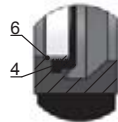
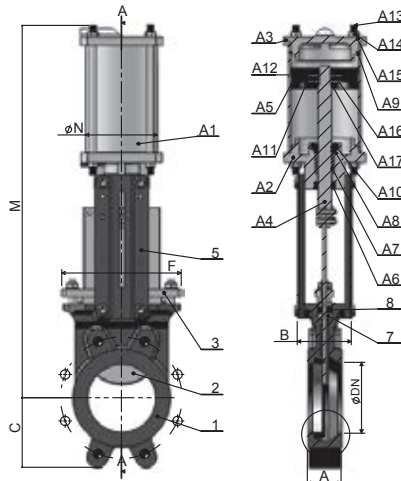


# KNIFE GATE VALVE

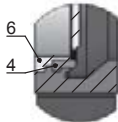
## Pneumatic double acting Type KG01W



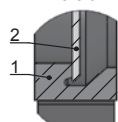
Pneumatic DA Operated (Flange PN10/ANSI class150)



Sift Seat Version



Reinforced Soft Metal Version



Seat Metal Metal Version



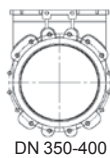
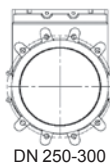
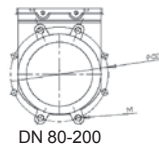
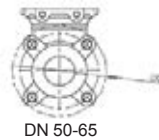
Bidirectional Seat Version

Body material temperature range	
Material	Temperature range
Cast iron	-15 to 250°C
Ductile iron	-30 to 350°C
Carbon steel	-29 to 425°C
Stainless steel	-196 to 600°C

Packing material temperature range	
Material	Temperature range
PTFE	0 to 180°C
Graphite	-10 to 650°C

Standard Flange Connection	
Sizes	Flange drilling
DN50-1200	EN 1092 PN 10 EN 1092 PN 16 ANSI B16.5 Class 150 ANSI B16.47 Class 150, serie A JIS B 2238 10K BS 10 Table D*

Standard Material Specifications			
POS	Name	CI Version	SS Version
1	Body	GG25	CF8M
2	Knife	SS304	SS316
3	Packing Gland	AL	CF8M
4	Seat	EPDM / Metal	EPDM / Metal
5	Support	STEEL	STEEL
6	Retainer	SS304	SS316
7	Packing	PTFE	PTFE
8	O-Ring	NBR	EPDM
A1	Body	AL ASTM 6063	
A2	Lower Flange	AL AS10G	
A3	Upper Flange	AL AS10G	
A4	Stem	AISI 410	
A5	Piston	NBR	
A6	Dust Cap	POLYURETHANE	
A7	Guidingring	BRONZE CuSn8P	
A8	Gasket	POLYURETHANE	
A9	Flange O Ring	NBR	
A10	Lock Nut	AISI 410	
A11	Plain Washer	STEEL	
A12	Washer	STEEL	
A13	Strut	CLASS 8.8	
A14	Nut	ZINC STEEL	
A15	Washer	ZINC STEEL	
A16	Self-Locking Nut	STEEL+NYLON	
A17	Piston O Ring	NBR	



Dimensions (mm)						
DN	A	B	C	F	M	N
50	40	92	63	125	400	96
65	40	92	70	140	442	96
80	50	92	92	155	483	96
100	50	92	105	175	546	115
125	50	102	120	190	630	138
150	60	102	130	220	692	138
200	60	119	160	275	869	175
250	70	119	198	325	1032	218
300	70	119	234	380	1182	218
350	96	290	256	440	1379	270
400	100	290	292	495	1535	270
450	106	290	308	550	1677	382
500	110	290	340	615	1839	382
600	110	290	400	715	2145	382
700	110	320	452	835	2545	350
800	110	320	505	975	2850	400
900	110	320	555	1040	3175	400
1000	110	320	610	1150	3400	400
1200	150	400	725	1255	3880	400

### Working pressure and temperature

Valve body is designed as per PN10.  
 Pressure for shell test: 1.5 times maximum allowable working pressure for open valve.  
 Pressure for seat tightness test: 1.1 times maximum allowable differential pressure for closed valve.

Standard working pressure table																			
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
P (bar)	10	10	10	10	10	10	10	8	6	4	4	3	3	3	2	2	2	2	2

Important note: working pressure can be adjusted according to client's request.

Seat material temperature range			
Material	Temperature range	Application	To avoid
EPDM	-20 to 120°C	drinking water, acides,	grease, mineral oils
NBR	-10 to 90°C	oils & petroleum, abrasive, sea water	Oxidizing agents
FPM/ITON	-10 to 180°C	chemicals, ozone, oils and fat	
PTFE	0 to 180°C	Chemicals, solvents	
Silicone	-20 to 200°C	High temperature, food	Moist media
Metal seat		Depending on body & packing material	