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TROUGH CONDUIT KNIFE GATE VALVE WITH DOUBLE ACTING PNEUMATIC ACTUATOR

VGT 6400-03



Tecofi'
VALVE DESIGNER - FRANCE

APPLICATION

General use : This gate is particularly adapted in paper mill, in the exit of pulp, for the recovery of the old paper where the product is mixed with numerous impurities (ex: staples).

GENERAL CHARACTERISTICS

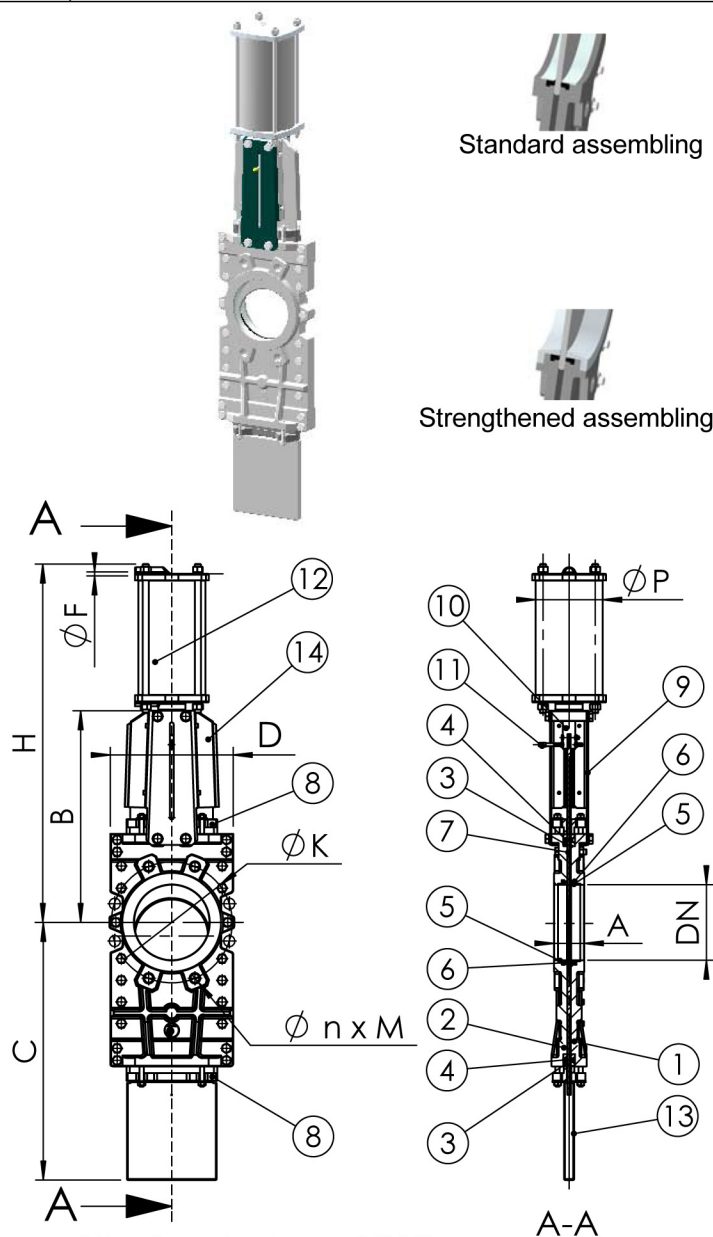
- Range : from DN 50 to DN 700.
- Bidirectional gate, with two seat gaskets.
- Longer body in two parts assembled by bolts.
- The gate is longer and its lower part rests out of the body, which requires a second system of gland packing.
- The gate contains a hole, which assures:
 - in opened position, a complete passage of the fluid without retention zone.
 - in closed position, the complete obturation.
- No retention zone: interesting in load or unloading of chemical device (dryer, reactor...).
- Valve tightness even in difficult conditions. No accumulation of product in the bottom of gate evacuation gorge.

CONSTRUCTION

14	2	Lateral hood	Stainless steel	
13	1	Down hood	Stainless steel	
12	1	Pneumatic actuator	Aluminium	
11	1	Position indicator	Stainless steel 304	
10	1	Stem actuator	Stainless steel	
9*	2	Support plate	Steel + epoxy	
8	2	Packing gland	Aluminium	
7	1	Knife gate	Stainless steel X5CrNiMo 17-12-2	DIN : X5CrNiMo18 10 ASTM : A 182 AISI 316 BS : 970 316 s16
6	2	Gasket	EPDM	
5	2	Support ring	Stainless steel 316	DIN : X5CrNiMo18 10 ASTM : A 182 AISI 316 BS : 970 316 s16
4	2	O-ring	EPDM	
3	4	Packing	Tallowed cotton	
2	1	Second body	Stainless steel GX5CrNiMo 19-11-2	DIN : G-X6CrNiMo18 10 ASTM : A 351 Grade CF8M BS : 1504 316 C16
1	1	Body	Stainless steel GX5CrNiMo 19-11-2	DIN : G-X6CrNiMo18 10 ASTM : A 351 Grade CF8M BS : 1504 316 C16
Pos.	Qty.	Description	Material	

DIMENSIONS

DN		A	B	C	D	Ø F	Ø P	H	Ø K	n x M	Weight (Kg)
mm	inch										
50	2"	40	246	244	150	1/4"	80	412	125	4 x M16	12
65	2 1/2"	40	264	291	168	1/4"	80	458	145	4 x M16	14.3
80	3"	50	295	333	184	1/4"	80	502	160	8 x M16	20.7
100	4"	50	335	383	205	1/4"	100	562	180	8 x M16	27.2
125	5"	50	375	443	220	1/4"	125	635	210	8 x M16	33.6
150	6"	60	423	512	240	1/4"	125	718	240	8 x M20	42.3
200	8"	60	528	652	295	1/4"	160	885	295	8 x M20	70.8
250	10"	70	627	781	355	1/4"	200	1042	350	12 x M20	133.9
300	12"	70	702	938	410	1/4"	200	1164	400	12 x M20	148.2
350	14"	96	835	1043	NC	3/8"	250	1362	460	16 x M20	200
400	16"	100	945	1168	NC	3/8"	250	1542	515	16 x M24	281
450	18"	106	1040	1296	NC	1/2"	250	1677	565	20 x M24	427
500	20"	110	1150	1454	NC	1/2"	300	1842	620	20 x M24	540
600	24"	110	1354	1706	NC	1/2"	300	2147	725	20 x M27	609
700	28"	110	1540	1981	NC	1/2"	350	2542	840	24 x M27	1054



* Pre-sharped parts up to DN 300.

WORKING CONDITIONS

Maximum working pressure :

DN 50-250	: 10 bar
DN 300-400	: 6 bar
DN 450-600	: 3.5 bar
DN 700	: 2,5 bar

Maxi temperature : +110 °C

STANDARDS

Manufacture according to the requirements of the European directive 2014/68/UE «Equipments under pressure» : modulate H.

Test procedures are established according to standard EN 12266-1, DIN 3230, BS 5154 and ISO 5208.

Raised face in accordance to standard EN 1092-1

Face to face according to standard TECOFI.

Wafer type ISO PN10 according to standard EN 1092-1.

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