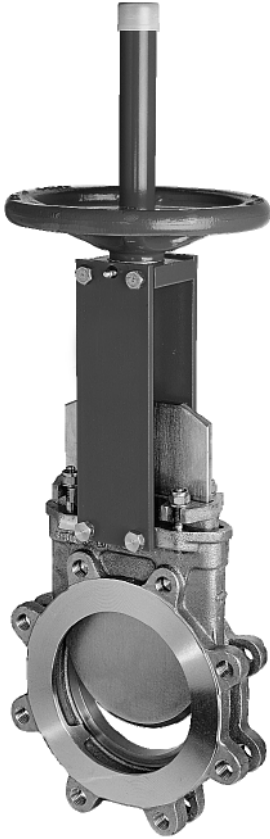


AFC-30

M O D E L

HEAVY DUTY KNIFE GATE VALVE



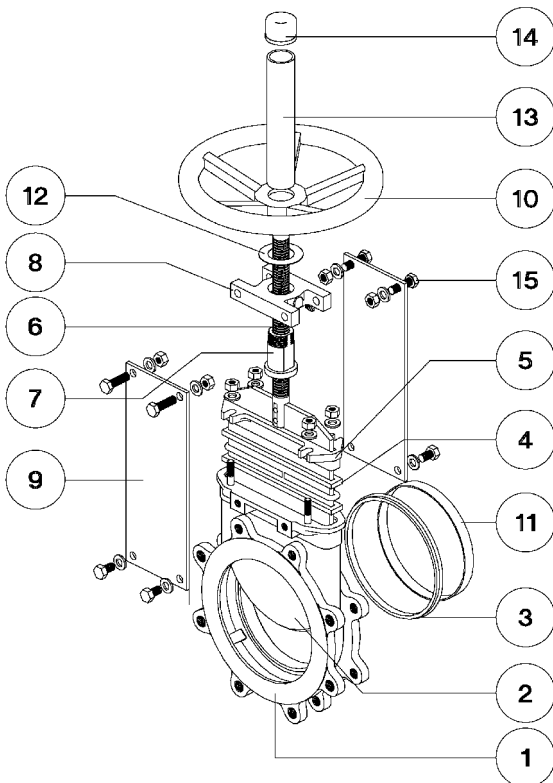
The AFC-30 model knife gate is a uni-directional lug type valve designed according to MSS-SP-81 and TAPPI TIS 405-8 for industrial service applications. The design of the body and seat assures non-clogging shutoff on suspended solids in industries such as:

- Pulp and Paper
- Chemical plants
- etc.
- Power plants
- Wastewater
- Mining
- Food and Beverage

Sizes: DN 50 to DN 600 (larger diameters on request)

Working pressure: DN 50 to DN 600: 10 (kg/cm²)

Standard flange connection: DIN PN 10 and ANSI B16.5 (class 150)



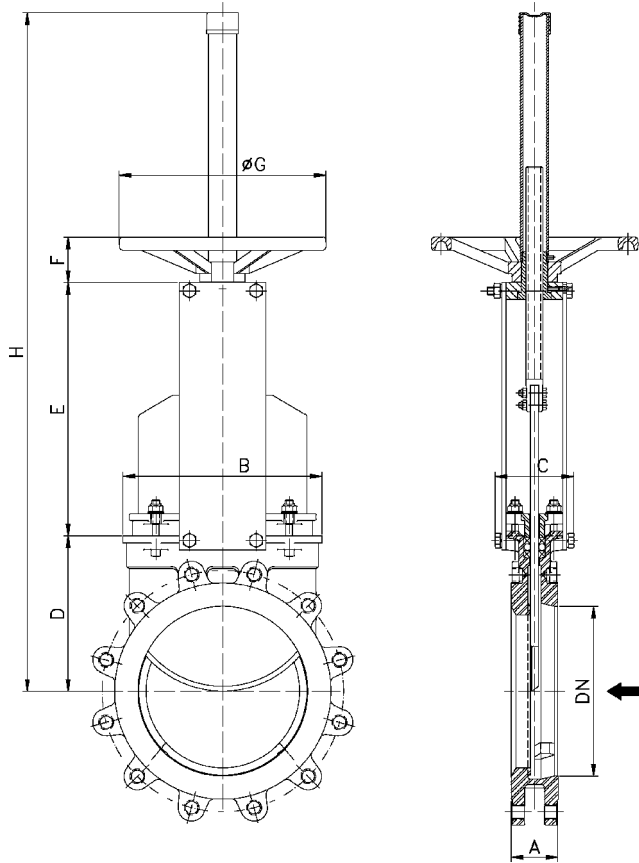
STANDARD PARTS LIST

Part:	Stainless Steel:
1- Body	CF8M
2- Gate	AISI 316
3- Seat	Metal or Resilient
4- Packing	NT
5- Gland Follower	CF8M
6- Stem	AISI 303
7- Stem Nut	Bronze
8- Yoke	Carbon Steel (DN 50 to DN 150) S.G. Iron (DN 200 to DN 1000)
9- Support Plates	Carbon Steel - Epoxy Coated
10- Handwheel	Steel (DN 50 to DN 300) S.G. Iron (DN 350 to DN 1000)
11- Seat Retainer Ring	AISI 316
12- Thrust Washer	Bronze
13- Stem Protector	Carbon Steel - Epoxy Coated
14- Cap	Plastic

AFC-30

M O D E L

HANDWHEEL (RISING STEM)



Standard handwheel actuator.

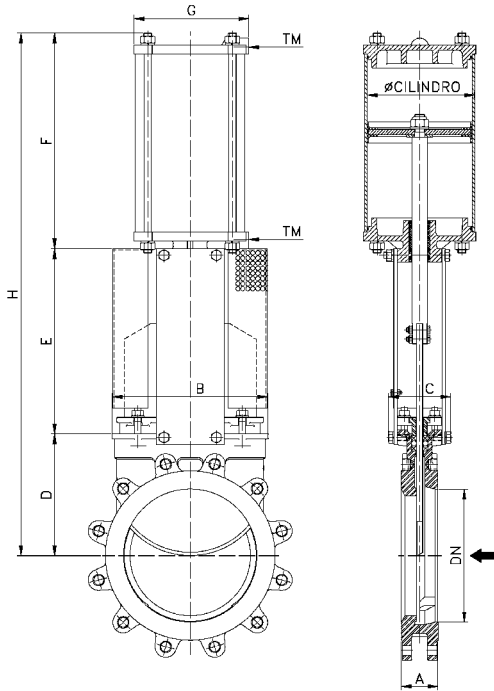
- Consists of:
 - Handwheel: Epoxy coated Cast Iron or Steel (DN 50 to DN 300)
 - Stem
 - Stem nut
 - Stem protector
 - Grease nipple
- Available in DN 50 to DN 600
- Options (on request):
 - Chainwheel
 - Non-rising stem
 - Locking Device
 - Extensions

DN ("/MM.)	A	B	C	D	E	F	ØG	H	WEIGHT (KG.)
2"/50	47,8	124	90	98	142	48	200	436	8
3"/80	50,8	149	90	119	168	48	200	476	10
4"/100	50,8	169	90	139	193	48	200	521	12,5
5"/125	57,2	169	104	150	217	52	250	607	16
6"/150	57,2	195	104	165	243	52	250	647	20
8"/200	69,8	247	118	203	318	63	300	828	32
10"/250	69,8	298	118	233	354	63	300	994	47
12"/300	76,2	349	118	273	396	63	410	1076	65
14"/350	76,2	393	193	312	465	68	410	1277	95
16"/400	89	441	193	347	512	68	410	1359	122
18"/450	89	483	197	382	552	68	550	1509	160
20"/500	114,2	542	197	431	611	68	550	1617	202
24"/600	114,2	637	197	501	697	68	550	1883	290

AFC-30

M O D E L

PNEUMATIC CYLINDER



- The standard pneumatic actuator (double acting on-off cylinder) consists of:
 - Aluminium jacket and covers
 - Stainless (AISI 304) piston rod
 - Nitrile coated steel piston
- Available in DN 50 to DN 600
- Supply Pressure: minimum 3.5 kg/cm² - maximum 7 kg/cm²
- For valves installed in a horizontal position, we recommend U-type support plates and/or actuator support.
- Options:
 - Hard anodised jacket and covers
 - Over / Under sized cylinder
 - Stainless jacket and covers
 - Manual override
 - Fail safe systems
 - Travel stops
- Instrumentation (on request):
 - Positioners
 - Solenoid valves
 - Flow regulators
 - Air preparation units

DN ("/MM.)	A	B	C	D	E	F	G	H	WEIGHT (KG.)	STANDARD CYL	CONNECT
2"/50	47,8	124	90	98	142	170	95	410	10	C80/62	1/4" G
3"/80	50,8	149	90	119	168	203	95	496	12	C80/95	1/4" G
4"/100	50,8	169	90	139	193	224,5	115	556,5	15	C100/115	1/4" G
5"/125	57,2	169	104	150	217	267	140	634	21	C125/143	1/4" G
6"/150	57,2	195	104	165	243	292	140	700	27	C125/168	1/4" G
8"/200	69,8	247	118	203	318	355	175	876	46	C160/220	1/4" G
10"/250	69,8	298	118	233	354	413	220	1000	70	C200/270	3/8" G
12"/300	76,2	349	118	273	396	463	220	1132	89	C200/320	3/8" G
14"/350	76,2	393	193	312	465	540,5	277	1317,5	135	C250/375	3/8" G
16"/400	89	441	193	347	512	590,5	277	1449,5	162	C250/425	3/8" G
18"/450	89	483	197	382	552	660,5	382	1594,5	212	C300/475	1/2" G
20"/500	114,2	542	197	431	611	710,5	382	1752,5	290	C300/525	1/2" G
24"/600	114,2	637	290	501	697	810,5	382	2008,5	375	C300/625	1/2" G