

Ref. : VGT 6400-00.pas

Rev. : H

Date : 13/05/2014

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TROUGH CONDUIT KNIFE GATE VALVE WITH HANDWHEEL

VGT 6400-00



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

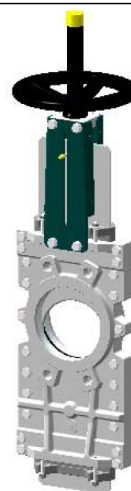
- Range : from DN 50 to DN 700.
- Bidirectional gate, with two seat gaskets.
- Longer body in two parts assembled by bolts.
- The gate is longer and its lower part rests out of the body, which requires a second system of gland packing.
- The gate contains a hole, which assures:
 - in opened position, 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

19	1	Nut	Bronze	
18	1	Friction washer	Bronze	
17	1	Stop screw	Stainless steel	
16	1	Cap	Plastic	
15	1	Protection tube	Steel	
14	1	Handwheel	Cast iron EN-GJL-250	DIN : GG25 ASTM : A48 class 40B BS : 1452 Grade 250
13	1	Greaser	Stainless steel	
12	1	Nut support	Zinc steel	
11	1	Position indicator	Stainless steel	
10	1	Stem	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	Tallow cotton	
2	1	Second body	Stainless steel GX5CrNiMo 19-11-2	DIN : G-X6CrNiMo18 10 ASTM : A351 Grade CF8M BS : 1504 316 C16
1	1	Body	Stainless steel GX5CrNiMo 19-11-2	DIN : G-X6CrNiMo18 10 ASTM : A351 Grade CF8M BS : 1504 316 C16
Pos.	Qty.	Description	Material	

DIMENSIONS

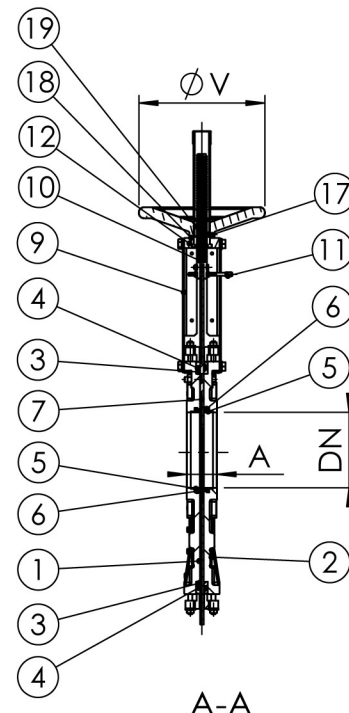
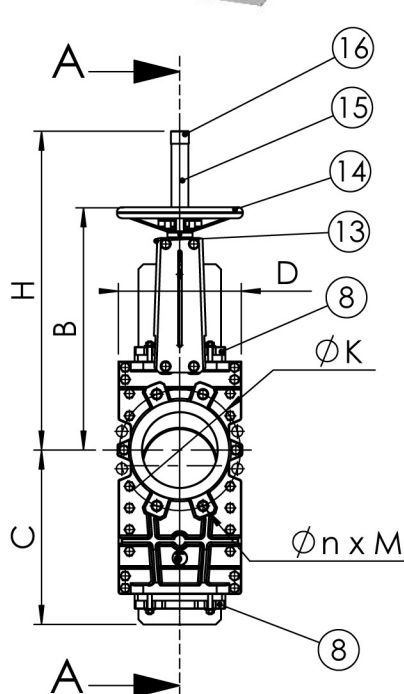
DN		A	B	C		D	Ø V	H	Ø K	n x M	Weight (Kg)
mm	inch			Mini.	Max.						
50	2"	40	283	162	221	150	200	348	125	4 x M16	15
65	2 1/2"	40	308	190	264	168	200	388	145	4 x M16	17.3
80	3"	50	333	216	297	184	200	413	160	8 x M16	21.7
100	4"	50	378	245	354	205	200	488	180	8 x M16	26.2
125	5"	50	423	289	430	220	250	564	210	8 x M16	31.6
150	6"	60	474	330	530	240	250	635	240	8 x M20	41.3
200	8"	60	593	410	641	295	310	809	295	8 x M20	68.8
250	10"	70	685	486	772	355	310	946	350	12 x M20	107.9
300	12"	70	792	582	882	410	310	1118	400	12 x M20	132.2
350	14"	96	900	654	1043	NC	500	1282	460	16 x M20	163
400	16"	100	978	731	1168	NC	500	1441	515	16 x M24	235
450	18"	106	1105	809	1296	NC	500	1587	565	20 x M24	368
500	20"	110	1215	916	1454	NC	500	1809	620	20 x M24	471
600	24"	110	1418	1066	1706	NC	500	2060	725	20 x M27	532
700	28"	110	1640	1236	1981	NC	800	2372	840	24 x M27	936



Standard assembling



Strengthened assembling



* 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

Maximum 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 standards 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.

TECOFI France - 83, Rue Marcel Mérieux 69960 Corbas - FRANCE
Tél. +33 (0) 4 72 79 05 79 - Fax +33 (0) 4 78 90 19 19 / +33 (0) 4 72 79 05 70
Adresses e-mail : sales@tecofi.fr ; tecofi@tecofi.fr / Site web : www.tecofi.fr