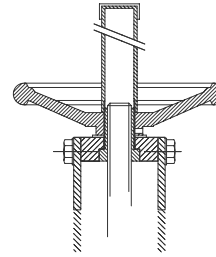


FERGO® FL300 - Knife Gate Valve

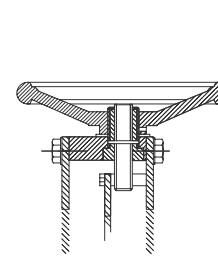


Operations

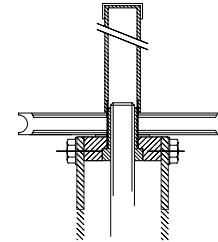
Handwheel, rising stem:



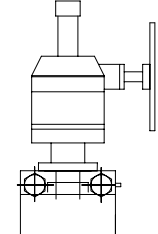
Handwheel:



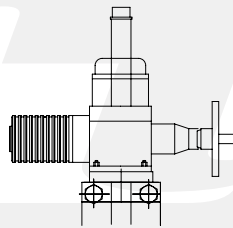
Chainwheel:



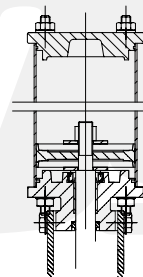
Gear box:



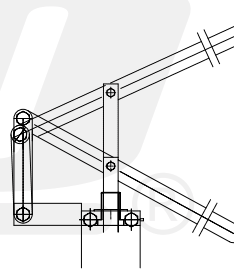
Electric actuator:



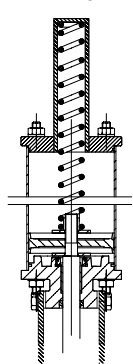
Pneumatic double acting:



Hand lever:

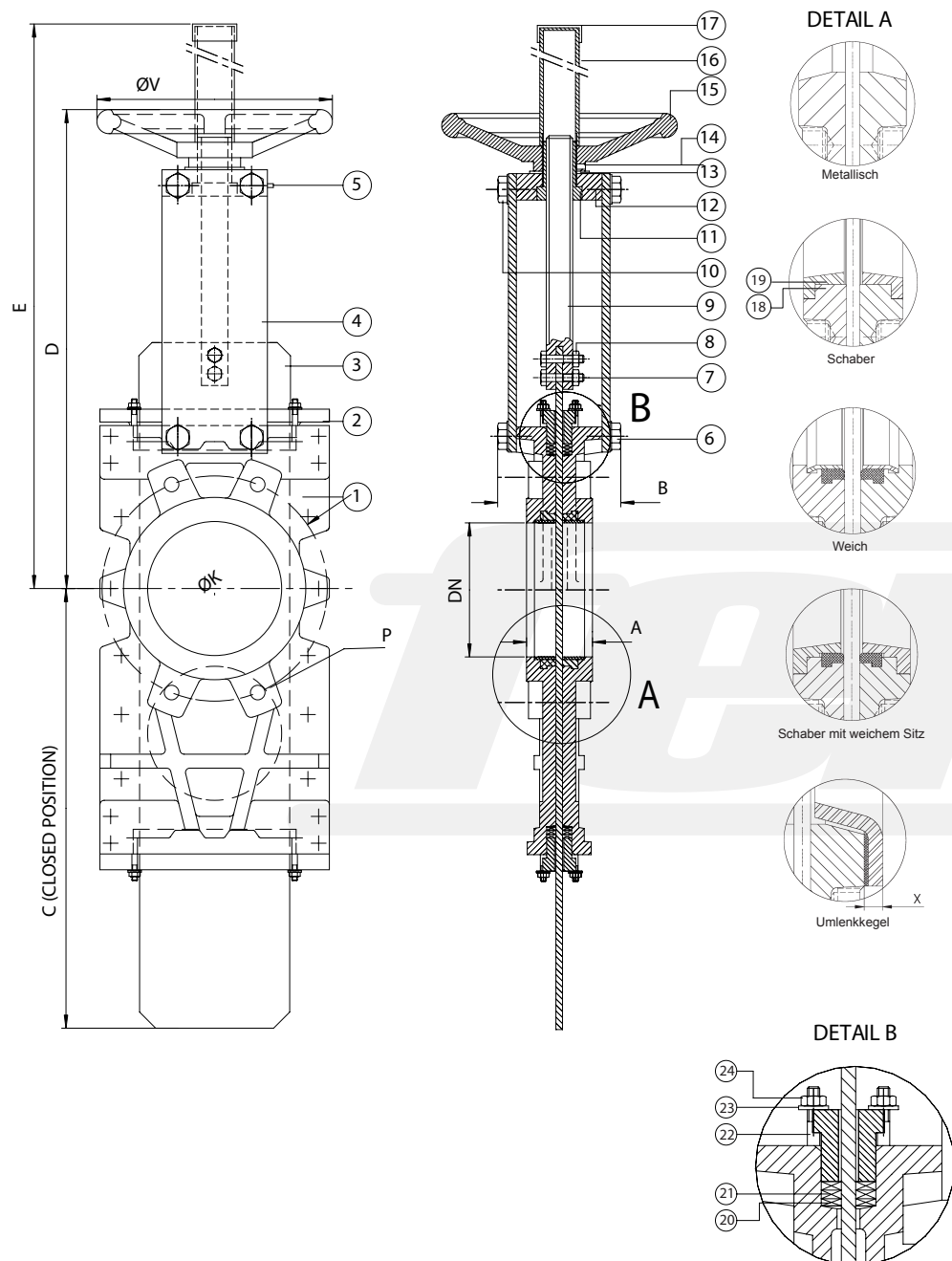


Pneumatic single acting:



The FERGO FL knife gate is a through conduit wafer valve designed for media with high consistency. The double seat design assures a non-clogging shut off on either normal or reverse flow. The valve is used in a wide range of demanding applications in industries such as:

- Pulp & Paper
- Wastewater Treatment Plants
- etc.
- Power Plants
- Chemical plants



Dimensions*

DN	INCH	A	B	C	D	E	V	X	Weight [kg]
50	2"	40	92	220	284	425	200	9	12
65	2 1/2"	40	92	260	308	450	200	9	14
80	3"	50	92	303	334	480	200	9	16
100	4"	50	92	360	374	520	200	9	20
125	5"	50	102	428	413	600	250	9	29
150	6"	60	102	493	465	650	250	9	35
200	8"	60	119	632	582	820	300	9	62
250	10"	70	119	767	682	1020	300	9	89
300	12"	70	119	897	782	1120	300	12	110
350	14"	96	192	1042	989	1380	400	12	174
400	16"	100	192	1167	1003	1490	400	12	266
450	18"	106	192	1297	1093	1580	500	12	326
500	20"	110	192	1455	1207	1690	500	12	372
600	24"	110	290	1705	1410	2030	500	12	445

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	Steel	Steel
6 Bolts	Steel	Stainless steel
7 Studs	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	Steel	Steel
14 Prisoner	1.4301/SS304	1.4301/SS304
15 Handwheel	1.4305/SS305	1.4305/SS305
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	Nitril	Nitril
22 Schrauben	Steel	Stainless steel
23 Unterlegscheibe	Steel	Stainless steel
24 Mutter	Steel	Stainless steel

Pressure

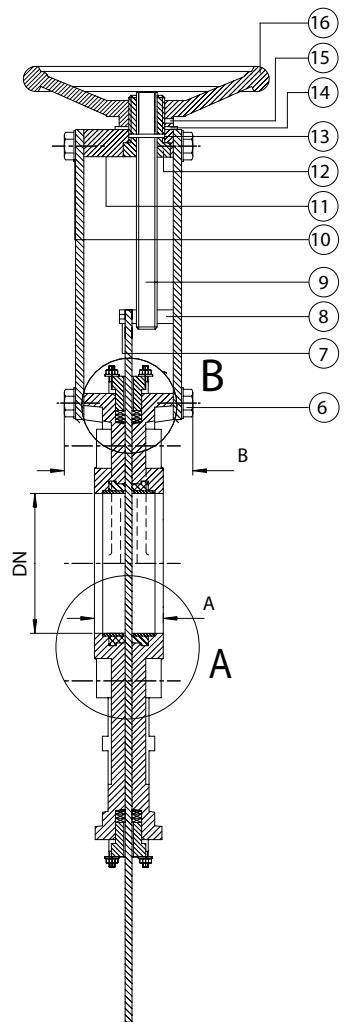
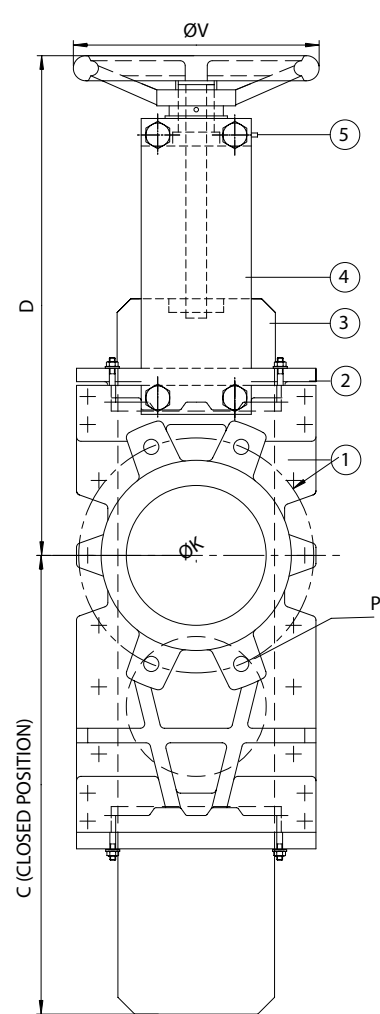
DN50 - DN250:	10 bar
DN300 - DN400:	6 bar
DN450:	5 bar
DN500 - DN600:	4 bar
DN700 - DN1200:	2 bar

Colour*

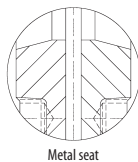


Flanges drilled according to
EN 1092-2 and DIN 2501: ISO PN10
(for further informations please visit our download
section on our website)

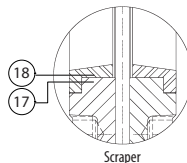
*Other dimensions / materials / colours on request



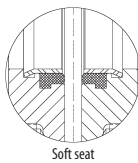
DETAIL A



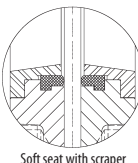
Metal seat



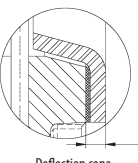
Scraper



Soft seat

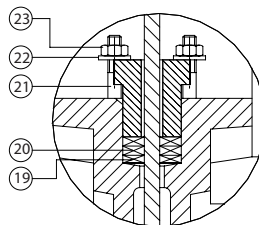


Soft seat with scraper



Deflection cone

DETAIL B



Dimensions*

DN	INCH	A	B	C	D	V	X
50	2"	40	92	220	286	200	9
65	2 1/2"	40	92	260	313	200	9
80	3"	50	92	303	339	200	9
100	4"	50	92	360	379	200	9
125	5"	50	102	428	417	250	9
150	6"	60	102	493	468	250	9
200	8"	60	119	632	588	300	9
250	10"	70	119	767	688	300	9
300	12"	70	119	897	788	300	12
350	14"	96	192	1042	903	400	12
400	16"	100	192	1167	1008	400	12
450	18"	106	192	1297	1098	500	12
500	20"	110	192	1455	1214	500	12
600	24"	110	290	1705	1419	500	12

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 Greasing	Aluminium	Aluminium
6 Bolts	Aluminium	Aluminium
7 Manoeuvring bolt	Steel	Stainless steel
8 Manoeuvring plug	Bronze	Bronze
9 Spindle	Steel	Steel
10 Grower Washer	Steel	Stainless steel
11 Manoeuvring support	Steel	Stainless steel
12 Manoeuvring nut	Steel	Bronze
13 Stop screw	1.4305/SS305	1.4305/SS305
14 Washer	Brass	Brass
15 Pin	1.4305/SS305	1.4305/SS305
16 Handwheel	Steel	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	Nitrile	Nitrile
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

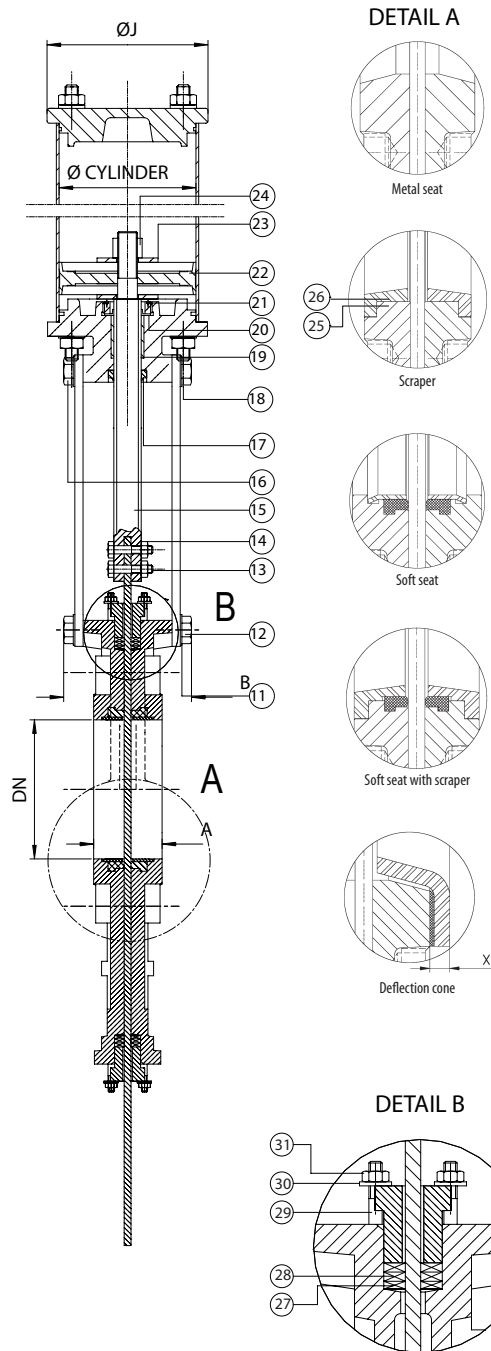
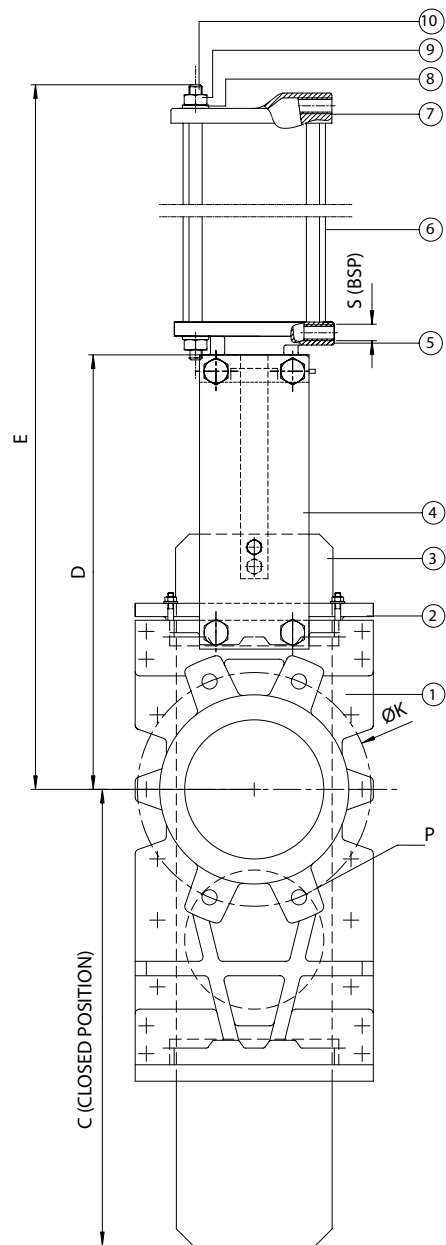
Colour*

 RAL 5015

Flanges drilled according to
EN 1092-2, DIN 2501: ISO PN10
and ANSI B16.5 (class 150)

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

*Other dimensions / materials / colours on request



Dimensions*

DN	INCH	A	B	C	Cylinder	S	J	D	E	X	Kg
50	2"	40	92	220	80	1/4"	96	240	418	9	14
65	2 1/2"	40	92	260	80	1/4"	96	270	455	9	16
80	3"	50	92	303	80	1/4"	96	295	497	9	18
100	4"	50	92	360	100	1/4"	115	335	562	9	23
125	5"	50	102	428	125	1/4"	138	370	639	9	34
150	6"	60	102	493	125	1/4"	138	418	715	9	41
200	8"	60	119	632	160	1/4"	175	522	882	9	73
250	10"	70	119	767	200	3/8"	218	625	1035	9	105
300	12"	70	119	897	200	3/8"	218	725	1160	12	128
350	14"	96	192	1042	250	3/8"	270	845	1321	12	207
400	16"	100	192	1167	250	3/8"	270	945	1471	12	300
450	18"	106	192	1297	300	1/2"	382	1045	1661	12	378
500	20"	110	192	1455	300	1/2"	382	1148	1802	12	445
600	24"	110	290	1705	300	1/2"	382	1360	2082	12	619
700	28"	110	300	1980	350	1/2"	426	1485	2452	12	-
800	32"	110	320	2245	350	1/2"	426	1614	2682	12	-
900	36"	110	320	2495	400	1/2"	538	1793	2945	12	-

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	Steel	Stainless steel
8 Washer	Steel	Stainless steel
9 Nut	Steel	Stainless steel
10 Rod	Steel	Stainless steel
11 Grower washer	Steel	Stainless steel
12 Bolts	Steel	Stainless steel
13 Studs	Steel	Stainless steel
14 Nut	Autobloc	Autobloc
15 Welle	1.4305/SS305	1.4305/SS305
16 Nut	Autobloc	Autobloc
17 Scraper	Nitrile	Nitrile
18 Nut	Steel	Steel
19 Nut	Bronze	Bronze
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	Nitrile	Nitrile
29 Studs	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

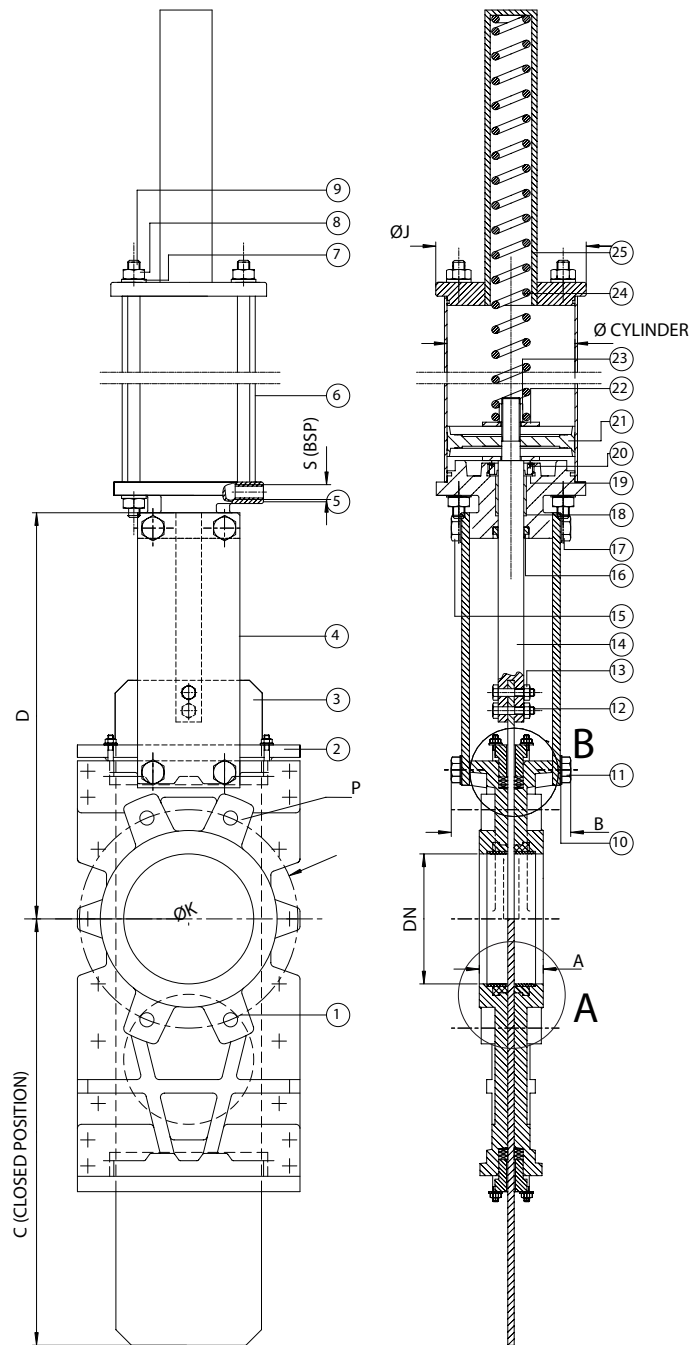
Colour*

 RAL 5015

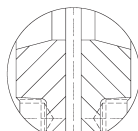
Flanges drilled according to
EN 1092-2, DIN 2501: ISO PN10
and ANSI B16.5 (class 150)

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

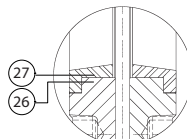
*Other dimensions / materials / colours on request



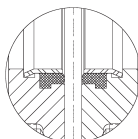
DETAIL A



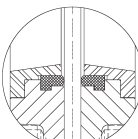
Metal seat



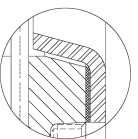
Scraper



Soft seat

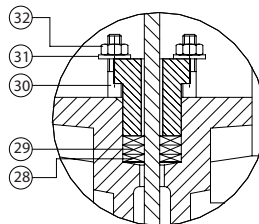


Soft seat with scraper



Deflection cone

DETAIL B



Dimensions*

DN	INCH	A	B	C	Cylinder	S	J	D	X	Kg
50	2"	40	92	220	80	1/4"	96	412	9	14
65	2 1/2"	40	92	260	80	1/4"	96	452	9	16
80	3"	50	92	303	80	1/4"	96	494	9	18
100	4"	50	92	360	100	1/4"	115	557	9	23
125	5"	50	102	428	125	1/4"	138	635	9	34
150	6"	60	102	493	125	1/4"	138	711	9	41
200	8"	60	119	632	160	1/4"	175	871	9	73
250	10"	70	119	767	200	3/8"	218	1027	9	105
300	12"	70	119	897	200	3/8"	218	1177	12	128

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

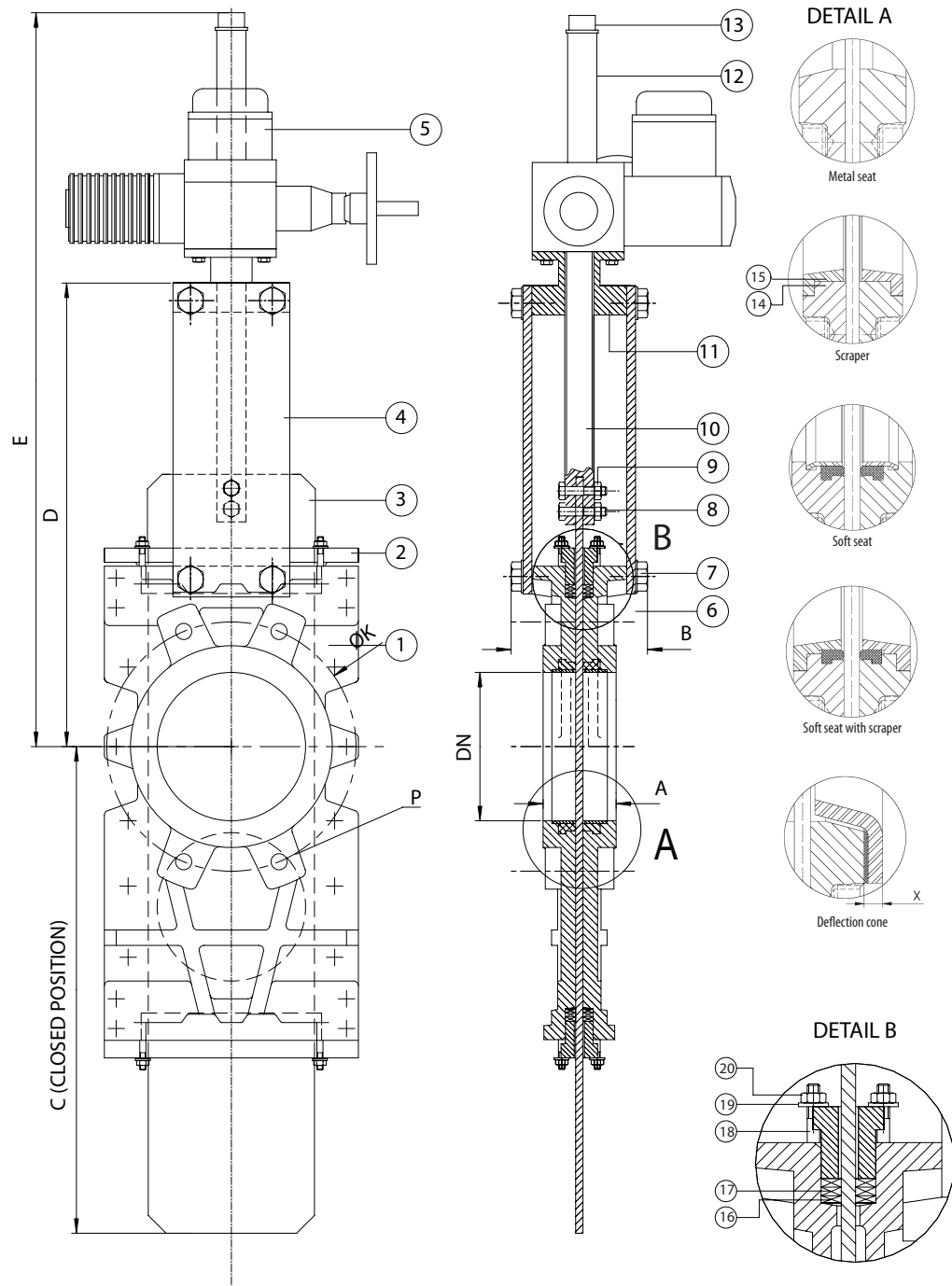
Colour*

 RAL 5015

Flanges drilled according to
EN 1092-2, DIN 2501: ISO PN10
and ANSI B16.5 (class 150)

(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	X
50	2"	40	92	220	240	630	9
65	2 1/2"	40	92	260	270	655	9
80	3"	50	92	303	295	680	9
100	4"	50	92	360	335	720	9
125	5"	50	102	428	370	805	9
150	6"	60	102	493	418	855	9
200	8"	60	119	632	522	1050	9
250	10"	70	119	767	625	1250	9
300	12"	70	119	897	725	1350	12
350	14"	96	192	1042	845	1510	12
400	16"	100	192	1167	945	1615	12
450	18"	106	192	1297	1045	1870	12
500	20"	110	192	1455	1148	1986	12
600	24"	110	290	1705	1360	2115	12

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 Motor		
6 Grower washer	Steel	Steel
7 Bolts	Steel	Stainless steel
8 Studs	Steel	Stainless steel
9 Nuts	Steel	Stainless steel
10 Spindle	1.4301/SS304	1.4301/SS304
11 Manoeuvring support	Steel	Stainless steel
12 Tube	Steel	Stainless steel
13 Cover	Autobloc	Autobloc
14 Seat	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
15 Ring	1.4408/SS316	1.4408/SS316
16 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
17 Toric joint	Nitrile	Nitrile
18 Studs	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

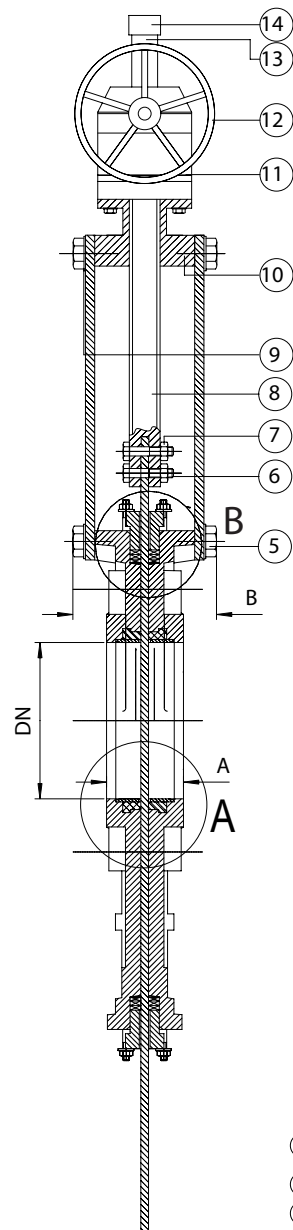
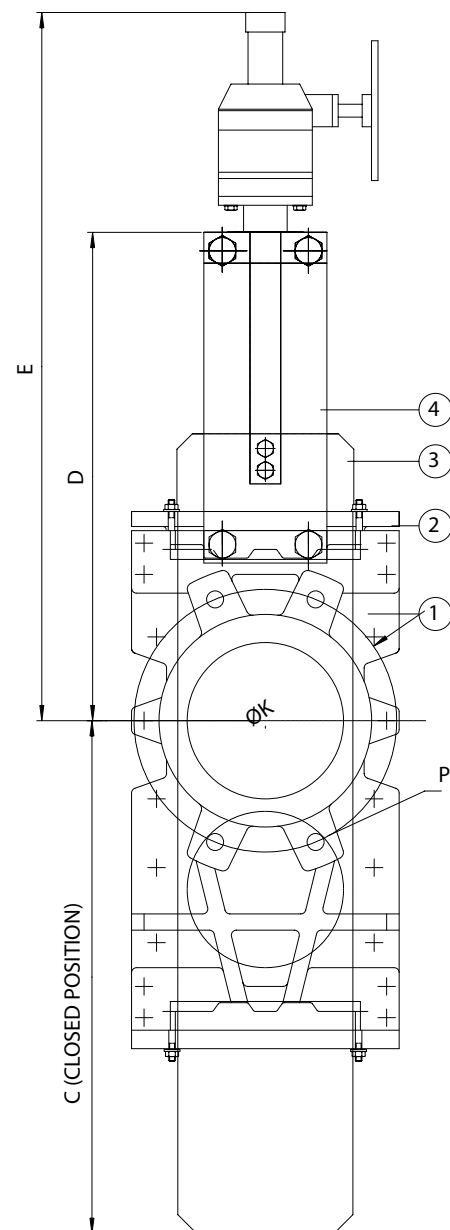
Colour*

 RAL 5015

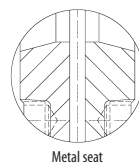
Flanges drilled according to EN 1092-2, DIN 2501: ISO PN10 and ANSI B16.5 (class 150)

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

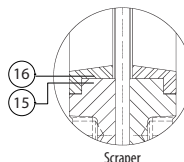
*Other dimensions / materials / colours on request



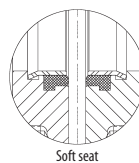
DETAIL A



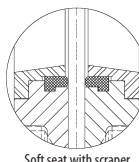
Metal seat



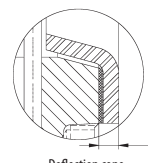
Scraper



Soft seat

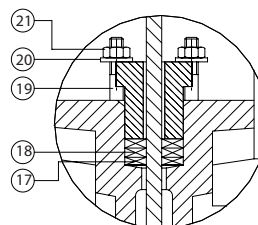


Soft seat with scraper



Deflection cone

DETAIL B



Dimensions*

DN	INCH	A	B	C	D	E	X
200	8"	60	119	632	522	930	9
250	10"	70	119	767	625	1130	9
300	12"	70	119	897	725	1230	12
350	14"	96	192	1042	845	1502	12
400	16"	100	192	1167	945	1607	12
450	18"	106	192	1297	1045	1697	12
500	20"	110	192	1455	1148	1813	12
600	24"	110	290	1705	1360	2148	12

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 Bolts	Steel	Aluminium
6 Studs	Steel	Aluminium
7 Nuts	Steel	Stainless steel
8 Spindle	1.4301/SS304	1.4301/SS304
9 Grower washer	Steel	Stainless steel
10 Manoeuvring support	Steel	Stainless steel
11 Reducer		
12 Handwheel	Steel	Stainless steel
13 Tube	Steel	Stainless steel
14 Cover	Plastic	Plastic
15 Seat	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
16 Ring	1.4408/SS316	1.4408/SS316
17 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
18 Toric joint	Nitrile	Nitrile
19 Studs	Steel	Stainless steel
20 Washer	Steel	Stainless steel
21 Nut	Steel	Stainless steel

Pressure

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

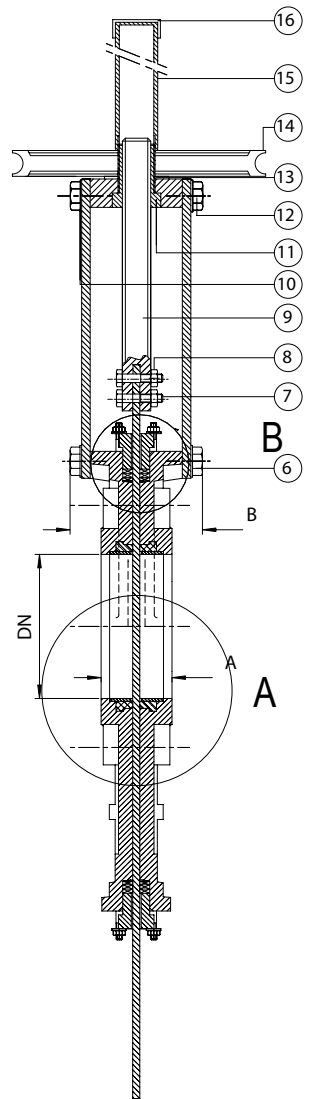
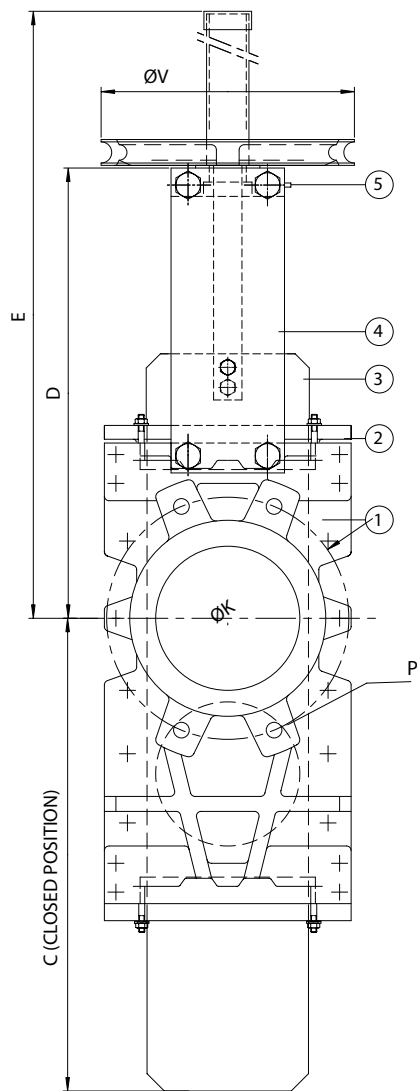
Colour*

 RAL 5015

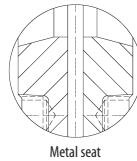
Flanges drilled according to
EN 1092-2, DIN 2501: ISO PN10
and ANSI B16.5 (class 150)

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

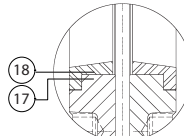
*Other dimensions / materials / colours on request



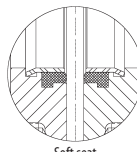
DETAIL A



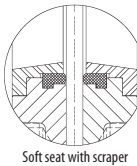
Metal seat



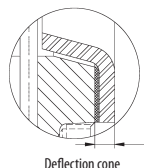
Scraper



Soft seat

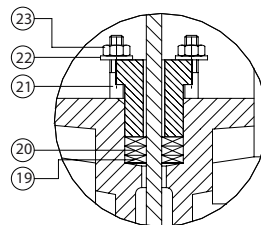


Soft seat with scraper



Deflection cone

DETAIL B



Dimensions*

DN	INCH	A	B	C	D	E	V	X
50	2"	40	92	220	240	425	210	9
65	2 1/2"	40	92	260	270	450	210	9
80	3"	50	92	303	295	480	210	9
100	4"	50	92	360	335	520	210	9
125	5"	50	102	428	370	600	260	9
150	6"	60	102	493	418	650	260	9
200	8"	60	119	632	522	820	300	9
250	10"	70	119	767	625	1020	300	9
300	12"	70	119	897	725	1120	300	12
350	14"	96	192	1042	845	1380	400	12
400	16"	100	192	1167	945	1490	400	12
450	18"	106	192	1297	1045	1580	500	12
500	20"	110	192	1455	1148	1690	500	12
600	24"	110	290	1705	1360	2030	500	12

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 Greasing	Steel	Steel
6 Bolts	Steel	Stainless steel
7 Studs	Steel	Stainless steel
8 Nuts	Steel	Stainless steel
9 Spindle	1.4301/SS304	1.4301/SS304
10 Grower washer	Steel	Stainless steel
11 Manoeuvring nut	Bronze	Bronze
12 Manoeuvring support	Steel	Steel
13 Washer	Steel	Steel
14 Handwheel	1.4305/SS305	1.4305/SS305
15 Tube	Steel	Steel
16 Cover	Plastic	Plastic
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	Nitrile	Nitrile
21 Studs	Steel	Stainless steel
22 Washer	Steel	Stainless steel
23 Nut	Steel	Stainless steel

Pressure

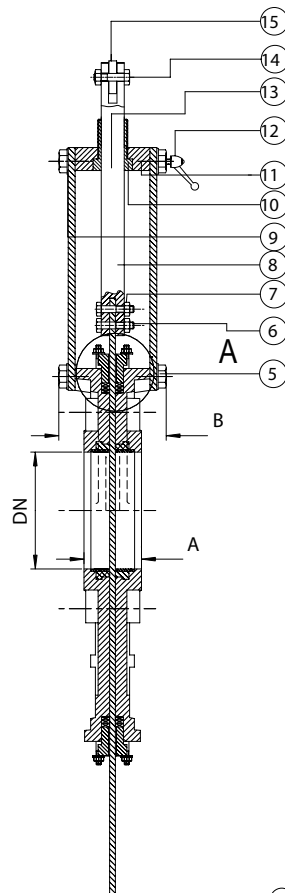
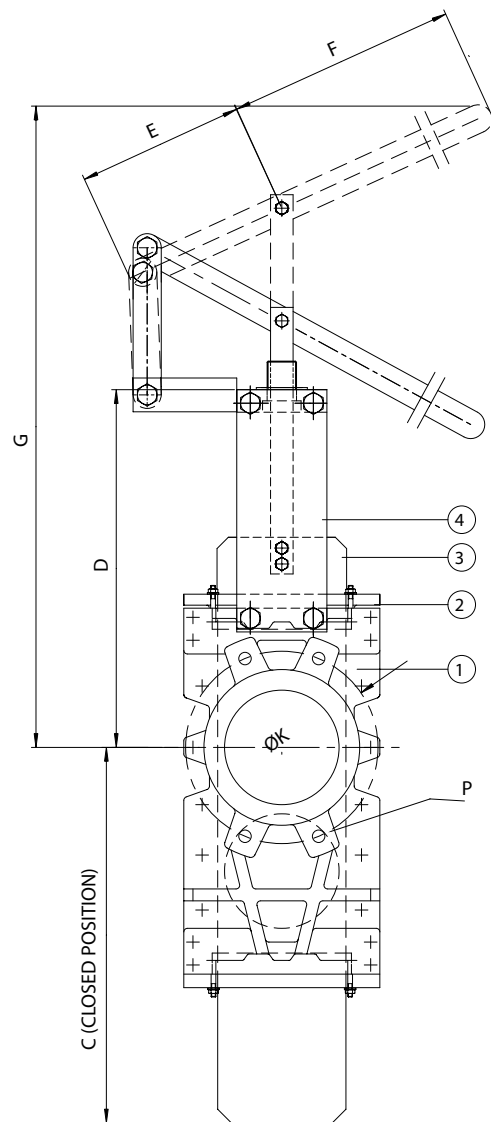
DN50 - DN250:	10 bar
DN300 - DN400:	6 bar
DN450:	5 bar
DN500 - DN600:	4 bar
DN700 - DN1200:	2 bar

Colour*

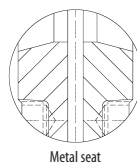
RAL 5015

Flanges drilled according to EN 1092-2, DIN 2501: ISO PN10 and ANSI B16.5 (class 150)
(for further informations please visit our download section on our website)

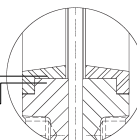
*Other dimensions / materials / colours on request



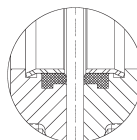
DETAIL A



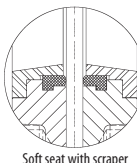
Metal seat



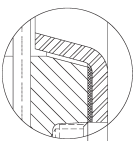
Scraper



Soft seat

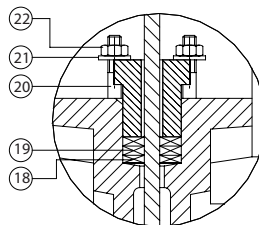


Soft seat with scraper



Deflection cone

DETAIL B



Dimensions*

DN	INCH	A	B	C	D	E	F	G
50	2"	40	92	220	244	150	300	395
65	2 1/2"	40	92	260	268	150	300	435
80	3"	50	92	303	296	150	300	458
100	4"	50	92	360	336	150	400	590
125	5"	50	102	428	370	150	400	725
150	6"	60	102	493	421	150	400	892
200	8"	60	119	632	527	323	600	1280
250	10"	70	119	767	628	323	600	1430
300	12"	70	119	897	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 Nuts	Steel	Stainless steel
6 Nuts	Steel	Stainless steel
7 Nuts	Steel	Stainless steel
8 Shaft	1.4301/SS304	1.4301/SS304
9 Washer	Steel	Stainless steel
10 Actuator nut	Bronze	Bronze
11 Bridge	Steel	Steel
12 Washer	Brass	Brass
13 Chainwheel	Steel	Steel
14 Screw	Steel	Steel
15 Lever	Plastic	Plastic
16 Seat	EPDM / NBR / Viton / Silicon / Fluocast ABP / PTFE	
17 Sealing ring	1.4408/SS316	1.4408/SS316
18 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
19 Packing joint	EPDM / NBR / Viton / PTFE	
20 Gland 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

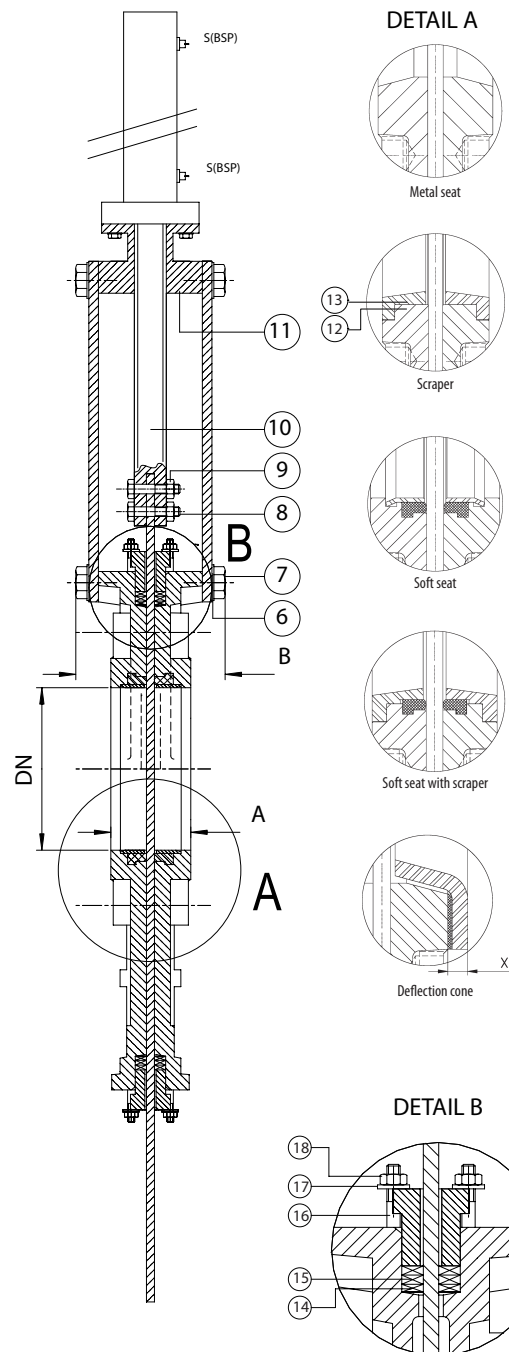
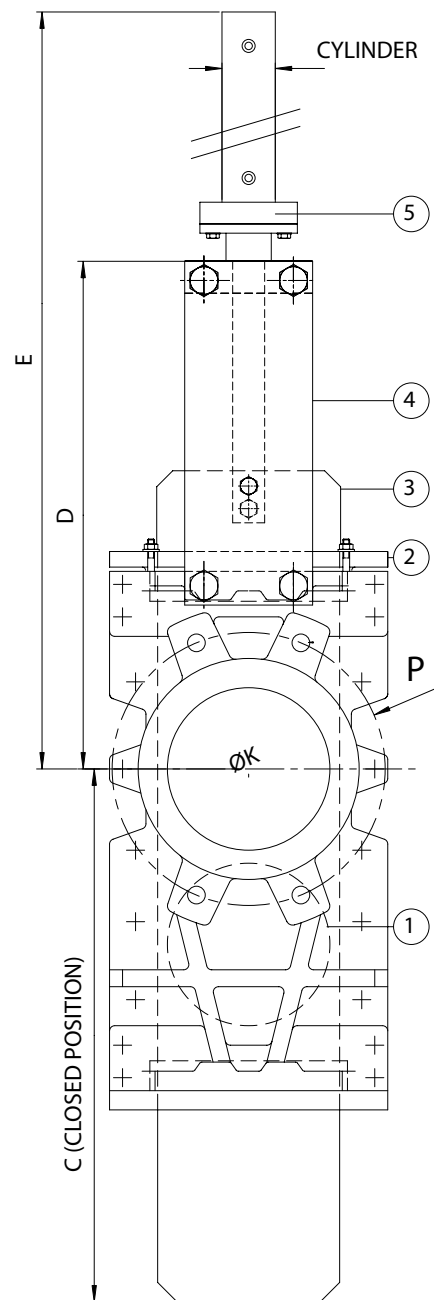
Colour*

RAL 5015

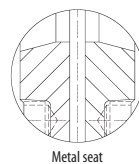
Flanges drilled according to
EN 1092-2, DIN 2501: ISO PN10
and ANSI B16.5 (class 150)

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

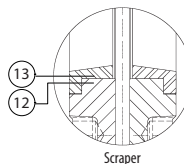
*Other dimensions / materials / colours on request



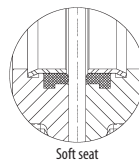
DETAIL A



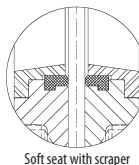
Metal seat



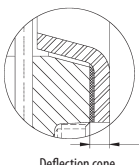
Scraper



Soft seat

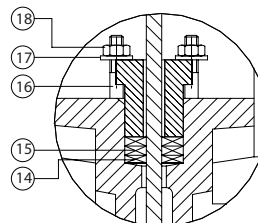


Soft seat with scraper



Deflection cone

DETAIL B



Dimensions*

DN	INCH	A	B	C	D	E	Cylinder	X
50	2"	40	92	220	284	425	200	9
65	2 1/2"	40	92	260	308	450	200	9
80	3"	50	92	303	334	480	200	9
100	4"	50	92	360	374	520	200	9
125	5"	50	102	428	413	600	250	9
150	6"	60	102	493	465	650	250	9
200	8"	60	119	632	582	820	300	9
250	10"	70	119	767	682	1020	300	9
300	12"	70	119	897	782	1120	300	12
350	14"	96	192	1042	989	1380	400	12
400	16"	100	192	1167	1003	1490	400	12
450	18"	106	192	1297	1093	1580	500	12
500	20"	110	192	1455	1207	1690	500	12
600	24"	110	290	1705	1410	2030	500	12

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 Hydraulic		
6 Grower washer	Steel	Stainless steel
7 Bolts	Steel	Stainless steel
8 Studs	Steel	Stainless steel
9 Nuts	Steel	1.4301/SS304
10 Spindle	1.4301/SS304	Stainless steel
11 Manoeuvring support	Steel	Bronze
12 Seat	EPDM / NBR / Viton / Silicon / Flucast ABP / PTFE	
13 Ring	1.4408/SS316	1.4408/SS316
14 Packing	Synt. + PTFE / PTFE / Graphite / Ceramic fibre	
15 Toric joint	Nitrile	Nitrile
16 Studs	Steel	Stainless steel
17 Washer	Steel	Stainless steel
18 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*

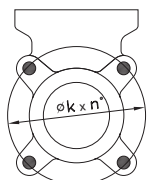
RAL 5015

Flanges drilled according to
EN 1092-2, DIN 2501: ISO PN10
and ANSI B16.5 (class 150)

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

*Other dimensions / materials / colours on request

EN 1092-2 PN10



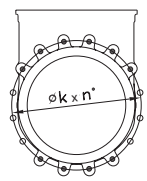
DN50-65



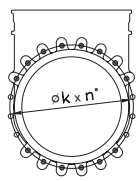
DN80-200



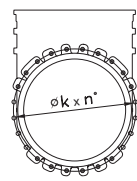
DN250-300



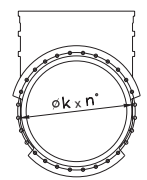
DN350-400



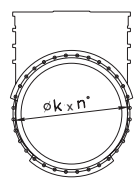
DN450-600



DN700-800



DN900-1000

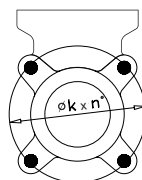


DN1200

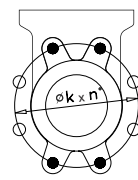
EN 1092-2 PN10

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

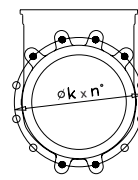
ANSI Class 150*



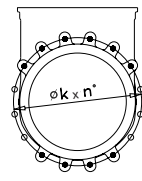
2" - 3"



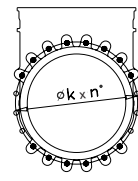
4" - 8"



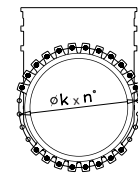
10" - 14"



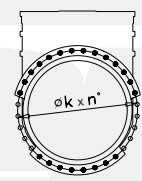
16" - 18"



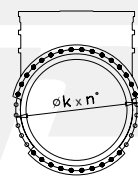
20" - 24"



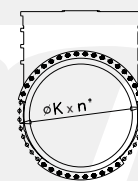
28" - 32"



36"



40"



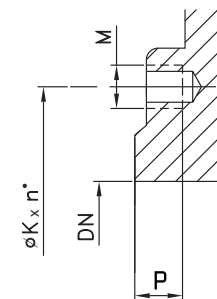
48"

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

FL300 - C - S1 - E - D - W - DN150

Stainless Steel : **S1**
1.4301
Stainless Steel : **S**
1.4408

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**

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: FL300-CS1EDW-DN80
or: FL300-CS1EDW-3"

— Deflection cone
- - - Scraper

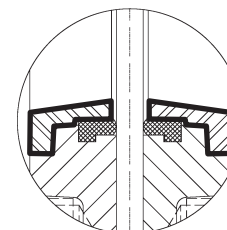


Fig. 1: Deflection cone

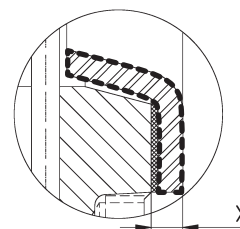


Fig. 2: Scraper



Seat / Seals

Material	Mat.-No.	Max. Temp.	Applications
Metal	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 PN16 wafer type;**
- » **ANSI Class 150 wafer type;**

- ...actuators are already named, but it is possible to build a construction like the **air tank** to make your FL300 **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 + 2)

*the scraper is not upgradable!

- Any special requisitions are on request.**