

..... Tacwell Series TK

uni-directional knife gate valve
 DN50(2")~DN1200(48"),
 PN10/16 ANSI CLASS150



..... 设计特性 DESIGN FEATURES

- ◆ One piece body, Resistance to distortion, rigidity.
Prevent leakage compared to half-bodies valve.
一体化阀体, 坚固防止变形, 避免半阀体型可能的泄漏;
- ◆ Pre-shaped parts, Rigid and light. Steel epoxy coated or stainless steel. Drilled for limit switches equipment, solenoid valve, security protection (CE)
预制支撑板, 坚固、轻便, 环氧涂漆保护钢板或不锈钢, 为安装设备预留安装孔; 限位开关、电磁阀、保护罩(CE)
- ◆ Sharp knife, Machined and polished.
刀型闸板精加工并抛光
- ◆ Position indicator, indication of knife position.
位置指示, 指示阀板的位置
- ◆ Gasket seat wrenching not possible, Molded rubber gasket and heel shaped.
对阀座无损坏, 成型的弹性橡胶密封
- ◆ Bolted packing gland, Adjustable on duty.
Options: 1. Pneumatic Actuator 2. Electrical 3. Manual
选项: 1. 气动执行器 2. 电动执行器 3. 手动

..... 标准规范 APPLICABLE STANDARDS

- ◆ 设计标准(Design): MSS SP81/TAPPI
- ◆ 结构长度(Face to face): According to standard TACWELL
- ◆ 连接标准(Connections): PN10/PN16; ANSI150

..... 应用范围 General Application

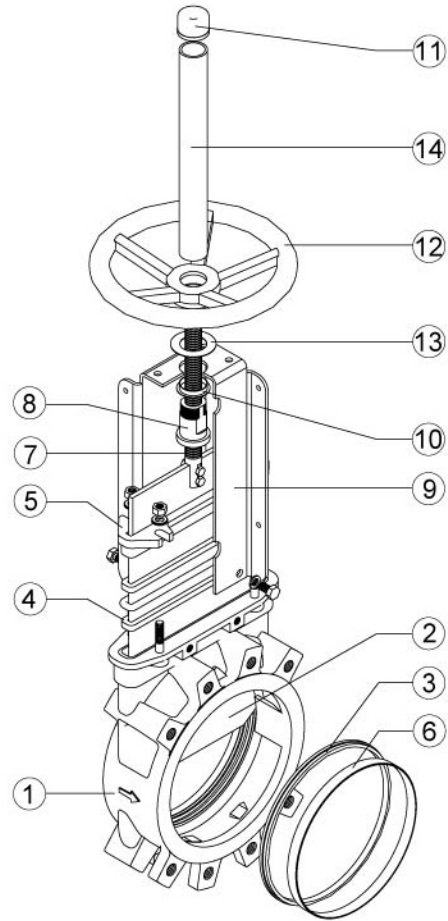
Uni-directional knife gate valve for pulp and paper, water treatment, power plants, food and beverage, mining, bulk handling...
 单向密封刀闸阀应用于水处理, 电厂, 食品和饮料, 采矿, 纸浆和散装物料输送....

..... 技术参数 Technical Data

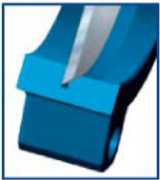
Ends	: Wafer
Size Range	: 2"~ 48" (DN50-DN1200)
Pressure Rating	: PN10/16; ANSI150
Max. working pressure:	10bar(DN50-DN250), 7bar(DN300-DN450), 4bar(DN500-DN600), 2bar(DN700-900), 1bar(DN1000-DN1200)
Body	: GG25/ GGG40/CF8/CF8M/CF3M
Disk	: 304SS/316SS/316L
Seat Working Temp.	: NBR -10℃ to +80℃ EPDM -20℃ to +120℃ VITON -10℃ to +180℃ PTFE -10℃ to +170℃
Metal Seat	: MAX. 500℃

Series TK - Knife gate valve

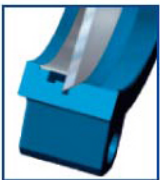
DN50-1200, PN10/16 ANSI CLASS150



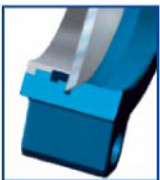
密封性能/TIGHTNESS



金属硬密封
Metal/metal
tightness



橡胶密封
Rubber gasket
tightness



阀座加强套
Reinforced seat
support ring

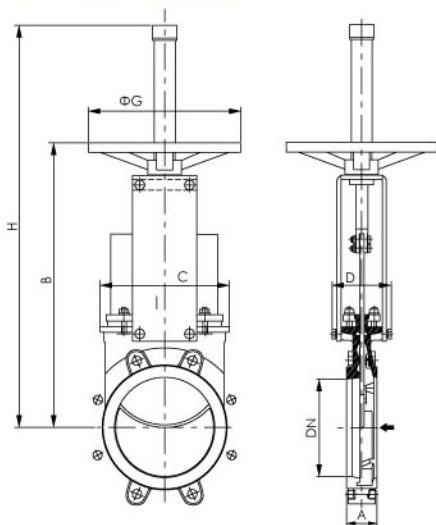
标准型/STANDARD PARTS LIST

PART	CAST IRON	STAINLESS STEEL
1-Body	GJL250(GG25)/GJL400(GGG40)	CF8M
2-Gate	AISI 304	AISI 316
3-Seat	Metal/Metal or EPDM(NBR、PTFE...)	
4-Packing	PTFE (With a EPDM o-ring_)	
5-Gland	Aluminium(ND 50 to DN 300)or Ductile Iron (DN 350 a DN 1000)	CF8M
6-"A"Ring	AISI 304	AISI 316
7-Stem	AISI 430	
8-Stem nut	Brass	
9-Yoke	Epoxy-coated Carbon Steel	
10-Collar	Nylon	
11-Friction washer	Brass	
12-Handwheel	Ø≤310: Ductile Iron / Ø≥410: GJL 250(GG25)	
13-Cap	Plastic	
14-Stem Protector	Epoxy-coated Carbon Steel	

Series TK - Knife gate valve

DN50-1200, PN10/16 ANSI CLASS150

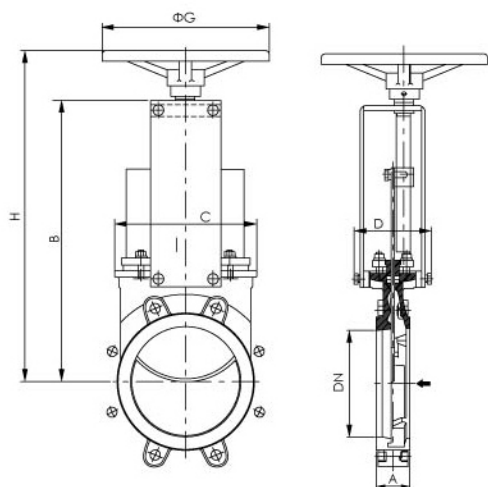
手轮/Handwheel



Series TKH

口径 DN	尺寸/Dimensions						重量*
	A	B	C	D	øG	H	weight
mm inch	mm	mm	mm	mm	mm	mm	kg
50 2"	40	283	124	83	200	348	7.5
65 2-1/2"	40	308	139	83	200	388	8.8
80 3"	50	333	154	83	200	413	9.4
100 4"	50	378	174	83	200	488	11.5
125 5"	50	423	189	93	250	564	15.4
150 6"	60	474	220	93	250	635	18.5
200 8"	60	593	275	108	310	809	34.8
250 10"	70	685	326	108	310	946	47.0
300 12"	70	792	380	108	310	1118	61.0
350 14"	96	900	438	290	500	1282	117.0
400 16"	100	978	494	290	500	1441	151.0
450 18"	106	1105	547	290	500	1587	187.0
500 20"	110	1215	613	290	500	1809	205.0
600 24"	110	1418	716	290	500	2060	292.0

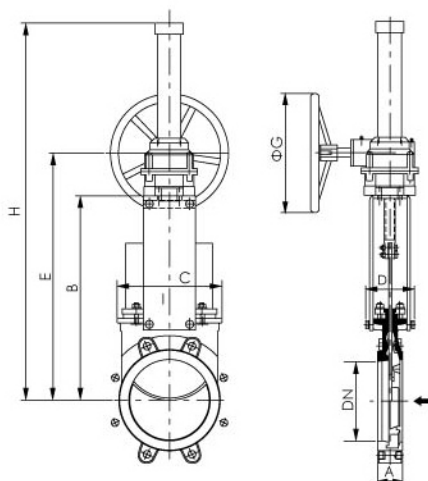
暗杆手轮/Handwheel non rising stem



Series TKN

口径 DN	尺寸/Dimensions						重量*
	A	B	C	D	øG	H	weight
mm inch	mm	mm	mm	mm	mm	mm	kg
50 2"	40	105	124	83	200	283	7.5
65 2-1/2"	40	115	139	83	200	308	8.8
80 3"	50	124	154	83	200	333	9.4
100 4"	50	140	174	83	200	378	11.5
125 5"	50	150	189	93	250	423	15.4
150 6"	60	175	220	93	250	474	18.5
200 8"	60	205	275	108	310	593	34.8
250 10"	70	250	326	108	310	685	47.0
300 12"	70	300	380	108	310	792	61.0
350 14"	96	339	438	290	500	900	117.0
400 16"	100	392	494	290	500	978	151.0
450 18"	106	434	547	290	500	1105	187.0
500 20"	110	487	613	290	500	1215	205.0
600 24"	110	592	716	290	500	1418	292.0

蜗动头/Gear box actuator

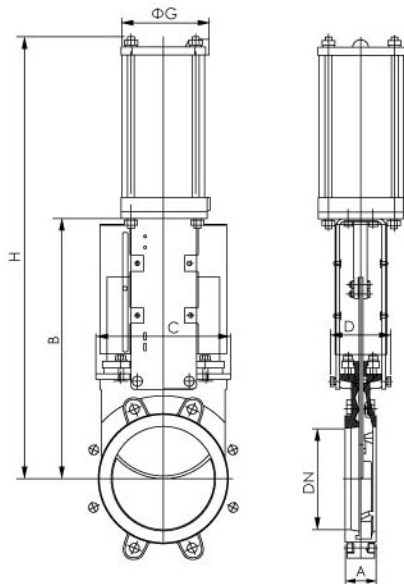


Series TKG

口径 DN	尺寸/Dimensions						重量*
	A	B	C	D	E	øG	weight
mm inch	mm	mm	mm	mm	mm	mm	kg
400 16"	100	945	494	290	1073	500	159
450 18"	106	1040	547	290	1168	500	198
500 20"	110	1150	613	290	1278	500	233
600 24"	110	1354	716	290	1482	800	277
700 28"	110	1540	835	400	1668	800	456
800 32"	110	1750	972	400	1878	800	612
900 36"	110	1990	1041	400	2118	800	657
1000 40"	110	2195	1152	450	2323	800	917
1200 48"	120	2390	1255	450	2518	960	1260

双作用气动头/Double acting pneumatic actuator

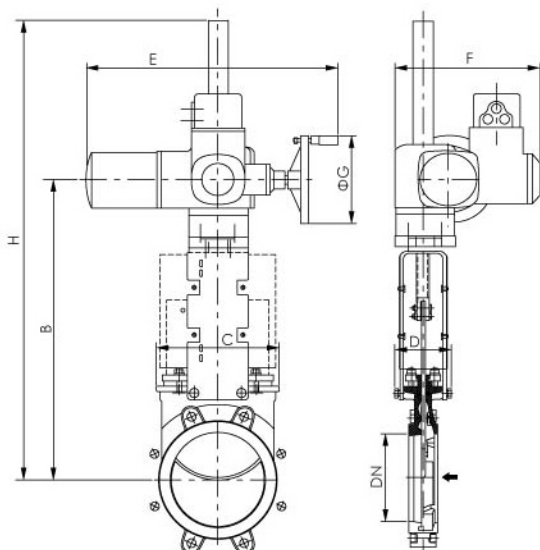
Series TKD/S



口径 DN		尺寸/Dimensions						Standard Cyl.	重量*
		A	B	C	D	G	H		weight
mm	inch	mm	mm	mm	mm	mm	mm		kg
50	2"	40	240	124	83	115	412	C80-1/4"	7.5
65	2-1/2"	40	265	139	83	115	458	C80-1/4"	7.8
80	3"	50	290	154	83	115	502	C80-1/4"	8.4
100	4"	50	335	174	83	115	562	C100-1/4"	12.5
125	5"	50	373	189	93	140	642	C125-1/4"	16.4
150	6"	60	424	220	93	140	718	C125-1/4"	20.5
200	8"	60	533	275	108	175	882	C160-1/4"	35.8
250	10"	70	625	326	108	220	1044	C200-1/4"	52.0
300	12"	70	732	380	108	220	1164	C200-1/4"	72.0
350	14"	96	835	438	290	277	1362	C250-3/8"	129.0
400	16"	100	945	494	290	277	1542	C250-3/8"	144.0
450	18"	106	1040	547	290	382	1677	C250-1/2"	177.0
500	20"	110	1150	613	290	382	1842	C300-1/2"	193.0
600	24"	110	1354	716	290	382	2147	C300-1/2"	277.0
700	28"	110	1540	835	400	444	2542	C350-1/2"	410.0
800	32"	110	1750	972	400	444	2852	C400-1/2"	562.0
900	36"	110	1990	1041	400	444	3174	C400-1/2"	701.0
1000	40"	110	2195	1152	450	515	3400	C400-1/2"	980.0
1200	48"	120	2390	1255	450	515	3880	C400-1/2"	1450.0

电动执行器/Electric actuator

Series TKE/M



口径 DN		尺寸/Dimensions								ISO	重量*
		A	B	C	D	E	F	øG	H		weight
mm	inch	mm	mm	mm	mm	mm	mm	mm	mm		kg
50	2"	40	463	124	83	265	237	160	578	F10/(F07)	20*(27**)
65	2-1/2"	40	488	139	83	256	237	160	603	F10/(F07)	20*(29**)
80	3"	50	513	154	83	265	237	160	628	F10/(F07)	20*(30**)
100	4"	50	558	174	83	265	237	160	673	F10/(F07)	20*(31**)
125	5"	50	596	189	93	265	237	160	711	F10/(F07)	21*(37**)
150	6"	60	647	220	93	256	237	160	762	F10/(F07)	21*(41**)
200	8"	60	766	275	108	256	237	160	881	F10/(F07)	21*(57**)
250	10"	70	858	326	108	256	237	160	973	F10/(F07)	25*(75**)
300	12"	70	987	380	108	282	247	200	1082	F10	26*(87**)
350	14"	96	1090	438	290	282	247	200	1185	F10	26*(138**)
400	16"	100	1200	494	290	282	247	200	1295	F10	26*(168**)
450	18"	106	1382.5	547	290	384	285	315	1430	F14	52*(234**)
500	20"	110	1492.5	613	290	384	285	315	1540	F14	52*(269**)
600	24"	110	1696.5	716	290	384	285	315	1744	F14	52*(313**)

*电动执行器的重量/Electric actuator weight

**阀门+执行器的重量/Weight of valve with actuator

····· Tacwell Series TS

Through conduit Knife gate valve
 DN50(2")~DN600(24"),
 PN10/16 ANSI CLASS150



····· 设计特性 DESIGN FEATURES

- ◆ The double seat design assures a non-clogging shut off on either normal or reverse flow.
双阀座设计，确保正向或反向流动完全密封无堵塞。
- ◆ Pre-shaped parts, Rigid and light. Steel epoxy coated or stainless steel. Drilled for limit switches equipment, solenoid valve, security protection (CE)
预制支撑板，坚固、轻便，环氧涂漆保护钢板或不锈钢，为安装设备预留安装孔；限位开关、电磁阀、保护罩（CE）
- ◆ Sharp knife Machined and polished, One piece gate with o-port design.
刀型闸板精加工并抛光，O型孔设计的一片式闸板
- ◆ Position indicator, indication of knife position.
位置指示，指示闸板的位置
- ◆ Gasket seat wrenching not possible, Molded rubber gasket and heel shaped.
成形橡胶密封和定位对阀座无损坏；
- ◆ Bolted packing gland, Adjustable on duty.
填料压盖螺栓，可在工作时调整
- ◆ Options: 1. Pneumatic Actuator 2. Electrical 3. Manual
选项: 1. 气动执行器 2. 电动执行器 3. 手动

····· 标准规范 APPLICABLE STANDARDS

- ◆ 设计标准 (Design): MSS SP81/TAPPI
- ◆ 结构长度 (Face to face): According to standard TACWELL
- ◆ 连接标准 (Connections): PN10/PN16; ANSI150
- ◆ 测试标准 (Tests): NFE29311/DIN3230/ISO5208/API598

····· 应用范围 General Application

The TS series knife gate is a bi-directional wafer valve designed for media with high consistency. The valve is used in a wide range of demanding applications in industries such as: Pulp & Paper, Wastewater Treatment Plant, Power Plants, Chemical plants etc.

TS系列双向密封对夹式刀闸阀设计用于高浓度介质；该阀广泛应用于苛刻工况行业：制浆造纸、污水处理厂、电厂、化工厂等。

····· 技术参数 Technical Data

Ends	: Wafer
Size Range	: 2"~ 48" (DN50-DN600)
Pressure Rating	: PN10/16; ANSI150
Max. working pressure:	10bar (DN50-DN250), 6bar (DN300-DN400), 3.5bar (DN500-DN600),
Body	: GG25/ GGG40/CF8/CF8M/CF3M
Disk	: 304SS/316SS/316L
Seat Working Temp.	: NBR -10°C to +80°C EPDM -20°C to +120°C VITON -10°C to +180°C PTFE -10°C to +170°C
METAL SEAT	: MAX. 500°C