

KNIFE GATE VALVE WITH DOUBLE ACTING PNEUMATIC ACTUATOR

VG 6400CA-03



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 force. Small head loss.
Stainless steel (A2-70) bolts and nuts.

CONSTRUCTION

11	2	Protection plate	Stainless steel 304	DIN : X5CrNi 18-10 ASTM : AISI 304 BS : 304 S15
10	1	O-ring	FPM Vitton®	
9	1	Support ring	Stainless steel 316	DIN : X5CrNiMo18 10 ASTM : A 182 AIS 3 16 BS : 316 S16
8	1	Gas ket	FPM Vitton®	
7	1	Packing gland	Stainless steel	DIN : G-X6CrNiMo18 10 ASTM : A 351 Grade CF8M BS : 316 C16
6	1	Pneumatic actuator	Aluminium	
5	2	Support plate	Stainless steel	ASTM : AISI 304
4	1	Stem	Stainless steel 13%Cr	ASTM : AISI 410
3	1	Knife gate	Stainless steel X5CrNiMo 17-12-2	DIN : X5CrNiMo18 10 ASTM : A 182 AIS 3 16 BS : 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	Ø F	Ø P	H	Ø K	n	Ø M	Weight (kg)
mm	inch											
50	2"	40	240	124	83	¼"	80	412	125	4	4-M16	7,5
65	2 1/2"	40	265	139	83	¼"	80	458	145	4	4-M16	7,8
80	3"	50	290	154	83	¼"	80	502	160	8	4-M16	8,4
100	4"	50	335	174	83	¼"	100	562	180	8	4-M16	12,5
125	5"	50	373	189	93	¼"	125	642	210	8	4-M16	16,4
150	6"	60	424	220	93	¼"	125	718	240	8	4-M20	20,5
200	8"	60	533	275	108	¼"	160	882	295	8	4-M20	35,8
250	10"	70	625	326	108	¼"	200	1044	350	12	8-M20	52,0
300	12"	70	732	380	108	¼"	200	1164	400	12	8-M20	72,0

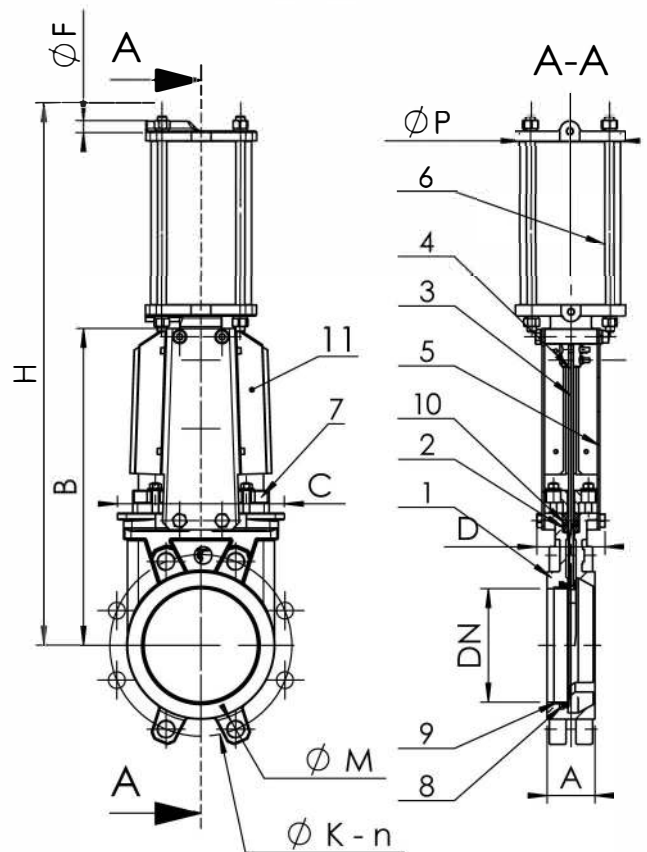
WORKING CONDITIONS

Maximum working pressure : DN 50-250 : 10 bar
DN 300 : 7 bar
Maximum 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 1092-1 and DIN 2501 : ISO PN10.
In accordance with standard EN 14432.

EN 14 432



FPM tightness



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**Conformity declaration according to European Standard EN 14432:
Tank equipment for the transport of liquid chemicals – Product discharge and
air inlet valves.**

The undersigned manufacturer:

TECOFI SAS

83, Rue Marcel Mérieux – ZA du pôle Agroalimentaire
69960 Corbas - FRANCE

Declare **that products "TECOFI Knife gate valve"**, defined according to several types below:

- VG6400CA-00
- VG6400CA-02
- VG6400CA-03

Are in accordance with "Tank equipment for the transport of liquid chemicals – Product discharge and air inlet valves" European Standard EN 14432 of November 2014.

Characteristics:

REFERENCE	Range	PN	Body	Seat	Actuator	Ends type
VG6400CA-00	DN 50-300	PN10	Stainless Steel GX5CrNiMo 19- 11-2 (1.4408)	FPM	Handwheel	Between PN10 flanges type
VG6400CA-02					Lever	
VG6400CA-03					Double acting pneumatic actuator	

Working conditions:

DN	PS Nominal pressure	TS Working temperature
50-250	10 bar	-20°C / +50°C Peak -40°C / +80°C
300	7 bar	

Used standards:

- EN 14432 (11-2014) / EN 12266-1 (2012)

Reference to other European Directive:

According with the European directive "Pressure equipment" N° 97/23/EC as equipment of category I, II and III according to the module H and appendix III prescriptions.



CORBAS on February 3rd, 2015.

Jérôme ORTEGA
Quality Department