

Slide Gate Valve



Handwheel or Pneumatic

Objectives: extraction and dosing by gravity

The slide gate valves are commonly used to control flows with suspended solids. These valves are designed to shut off the bulk flow product thanks to the central blade seal which provides an excellent product retention. Our slide gate valves are mainly used in the chemical, food, energy or even water treatment industries.

TECHNICAL SPECIFICATIONS

Diameter: DN 80 - DN 800

Flanges finishes: EN 1092 PN 10

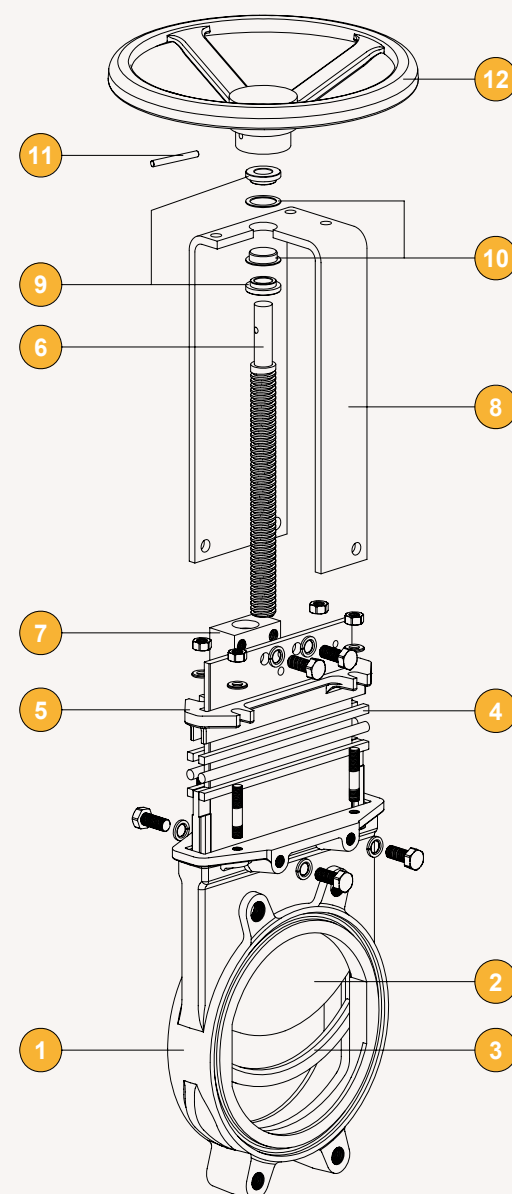
Sealing: ISO 5208, classe A

Temperature: maximum 180°C (depending on the pressure, the liquid and the materials)

Manufacturing: stainless steel 304 L & 316 L

Actuator: hand wheel, ratchet lever, chain wheel, manual wheel reductor, pneumatic cylinder, electric servomotor, hydraulic cylinder

Pressure: 10 bars (DN 80-DN 350)/6 bars (DN 400-DN 600)/4 bars (DN 700-DN800)



- 1 Body
- 2 Spade
- 3 Rubber seal
- 4 Trim
- 5 Cable gland
- 6 Stem
- 7 Drive nut
- 8 Arch
- 9 Brass bush
- 10 Nylon bush and washer
- 11 Pin
- 12 Hand wheel



➤ **Manual: bi-directional knife gate valve** appropriate for products with a solids concentration and for bulk materials

➤ **Pneumatic: uni-directional knife gate valve** for liquids and solids



➤ **Secured sealing** without any additional measurement thanks to the rubbers seal integrated in the polymere coating



➤ The valves bodies are totally coated with engineering polymer composite (food, FDA/EN approved on demand)



➤ **Exchangeable actuators:** manual, pneumatic or electromecanic

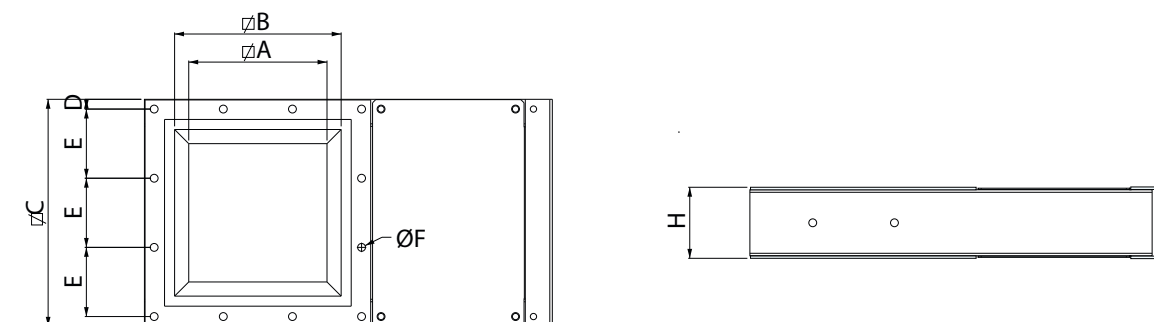


➤ **High resistance to abrasion**

Advantages



SQUARE SIZE VALVE

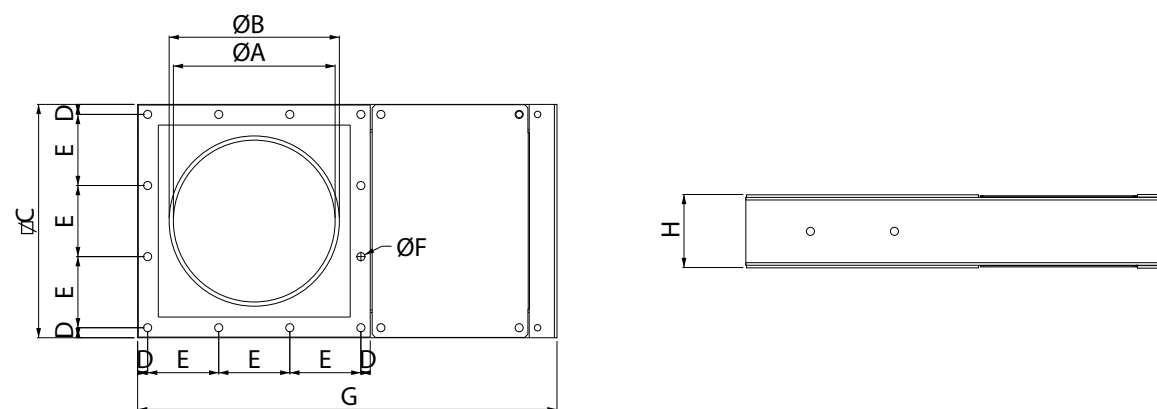


Models	Flow area AXA	B	C	D	E	N°E	ØF	Bolts	G	H	Kg
VGPC0150	120	175	261	15.5	115	2	12.5	M10	455	113	14
VGPC0200	170	225	311	15.5	93.3	3	12.5	M10	555	113	18
VGPC0250	220	275	361	15.5	110	3	12.5	M10	650	113	22
VGPC0300	270	325	431	23	128.3	3	12.5	M10	765	113	30
VGPC0350	320	375	481	18	89	5	12.5	M10	900	125	40
VGPC0400	370	425	531	15.5	100	5	12.5	M10	1 000	125	46

Dimensions in mm.

Slide Gate Valve

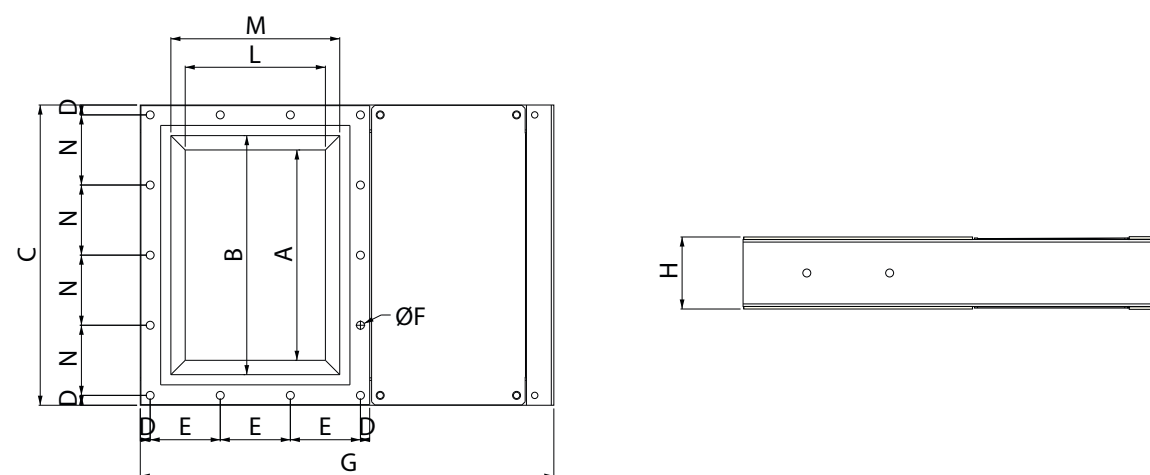
▶ ROUND SIZE VALVE



Models	Ø flow area A	ØB	ØC	D	E	N°E	ØF	Bolts	G	H	Kg
VGPRD0150	150	165	261	15.5	115	2	12.5	M10	455	113	14
VGPRD0200	200	215	311	15.5	93.3	3	12.5	M10	555	113	18
VGPRD0250	250	265	361	15.5	110	3	12.5	M10	650	113	22
VGPRD0300	300	315	431	23	128.3	3	12.5	M10	765	113	30
VGPRD0350	350	365	481	18	89	5	12.5	M10	900	125	40
VGPRD0400	400	415	531	15.5	100	5	12.5	M10	1,000	125	46

Dimensions in mm.

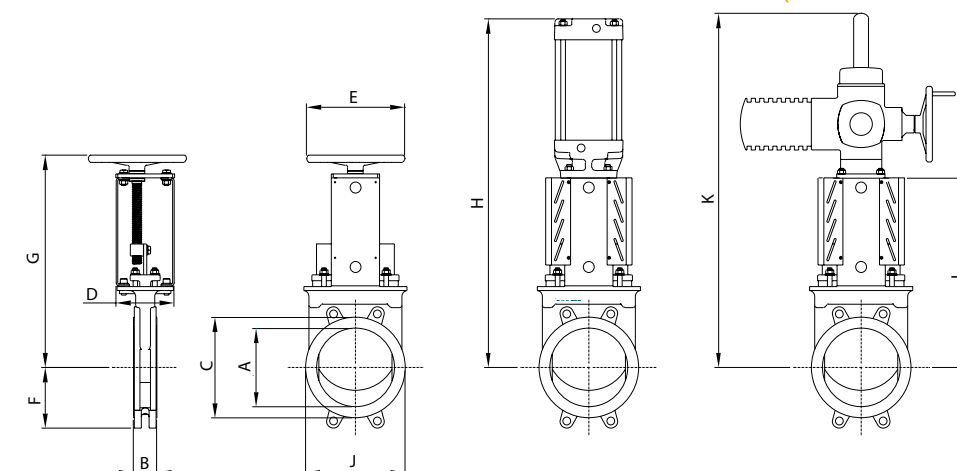
▶ RECTANGULAR SIZE VALVE



Models	A	B	C	D	E	N°E	ØF	Bolts	G	H	L	M	N	N°N	Kg
VGPR0150	204	260	346	15.5	115.0	2	12.5	M10	455	109	119	175	105	3	18
VGPR0200	281	337	423	15.5	93.3	3	12.5	M10	555	109	169	225	98	4	25
VGPR0250	353	409	495	15.5	110.0	3	12.5	M10	650	109	219	275	116	4	30
VGPR0300	428	484	592	23.0	128.3	3	12.5	M10	765	109	269	325	136	4	40

Dimensions in mm.

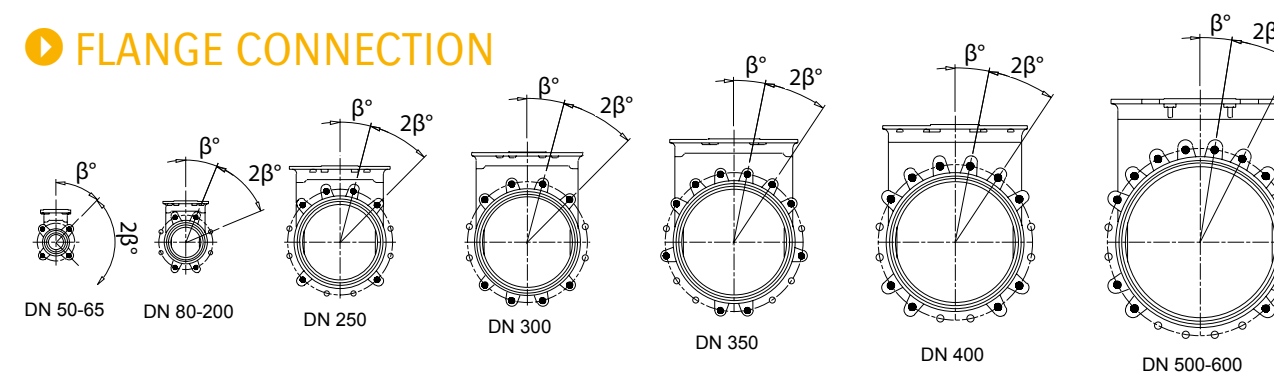
▶ SLIDE GATE VALVE WITH STANDARD FLANGE (for difficult applications)



DN (mm.)	Size	A	B	C	D	E	F	G	H	J	K	L	Air feeding	Weight (kg)
50	1 ½	50	43	90	86	202	59	299	441	90	575	227	¼"	5.5
65	2 ½	65	46	105	86	202	66	324	481	105	600	252	¼"	6.5
80	3	80	46	120	86	202	88	346	519	120	623	275	¼"	7.5
100	4	100	52	144	86	202	101	381	574	144	658	310	¼"	9.5
125	5	125	56	169	86	250	112	421	709	169	698	350	¼"	12
150	6	150	56	192	86	250	130	464	776	192	740	392	¼"	14
200	8	200	60	256	151	317	154	561	888	256	818	483	½"	27
250	10	250	68	307	151	317	153	657	1,034	307	914	579	½"	38
300	12	300	78	354	151	317	213	753	1,180	354	1,059	675	½"	53
350	14	350	80	407	187	400	245	880	1,367	407	1,228	783	½"	81
400	16	400	80	460	187	400	246	977	1,514	460	1,375	880	½"	106
500	20	500	90	566	262	520	284	1,214	1,835	566	1,706	1,100	½"	185
600	24	600	100	682	262	520	341	1,419	2,311	682	2,011	1,305	1"	275

Dimensions in mm.

▶ FLANGE CONNECTION



DN (mm.)	50	65	80	100	125	150	200	250	300	350	400	500	600
Ø external flange (mm.)	165	185	200	220	250	285	340	395	445	505	565	670	780
Ø bolts (mm.)	125	145	160	180	210	240	295	350	400	460	515	620	725
Front dimensions (mm.)	43	46	46	52	56	56	60	68	78	80	80	90	100
Number through-holes	-	-	4	4	4	4	4	6	4	6	6	8	8
Number tapped holes	4	4	4	4	4	4	4	6	8	10	10	12	12
Bolts size	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M24	M24	M27
β°	45	45	22.5	22.5	22.5	22.5	22.5	15	15	11.25	11.25	9	9
Screw size (mm.)	14	16	10	12	12	14	16	18	18	18	20	24	24