

Ref. : VG 6400CA-00.pas

Rev. : B

Date : 11/07/2012

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KNIFE GATE VALVE WITH HANDWHEEL

VG 6400CA-00



Tecofi'
VALVE DESIGNER - FRANCE

APPLICATION

General use : water, water treatment, waste water, chemical industry (powdery or crystallizing products), pulverized products, pneumatic transport.

GENERAL CHARACTERISTICS

Range : from DN 50 up to DN 300.

Function ON/OFF or regulation.

Wafer threaded mounting ISO PN10.

Unidirectional tightness, direction indication thanks to the arrow on the body.

Small retention zone: the gate is guided in the body and has little clearance.

Gland assembly: FPM Vitton® packing and O-ring (same material as seat joint) to assure the elasticity and decrease the operating torque. Small head loss.

Stainless steel (A2-70) bolts and nuts.

CONSTRUCTION

17	1	O-Ring	FPM Vitton®	
16	1	Support ring	Stainless steel 316	DIN : X5CrNiMo18 10 ASTM : A 182 AISI 316 BS : 316 S16
15	1	Gasket	FPM Vitton®	
14	1	Packing gland	Stainless steel	DIN : G-X6CrNiMo18 10 ASTM : A 351 grade CF8M BS : 316 C16
13	1	Handwheel	Cast iron EN-GJL-250	DIN : GG25 ASTM : A 48 class 40B BS : 1452 grade 250
12	1	Protection tube	Steel	
11	1	Cap	Plastic	
10	1	Greaser	Stainless steel	ASTM: AISI 304
9	1	Stop screw	Stainless steel	A2-70
8	1	Nut support	Bronze	
7	1	Friction washer	Bronze	
6	1	Nut support	Zinc steel	
5	2	Pre-shaped parts support plate	Stainless steel	ASTM: AISI 304
4	1	Stem	Stainless steel 13%Cr	ASTM: AISI 410
3	1	Gate	Stainless steel X5CrNiMo 17-12-2	DIN : X5CrNiMo18 10 ASTM : A 182 AISI 316 BS : 1449-2 316 S16
2	2	Packing	PTFE	
1	1	Body	Stainless steel GX5CrNiMo 19-11-2	DIN : G-X6CrNiMo18 10 ASTM : A 351 grade CF8M BS : 316 C16
Pos.	Qty.	Description	Material	

DIMENSIONS

DN		A	B	C	D	ØV	H	ØK	n	ØM	Weight (kg)
mm	inch										
50	2"	40	283	124	83	200	348	125	4	4-M16	7,5
65	2 1/2"	40	308	139	83	200	388	145	4	4-M16	8,8
80	3"	50	333	154	83	200	413	160	8	4-M16	9,4
100	4"	50	378	174	83	200	488	180	8	4-M16	11,5
125	5"	50	423	189	93	250	564	210	8	4-M16	15,4
150	6"	60	474	220	93	250	635	240	8	4-M20	18,5
200	8"	60	593	275	108	310	809	295	8	4-M20	34,8
250	10"	70	685	326	108	310	946	350	12	8-M20	47,0
300	12"	70	792	380	108	310	1118	400	12	8-M20	61,0

WORKING CONDITIONS

Maxi working pressure :DN 50-250 : 10 bar

DN 300 : 7 bar

Maxi working temperature : -20°C / +50°C

Peak temperature: -40°C / +80°C.

STANDARDS

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

On request : Product in accordance to european directive "Potentially explosive atmospheres" N° 94/9/EC:

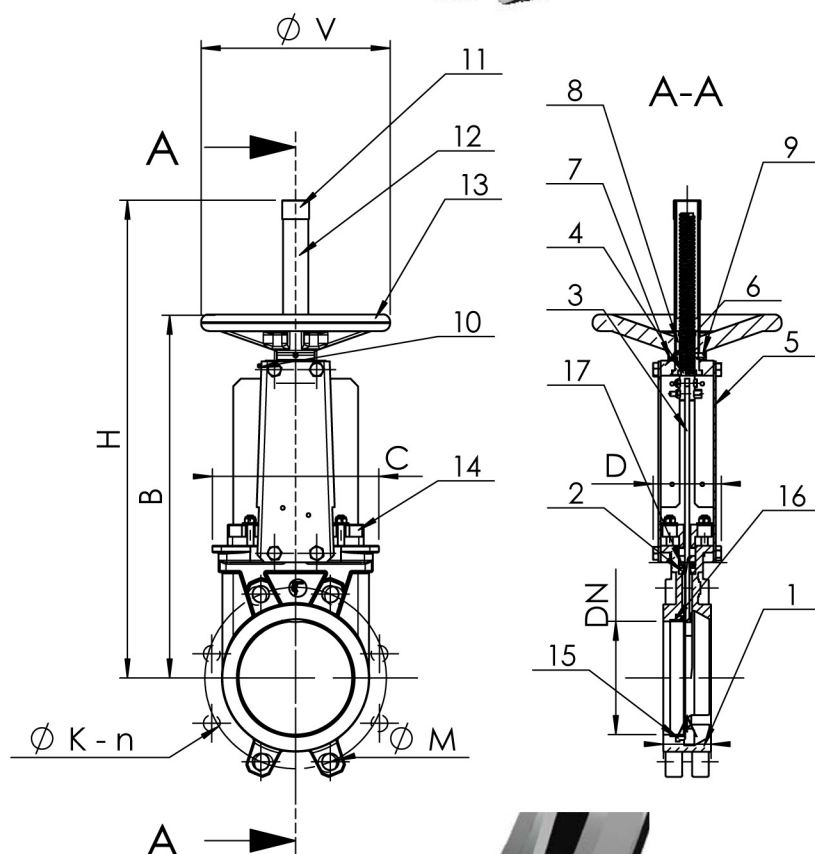
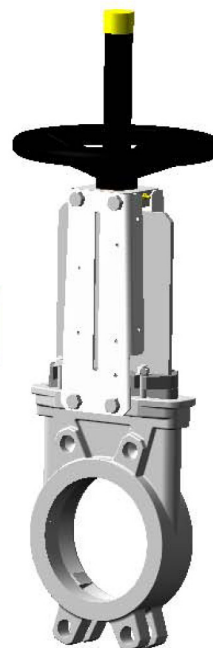
ATEX II 2 GD c and ATEX II 3 GD c.

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

Connections according to standard EN 1092-2 and

DIN 2501 : ISO PN10.

In accordance with the standard EN 14432.

EN 14 432

FPM tightness

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