	Steel	Stainless steel

Pressure

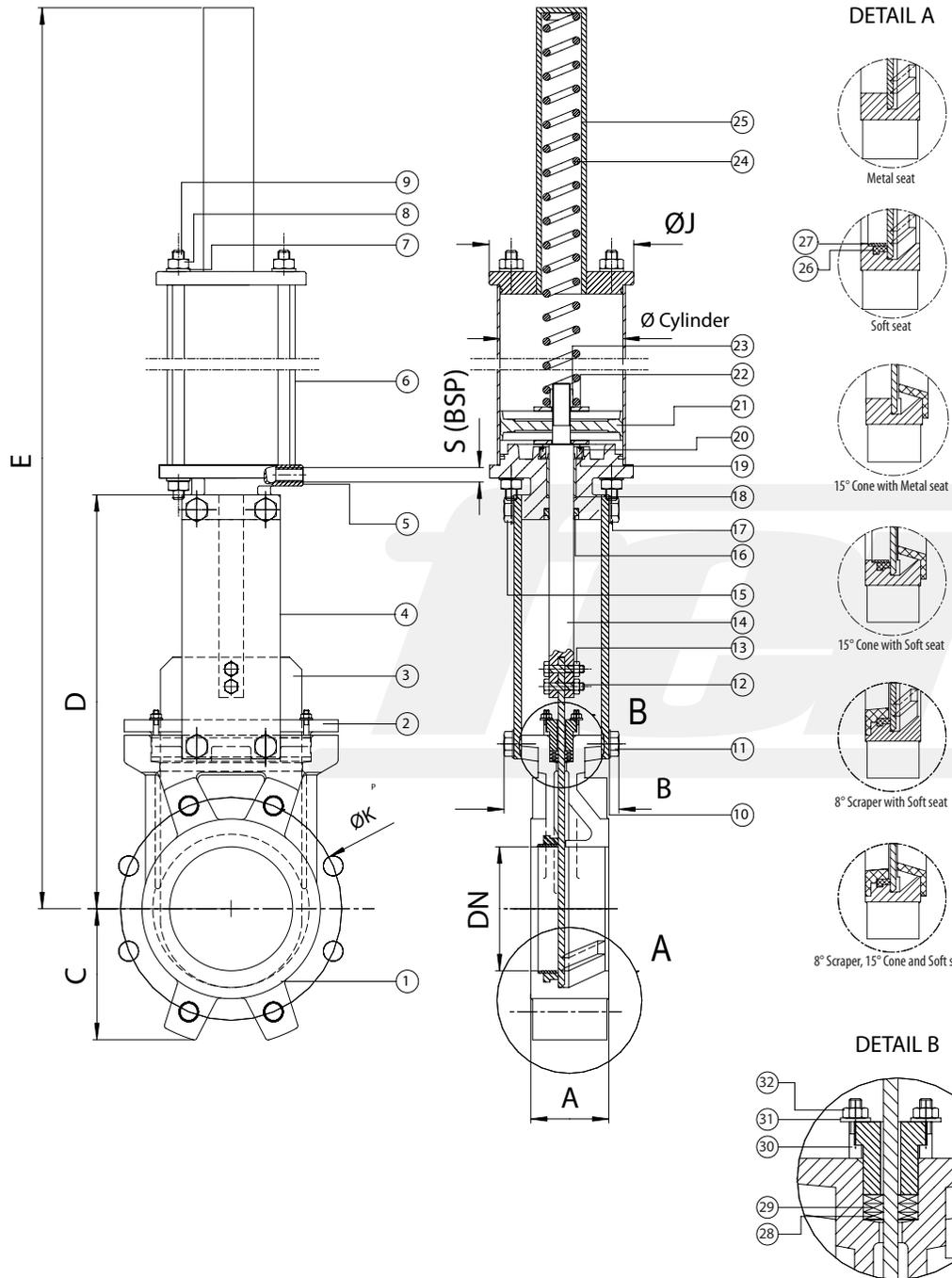
DN50 - DN250:	3 bar
DN300 - DN400:	2 bar
DN450:	1,5 bar
DN500 - DN600:	1 bar

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



Dimensions*

DN	INCH	A	B	C	D	E	Cylinder	J	S
50	2"	60	92	63	240		125	138	1/4"
65	2 1/2"	60	92	70	270		125	138	1/4"
80	3"	64	92	92	295	810	125	138	1/4"
100	4"	64	92	105	335	875	125	138	1/4"
125	5"	70	102	120	370		160	175	1/4"
150	6"	76	102	130	418	1066	160	175	1/4"
200	8"	89	119	160	522	1380	200	218	3/8"
250	10"	114	119	198	625	1792	250	270	3/8"
300	12"	114	119	234	725		250	270	3/8"

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 Lower cap	Aluminium	Aluminium
6 Pneumatic tube	Aluminium	Aluminium
7 Washer	Steel	Stainless steel
8 Nut	Steel	Stainless steel
9 Rod	Steel	Stainless steel
10 Grower washer	Steel	Stainless steel
11 Bolts	Steel	Stainless steel
12 Studs	Steel	Stainless steel
13 Nuts	Steel	Stainless steel
14 Spindle	1.4301/SS304	1.4301/SS304
15 Nut	Autobloc	Autobloc
16 Scraper	Nitrile	Nitrile
17 Fixing nut	Steel	Steel
18 Nut	Bronze	Bronze
19 Sealing rings	Nitrile	Nitrile
20 Sealing gland	1.4408/SS316	1.4408/SS316
21 Piston rod	Nitrile	Nitrile
22 Washer	1.4408/SS316	1.4408/SS316
23 Nut	Steel	Steel
24 Spring	F143	F143
25 Spring tube	Steel	Steel
26 Seat	EPDM / NBR / Viton / Silicon / Fluocast ABP / PTFE	
27 Ring	1.4408/SS316	1.4408/SS316
28 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
29 Toric joint	Nitrile	Nitrile
30 Studs	Steel	Stainless steel
31 Washer	Steel	Stainless steel
32 Nut	Steel	Stainless steel

Pressure

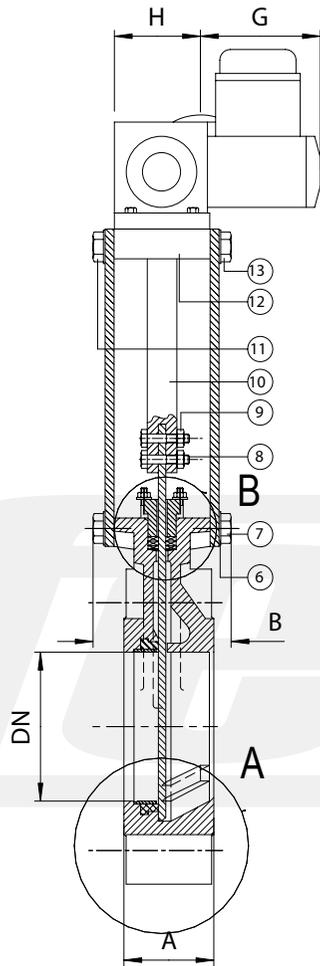
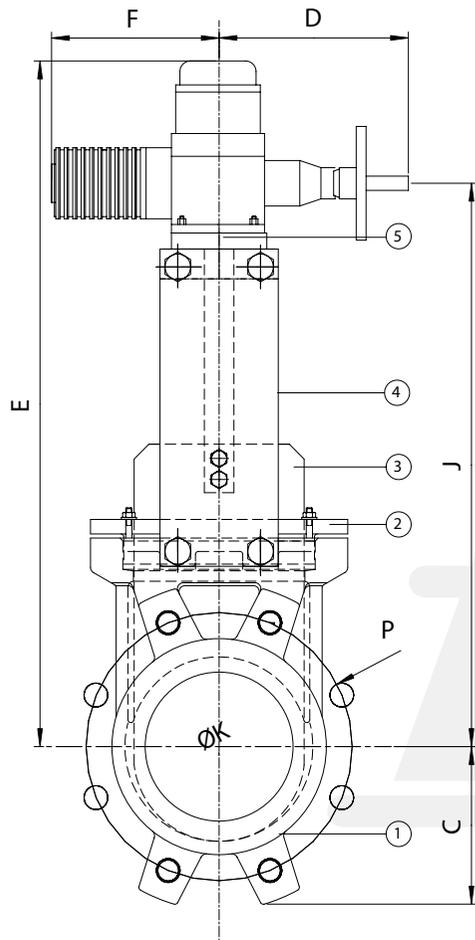
DN50 - DN250:	3 bar
DN300 - DN400:	2 bar
DN450:	1,5 bar
DN500 - DN600:	1 bar

Colour*

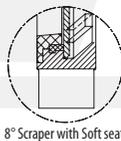
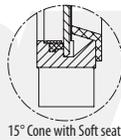
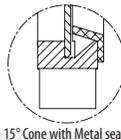
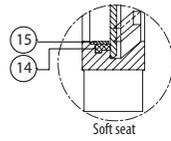
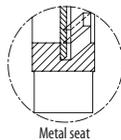
RAL 5015

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

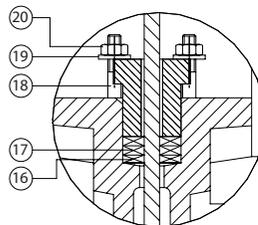
*Other dimensions / materials / colours on request



DETAIL A



DETAIL B



Dimensions*

DN	INCH	A	B	C	D	E	F	G	H	J
50	2"	40	92	63	234	607	265	417	62	367
65	2 1/2"	40	92	70	234	632	265	417	62	392
80	3"	50	92	92	234	659	265	417	62	419
100	4"	50	92	105	234	699	265	417	62	459
125	5"	50	102	120	250	733	265	417	62	493
150	6"	60	102	130	250	784	265	417	62	544
200	8"	60	119	160	250	880	265	417	62	640
250	10"	70	119	198	250	981	265	417	62	741
300	12"	70	119	234	250	1141	265	417	62	841
350	14"	96	194	256	256	1382	282	427	65	952
400	16"	100	194	292	256	1558	282	427	65	1058
450	18"	106	290	308	325	1886	385	465	90	1186
500	20"	110	290	340	325	1991	385	465	90	1291
600	24"	110	290	400	325	2197	385	465	90	1497

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 Seat	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
15 Ring	1.4301/SS304	1.4301/SS304
16 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
17 Toric joint	EPDM / NBR / Viton / PTFE	
18 Studs	Steel	Stainless steel
19 Washer	Steel	Stainless steel
20 Nut	Steel	Stainless steel

Pressure

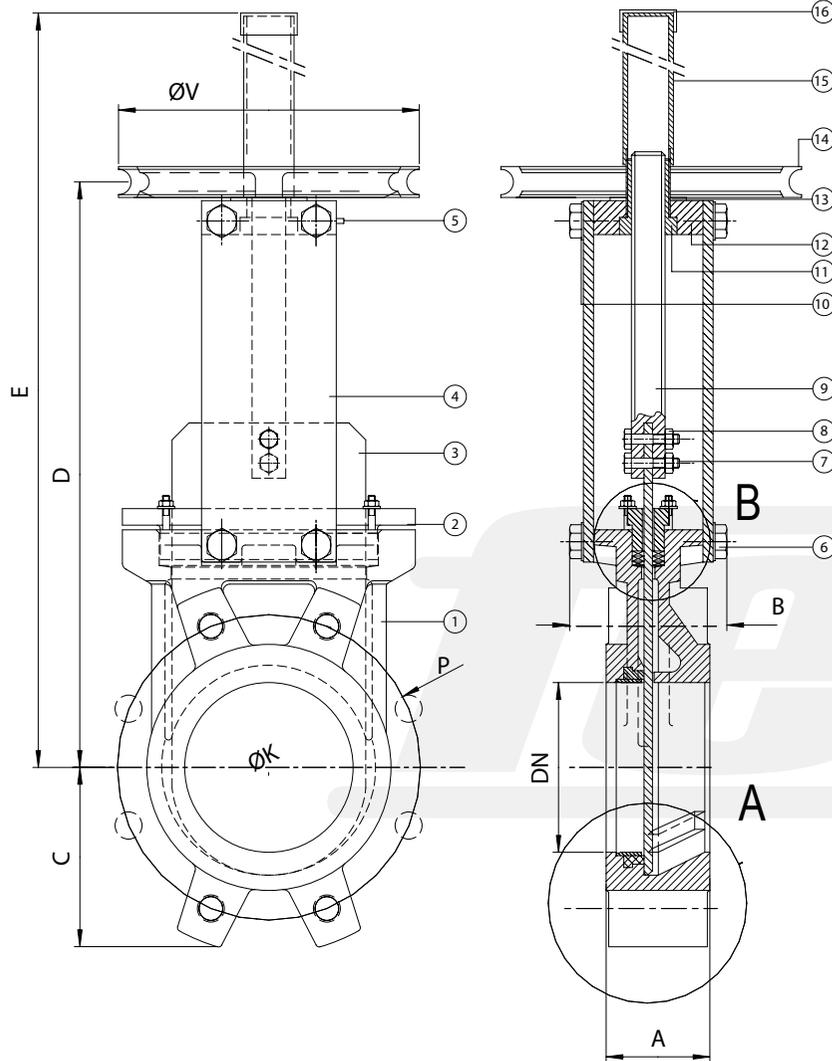
DN50 - DN250:	3 bar
DN300 - DN400:	2 bar
DN450:	1,5 bar
DN500 - DN600:	1 bar

Colour*

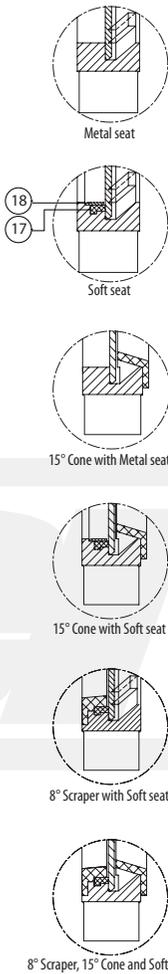
RAL 5015

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

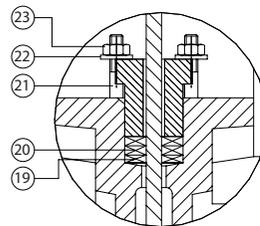
*Other dimensions / materials / colours on request



DETAIL A



DETAIL B



Dimensions*

DN	INCH	A	B	C	D	V	E
50	2"	60	92	63	244	266	417
65	2 1/2"	60	92	70	268	266	442
80	3"	64	92	92	296	266	469
100	4"	64	92	105	336	266	509
125	5"	70	102	120	370	266	593
150	6"	76	102	130	421	266	644
200	8"	89	119	160	527	266	825
250	10"	114	119	198	628	266	1026
300	12"	114	119	234	728	266	1126
350	14"	127	194	256	838	402	1357
400	16"	140	194	292	944	402	1463
450	18"	152	290	308	1032	402	1651
500	20"	152	290	340	1137	402	1756
600	24"	178	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	GG25	GG25
15 Tube	Steel	Steel
16 Cover	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

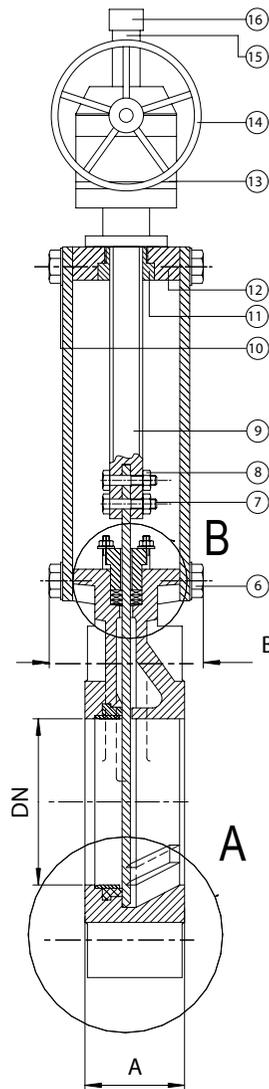
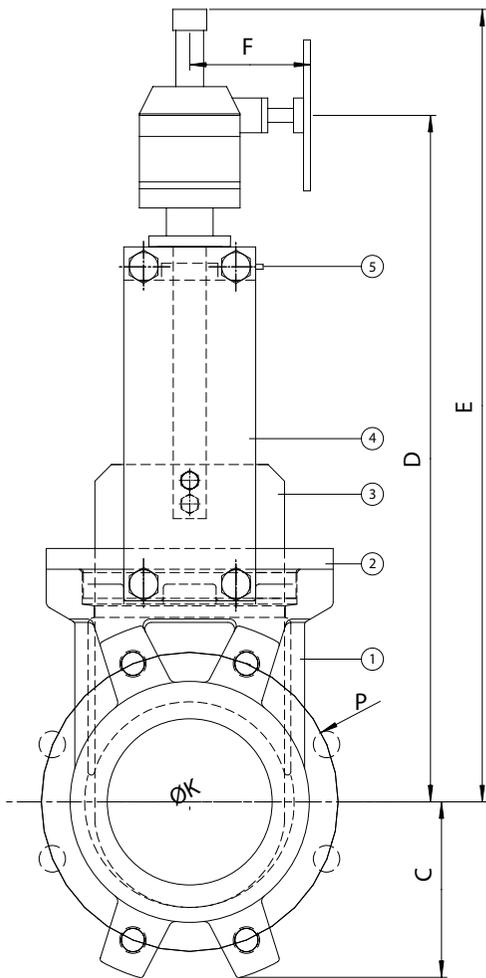
DN50 - DN250:	3 bar
DN300 - DN400:	2 bar
DN450:	1,5 bar
DN500 - DN600:	1 bar

Colour*

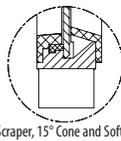
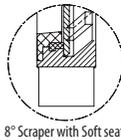
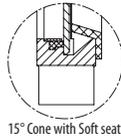
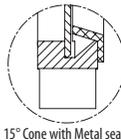
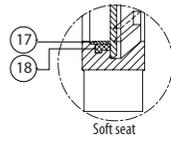
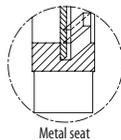
RAL 5015

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

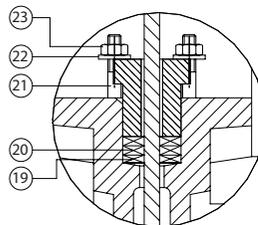
*Other dimensions / materials / colours on request



DETAIL A



DETAIL B



Dimensions*

DN	INCH	A	B	C	D	E	F
200	8"	89	119	160	632	947	320
250	10"	114	119	198	733	1048	320
300	12"	114	119	234	833	1148	320
350	14"	127	194	256	974	1390	320
400	16"	140	194	292	1080	1495	320
450	18"	152	290	308	1168	1783	320
500	20"	152	290	340	1273	1890	320
600	24"	178	290	400	1479	2095	320

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 Bolts	Steel	Stainless steel
8 Nut	Steel	Stainless steel
9 Shaft	1.4301/SS304	1.4301/SS304
10 Washer	Steel	Stainless steel
11 Actuator nut	Bronze	Bronze
12 Bringe	Steel	Steel
13 Reducer		
14 Handwheel	Steel	Stainless steel
15 Tube	1.4301/SS304	1.4301/SS304
16 Cover	Plastic	Plastic
17 Seat	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
18 Ring	1.4301/SS304	1.4301/SS304
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

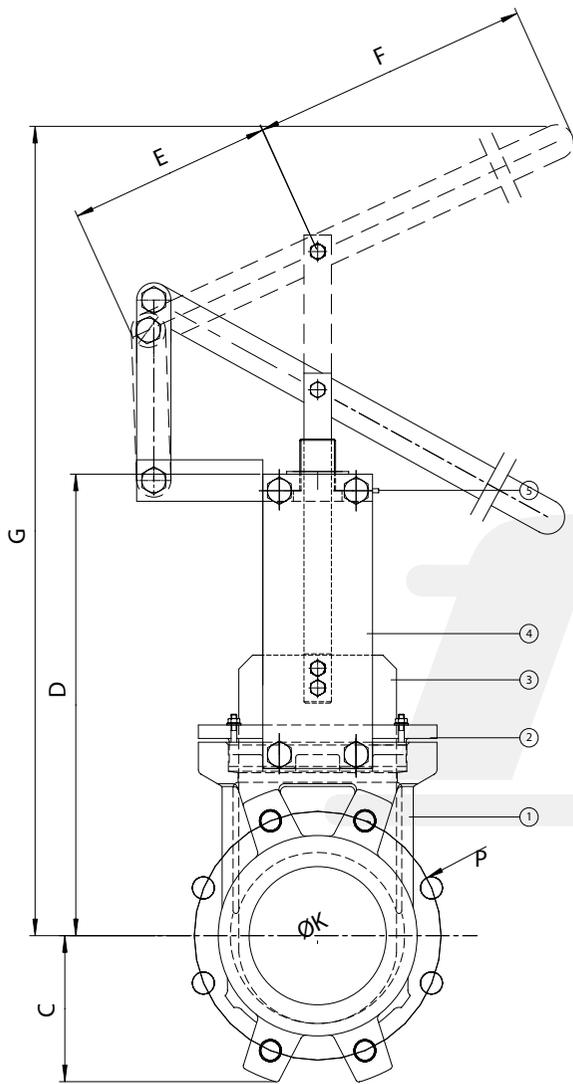
DN50 - DN250:	3 bar
DN300 - DN400:	2 bar
DN450:	1,5 bar
DN500 - DN600:	1 bar

Colour*

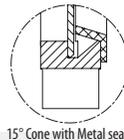
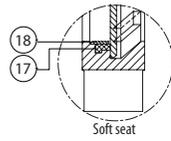
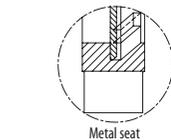
RAL 5015

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

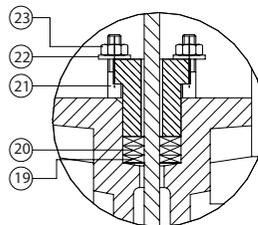
*Other dimensions / materials / colours on request



DETAIL A



DETAIL B



Dimensions*

DN	INCH	A	B	C	D	E	F	G
50	2"	60	92	63	240	150	300	395
65	2 1/2"	60	92	70	265	150	300	435
80	3"	64	92	92	290	150	300	458
100	4"	64	92	105	330	150	400	590
125	5"	70	102	120	365	150	400	725
150	6"	76	102	130	415	150	400	892
200	8"	89	119	160	520	323	600	1280
250	10"	114	119	198	615	323	600	1430
300	12"	114	119	234	720	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:	3 bar
DN300 - DN400:	2 bar
DN450:	1,5 bar
DN500 - DN600:	1 bar

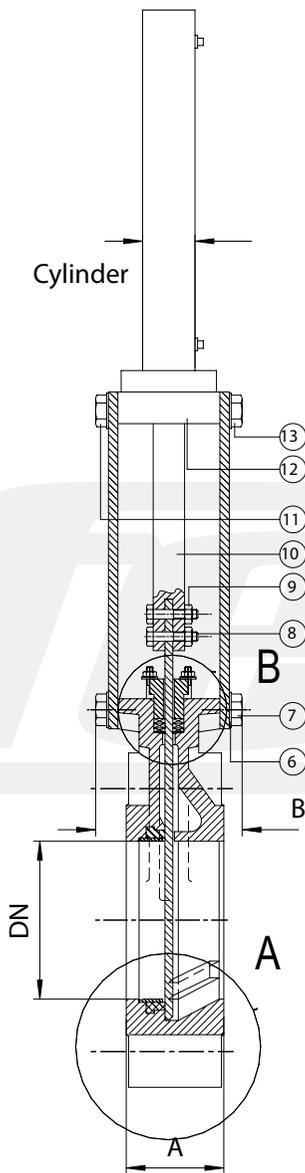
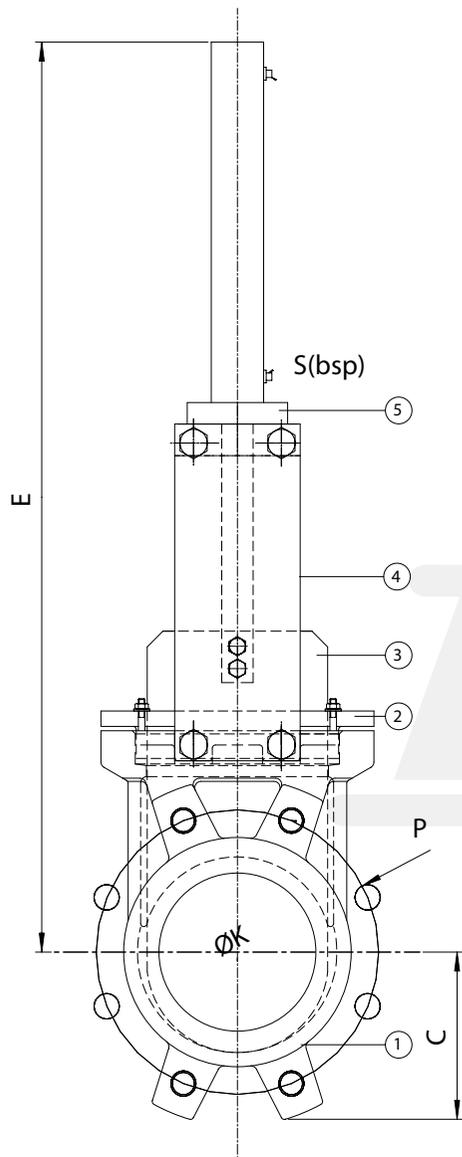
Colour*

RAL 5015

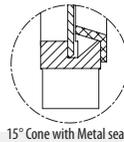
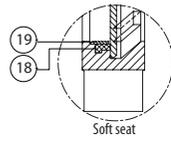
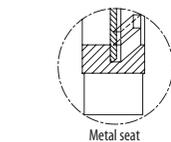
Flanges drilled according to EN 1092-2 and DIN 2501: ISO PN10

(for further informations please visit our download section on our website)

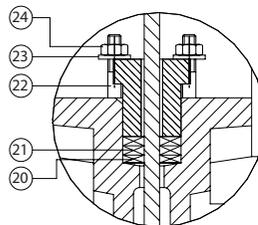
*Other dimensions / materials / colours on request



DETAIL A



DETAIL B



Dimensions*

DN	INCH	A	B	C	Cylinder	S	E
50	2"	60	92	63	40	1/2"	480
65	2 1/2"	60	92	70	40	1/2"	525
80	3"	64	92	92	40	1/2"	580
100	4"	64	92	105	40	1/2"	645
125	5"	70	102	120	40	1/2"	720
150	6"	76	102	130	40	1/2"	806
200	8"	89	119	160	50	1/2"	955
250	10"	114	119	198	50	1/2"	1130
300	12"	114	119	234	63	3/4"	1317
350	14"	127	194	256	63	3/4"	1530
400	16"	140	194	292	63	3/4"	1686
450	18"	152	290	308	80	3/4"	1840
500	20"	152	290	340	80	3/4"	2026
600	24"	178	290	400	80	3/4"	2335

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:	3 bar
DN300 - DN400:	2 bar
DN450:	1,5 bar
DN500 - DN600:	1 bar

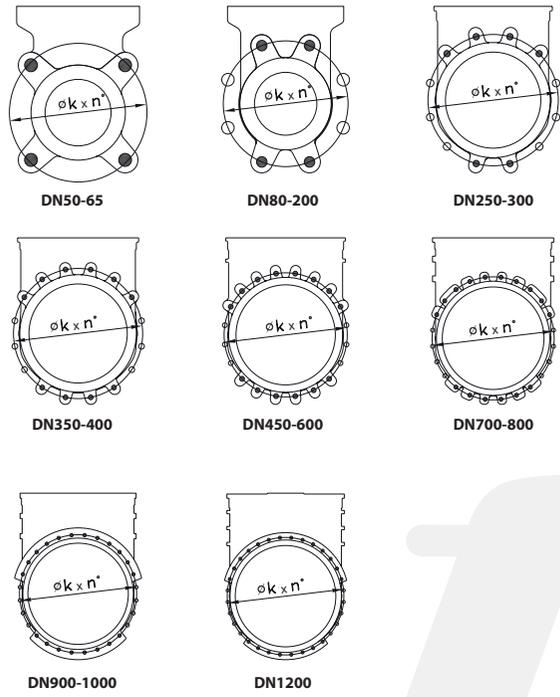
Colour*

■ RAL 5015

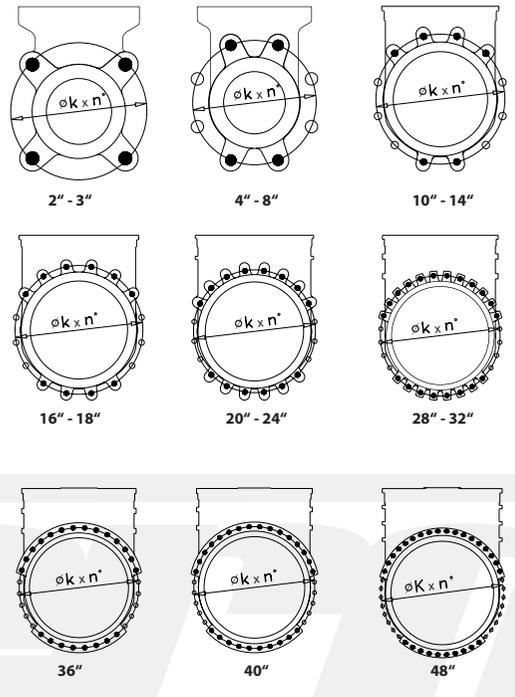
Flanges drilled according to EN 1092-2 and DIN 2501:ISO PN10
(for further informations please visit our download section on our website)

*Other dimensions / materials / colours on request

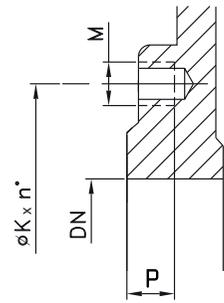
EN 1092-2 PN10



ANSI 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

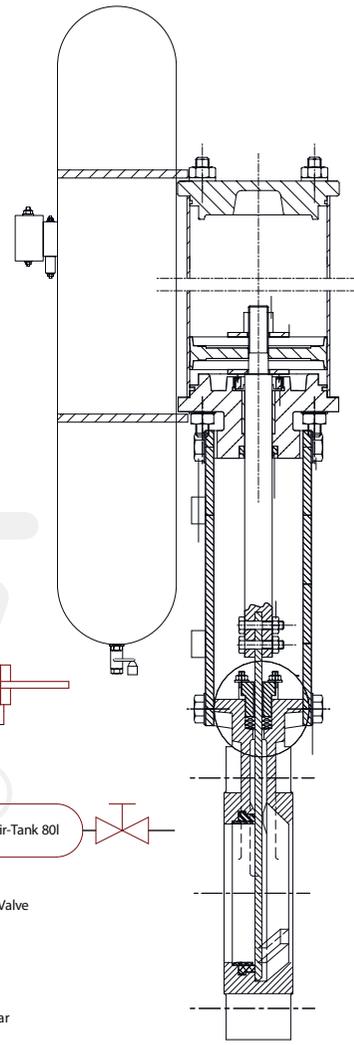
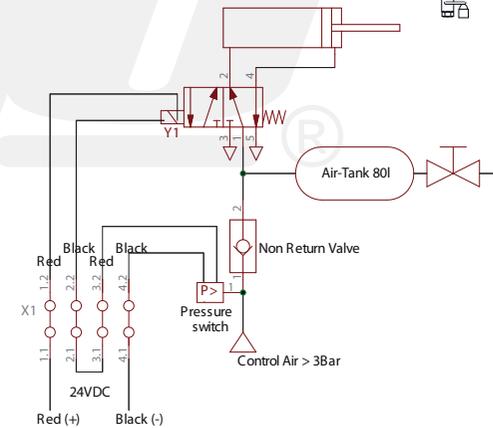
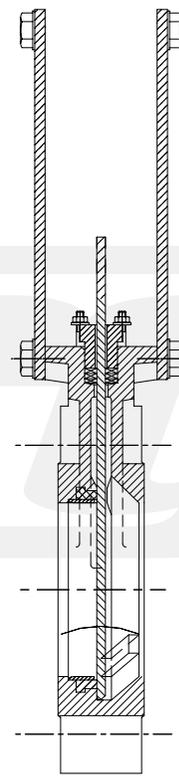
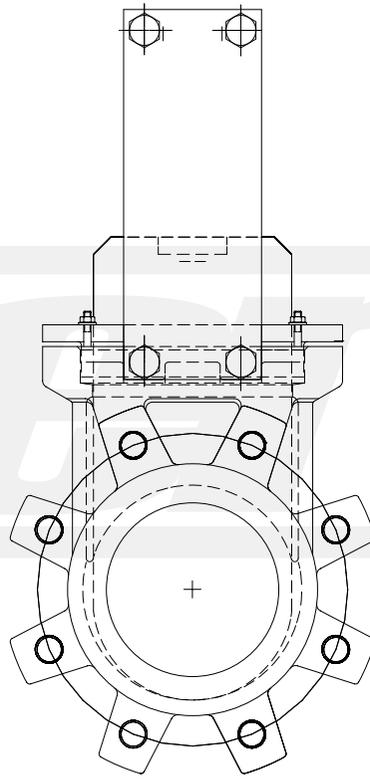
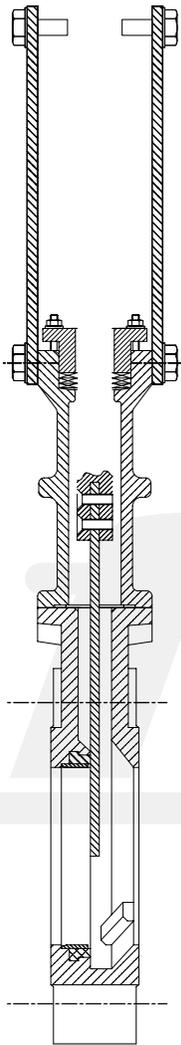
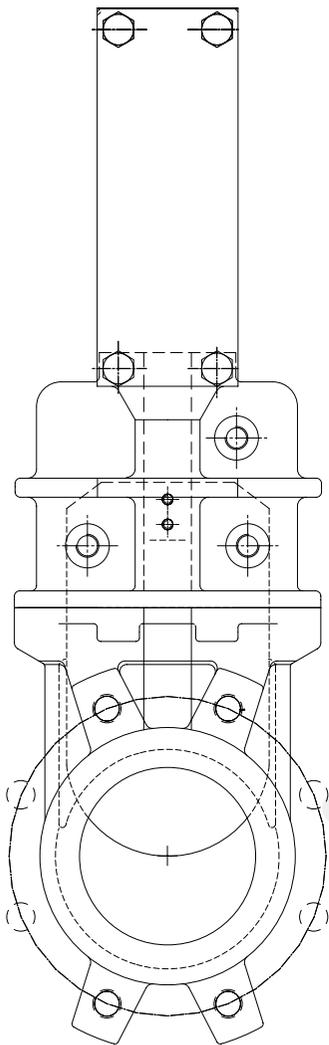
EN 1092-2 PN10

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*

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)



Bonnet

Additional our FERGO FG400 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 FG400 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 FG400 pneumatic single acting we are able to upgrade the FG400 pneumatic double acting with a air tank to make your FG400 safe for technical failure like fall of pressure or any black-outs.

FG400 - C - S1 - E - D - W - DN150

Stainless Steel : S1	1.4301
Stainless Steel : S	1.4408
Stainless Steel : S3	1.4571
Cast Iron : C	GG25
Ductil iron : D	GGG50
Stainless Steel : S	1.4408
Aluminium : A	3.0255

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: FG400-CS1EDW-DN80
or: FG400-CS1EDW-3"

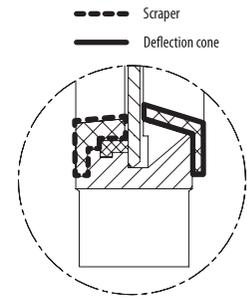


Fig. 1: Deflection cone / scraper

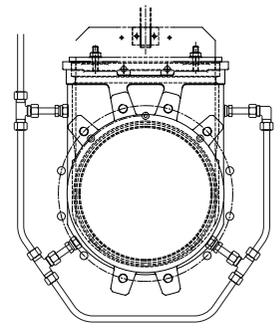


Fig. 2: Flush ports



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 FG400 **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 with **flush ports** (Fig.2).
Allow for cleaning of solids trapped within the body cavities that can obstruct the flow or prevent the valve from closing. Purging depending on the process.

Any special requisitions are on request.

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

FG400 - HOW TO ORDER

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