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BUTTERFLY VALVE WITH GEAR BOX

VPN 3442-08

**Tecofi'**
VALVE DESIGNER - FRANCE

APPLICATION

General use : water, sea water...
"Non suitable for steam application"

CARACTERISTIQUES GENERALES

Design according with BS EN 593.
Type with lugs, tightness in both ways.
Sleeve in dovetail shape ensures a perfect assembling
(for high vacuum we can stick it).
High and low semi stem giving a high flow coefficient,
machined disc on periphery giving a low and regular torque.
Unejectable stem, dovetail type sleeve, mounting flange
according to ISO 5211.

CONSTRUCTION

12	1	Gear box		
11	1	Nameplate	Stainless steel 304	
10	2	Circlip	Steel	
9	1	Bottom cover	NBR	
8	2	O ring	EPDM	
7	1	Antidust ring	NBR	
6	1	Anti blowout ring	Stainless steel 420	DIN : 1.4021 ASTM : AISI 420 BS : 420 S 37
5	1	Upper stem	Stainless steel 420	DIN : 1.4021 ASTM : AISI 420 BS : 420 S 37
4	1	Lower stem	Stainless steel 420	DIN : 1.4021 ASTM : AISI 420 BS : 420 S 37
3	1	Sleeve	EPDM CH	In standard
2	1	Disc	Cu Al10 Ni5 Fe4	
1	1	Body	EN-GJL-250	DIN : GG25 ASTM : A48 class 40B BS : 1452 Grade 250
Pos.	Q-ty	Description	Material	

DIMENSIONS

DN		A	B	C	G	X	V	Weight (kg)
mm	inch							
40**	1 1/2	134	58	34	64	131,5	120	4,67
50	2"	139,7	65	41,8	64	131,5	120	5,27
65	2 1/2	152,4	73	45,3	64	131,5	120	5,67
80	3"	158,8	85	45,3	64	131,5	120	6,23
100	4"	178	100	51,5	64	131,5	120	7,05
125	5"	190,5	115	54,5	64	131,5	120	9,25
150	6"	203	120	54,5	64	131,5	120	10,15
200	8"	238	160	59,6	64	206	200	16
250	10"	268,3	195	68	64	206	200	22,9
300	12"	306,4	230	78	64	206	200	32,72

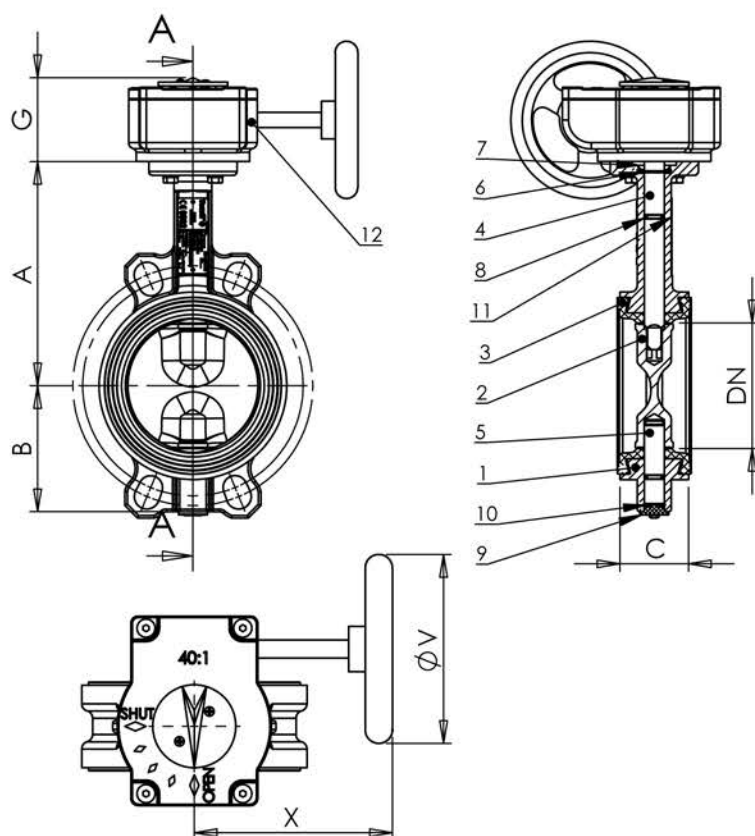
** Can be installed between DN32 flanges

WORKING CONDITIONS

Maximum working pressure : 16 bar.

Maximum working temperature : -15°C / +130°C.
Peak temperature: -30°C / +150°C

Sleeve types in option	Maximum temperature	Peak temperature
EPDM	+4°C / +110°C	-20°C / +130°C
White EPDM	+4°C / +110°C	-20°C / +130°C
CSM (Type Hypalon®)	+4°C / +80°C	-20°C / +110°C
FPM (Type Viton®)	-10°C / +170°C	-20°C / +200°C
Silicone	-20°C / +170°C	-40°C / +200°C
Nitril (NBR)	-10°C / +80°C	-20°C / +90°C



STANDARDS

Manufacture according to the requirements of the European directive 2014/68/UE «Equipment under pressure»: modulate H. Face to face according to standards NF EN 558-1 serie 20, ISO 5272 série 20, DIN 3202.

Mounting between flanges PN 10 / PN 16: according to EN 1092-2, BS 450, ANSI B16.1-5.

Adjustable between flanges ASME B16.5 Class 150 and JIS 10K.

Pressure test according to standards EN 12266-1, DIN 3230, BS 6755 and ISO 5208 :

Corps: 24 bar

Siège: 17.6 bar

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