

Specification

DESIGN
One-piece valve body, robust and resistant to deformation, avoiding possible leaks of the half-body type.

OPERATION
Manual, electric, pneumatic

CONNECTION
Wafer: ANSI 150/PN10

PRESSURE RANGE
PN10

TEMPERATURE RANGE
NBR: -20°C - +85°C
EPDM: -20°C - +120°C
VITON: -20°C - +150°C
Metal seal: MAX. 500°C

MATERIALS
Body: GGG40
CF8
CF8M

Disc: 304
316

Seal: NBR/EPDM/VITON/Metal

ARI SUPPLY MEDIUM
3~8bar

OPTIONS
3/2 or 5/2-way valve,Others on request

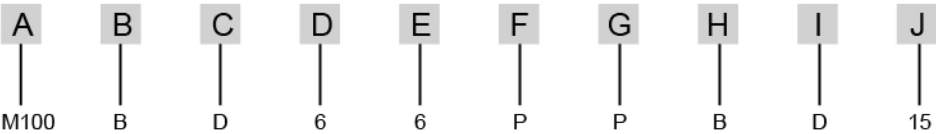
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Type:
M100

Hand operated knife gate valve/
Pneumatic knife gate valve/
Electric knife gate valve
PN10
150LB
GGG40
CF8
CF8M

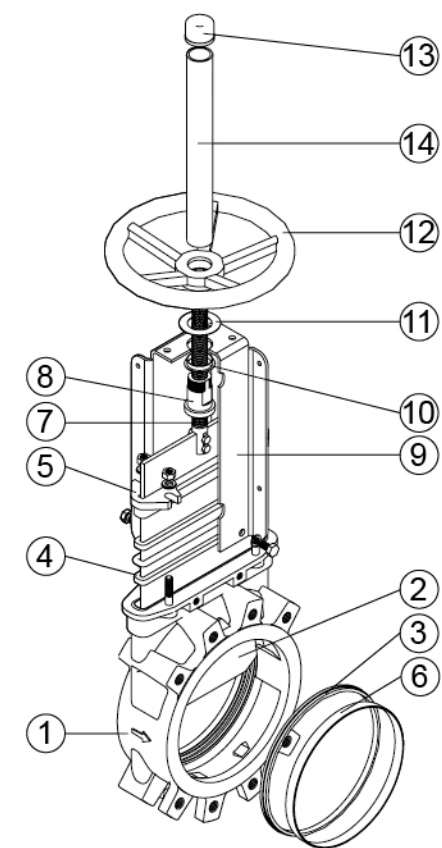
Model code



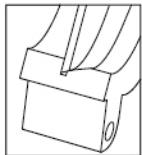
A. Product	B. Control	C. Type of actuator	D. Body
M100=Knife Gate Valve	A=Manual N=Pneumatic Straight Cylinder type X=Electronic control non-intelligent mechatronics T=Electronic control intelligent F module	W=Handwheel D=Double Acting S=Single Acting FC P=Single Acting FO M=380VAC Electric Actuator(ON/OFF) Q=380VAC Explosion Proof Electric Actuator (ON/OFF)	0=GGG40 4=CF8 6=CF8M

E. Trim	F. Seal	G. Packing	H. Pressure	I. Connection	J. Valve size
4=SS304 6=SS316	D=Meatal E=EPDM F=VITON/FKM N=NBR	P=PTFE	A=PN10 B=150LB	A=ASME FLANGE C=GB FLANGE D=DIN FLANGE	18=2" (DN50) 19=2 1/2" (DN65) 20=3" (DN80) 21=4" (DN100) 22=5" (DN125) 23=6" (DN150) 24=8" (DN200) 25=10" DN250 26=12" DN300 27=14" DN350 28=16" DN400 29=18" (DN450) 30=20"(DN500) 31=24"(DN600) 32=28"(DN700) 33=32"(DN800) 34=36"(DN900) 35=40"(DN1000)

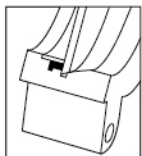
Parts list



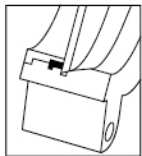
TIGHTNESS



Metal/metal
tightness



Rubber gasket
tightness

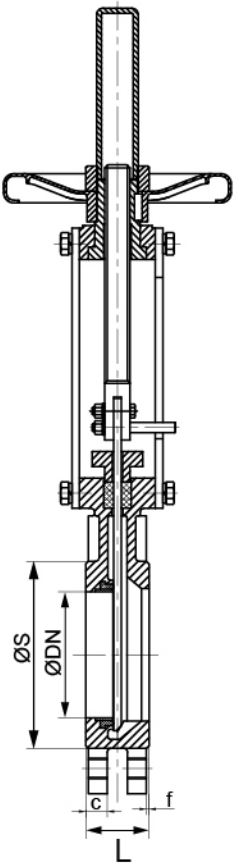
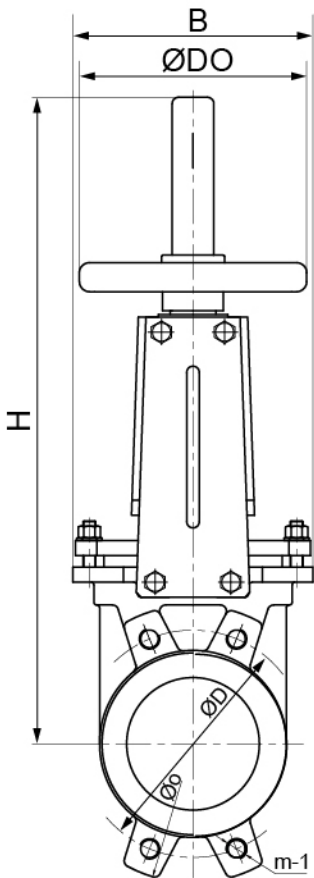


Reinforced seat
support ring

No.	Description	Material
1	Body	GGG40
		CF8
		CF8M
2	Gate	304
		316
3	Seat	NBR/EPDM/VITON/Metal
4	Packing	PTFE
5	Gland	Ductile iron
		Stainless steel
6	Retainer ring	304
		316
7	Stem	Stainless steel
8	Stem nut	Brass
9	Yoke	Epoxy-coated Carbon steel
10	Collar	Nylon
11	Anti-friction washer	Brass
12	Handwheel	Ductile iron
13	Cap	Plastic
14	Stem protective sleeve	Epoxy-coated Carbon steel

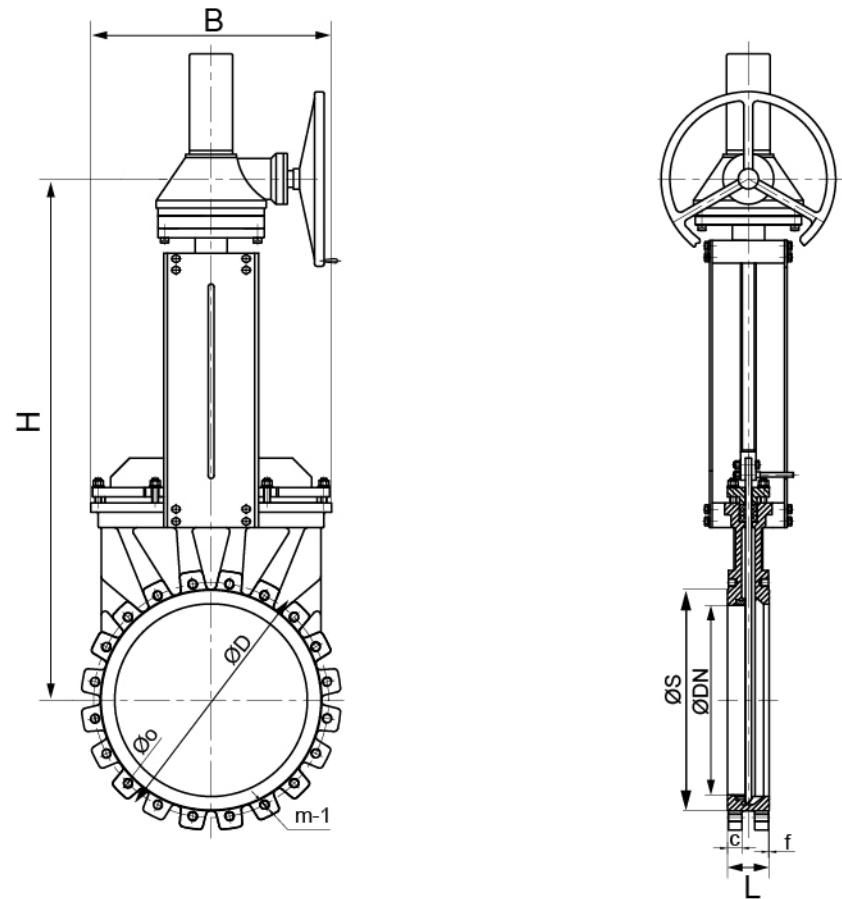
Dimension

PN10



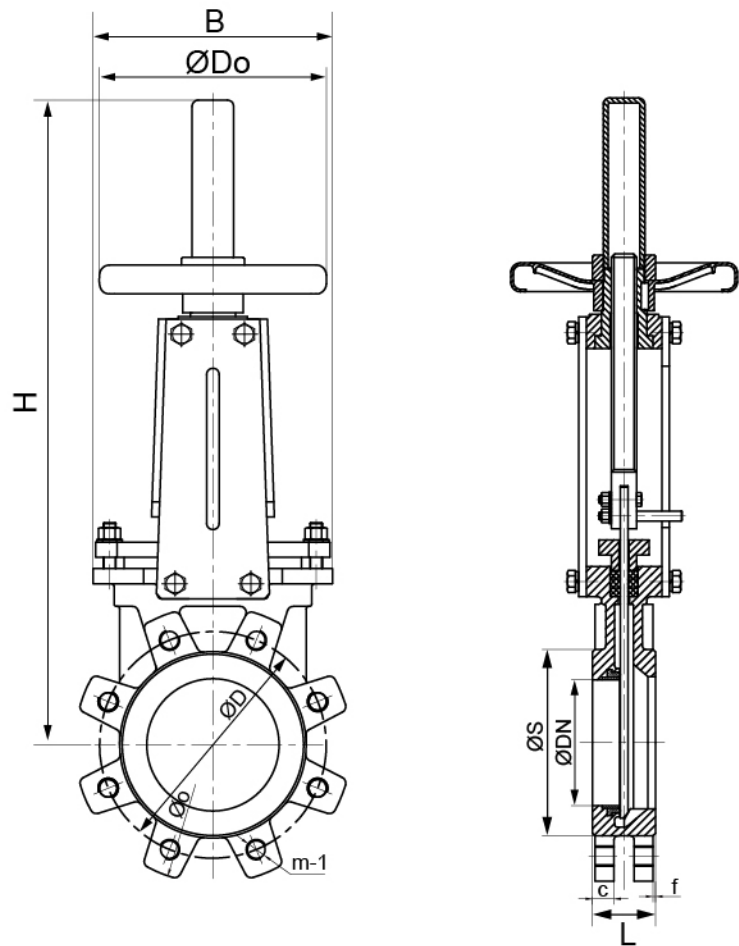
SIZE	DN	L	O	S	C	f	B	D	H	DO	M-1
2"	50	40	165	95	16	2	136	125	375	180	4-M16
2-1/2"	65	40	185	110	16	2	151	145	420	180	4-M16
3"	80	50	200	127	17	2	170	160	450	200	8-M16
4"	100	50	220	148	17	2	190	180	512	200	8-M16
5"	125	50	250	174	17	2	212	210	570	220	8-M16
6"	150	60	285	199	21	2	230	240	665	250	8-M20
8"	200	60	340	250	21	2	286	295	825	300	8-M20
10"	250	70	395	308	24	2	338	350	1000	350	12-M20
12"	300	70	445	360	24	2	388	400	1155	350	12-M20
14"	350	96	505	416	33	2	460	460	1310	400	16-M20
16"	400	100	565	466	35	2	520	515	1475	500	16-M24

Dimension
GEAR OPERATION
PN10



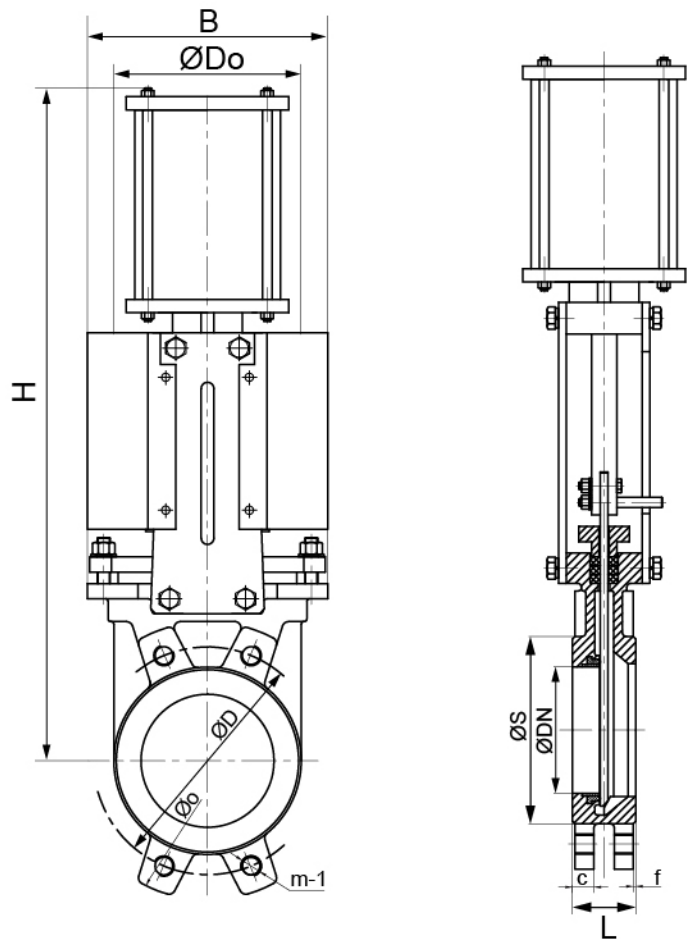
SIZE	DN	L	O	S	C	f	B	D	H	M-1
18"	450	106	615	525	36	2	585	565	1170	20-M24
20"	500	110	670	574	37	2	635	620	1280	20-M24
24"	600	110	780	664	37	2	720	725	1485	20-M27
28"	700	110	895	1070	38	2	807	840	1670	20-M27
32"	800	110	1015	955	38	2	922	950	1880	24-M30
36"	900	110	1115	955	38	2	1030	1050	2120	28-M30
40"	1000	110	1230	1080	38	2	1140	1160	2270	28-M33
≥DN1100 Detailed technology department										

Dimension
150LB
OPERATION
HAND WHEEL



DN		L	O	DO	S	C	f	B	D	H	M-(UNC)
in	mm										
2"	50	48	152	120.5	95	16	1.6	136	120.5	375	4-M5/8"-11
2-1/2"	65	48	178	139.5	110	16	1.6	151	139.5	420	4-M5/8"-11
3"	80	51	190	152.5	127	17	1.6	170	152.5	450	4-M5/8"-11
4"	100	51	229	190.5	148	17	1.6	190	190.5	512	8-M5/8"-11
5"	125	57	254	216	174	17	1.6	212	216	570	8-M3/4"-10
6"	150	57	280	241.5	199	21	1.6	230	241.5	665	8-M3/4"-10
8"	200	70	343	298.5	250	21	1.6	286	298.5	825	8-M3/4"-10
10"	250	70	406	362	308	24	1.6	338	362	1000	12-M7/8"-9
12"	300	76	483	432	360	24	1.6	388	432	1155	12-M7/8"-9
14"	350	76	533	476	416	33	1.6	460	476	1310	12-M1"-8
16"	400	89	597	540	466	35	1.6	520	540	1475	16-M1"-8
≥18" Detailed technology department											

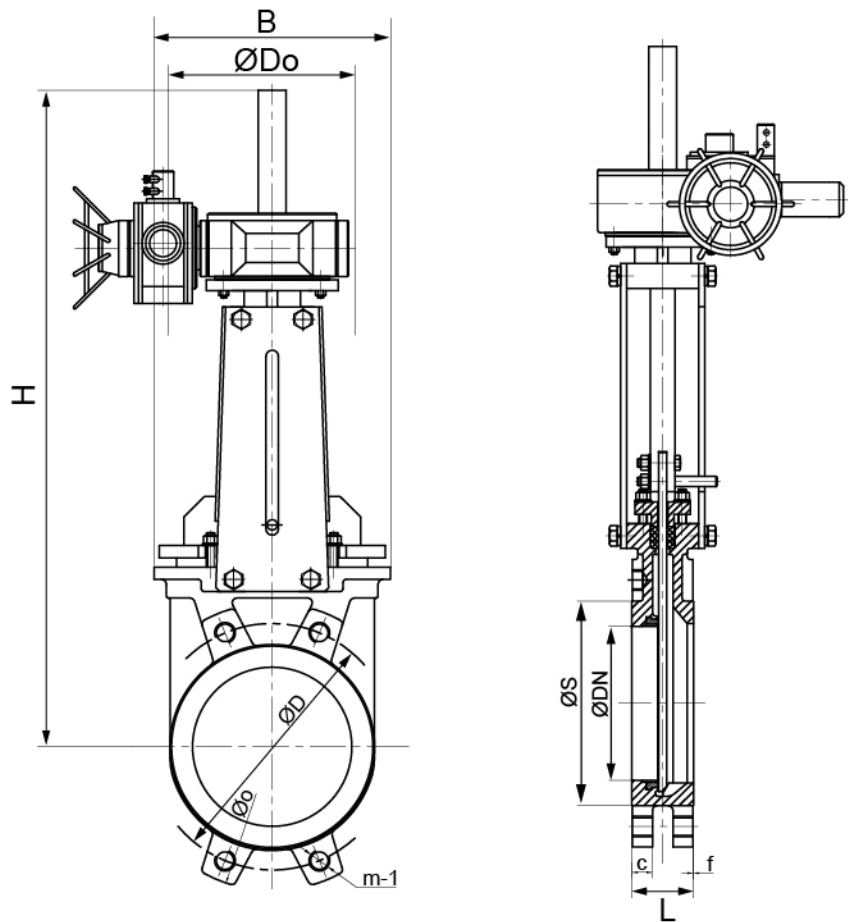
Dimension
Pnuematic
OPERATION



SIZE	DN	L	O	S	C	f	B	D	H	M-1
2"	50	40	165	95	16	2	136	125	430	4-M16
2-1/2"	65	40	185	110	16	2	151	145	460	4-M16
3"	80	50	200	127	17	2	170	160	510	8-M16
4"	100	50	220	148	17	2	190	180	570	8-M16
5"	125	50	250	174	17	2	212	210	660	8-M16
6"	150	60	285	199	21	2	230	240	720	8-M20
8"	200	60	340	250	21	2	286	295	890	8-M20
10"	250	70	395	308	24	2	338	350	1120	12-M20
12"	300	70	445	360	24	2	388	400	1230	12-M20
14"	350	96	505	416	33	2	460	460	1370	16-M20
16"	400	100	565	466	35	2	520	515	1570	16-M24
18"	450	106	615	525	36	2	585	565	1720	20-M24
20"	500	110	670	584	37	2	635	620	1850	20-M24
24"	600	110	780	664	37	2	720	725	2150	20-M27
≥DN700 Detailed technology department										

Dimension
ELECTRIC OPERATION

Aisenberg®



SIZE	DN	L	O	S	C	f	B	D	H	M-1
2"	50	40	165	95	16	2	136	125	640	4-M16
2-1/2"	65	40	185	110	16	2	151	145	670	4-M16
3"	80	50	200	127	17	2	170	160	695	8-M16
4"	100	50	220	148	17	2	190	180	755	8-M16
5"	125	50	250	174	17	2	212	210	810	8-M16
6"	150	60	285	199	21	2	230	240	875	8-M20
8"	200	60	340	250	21	2	286	295	1010	8-M20
10"	250	70	395	308	24	2	338	350	1125	12-M20
12"	300	70	445	360	24	2	388	400	1280	12-M20
14"	350	96	505	416	33	2	460	460	1410	16-M20
16"	400	100	565	466	35	2	520	515	1560	16-M24
18"	450	106	615	525	36	2	585	565	1730	20-M24
20"	500	110	670	584	37	2	635	620	1850	20-M24
24"	600	110	780	664	37	2	720	725	2125	20-M27
28"	700	110	895	1070	38	2	807	840	2480	24-M27
32"	800	110	1015	955	38	2	922	950	2860	24-M30
36"	900	110	1115	870	38	2	1030	1050	3090	24-M30
40"	1000	110	1230	760	38	2	1140	1160	3315	24-M27
≥DN1000 Detailed technology department										