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BUTTERFLY VALVE WITH SINGLE ACTING PNEUMATIC ACTUATOR

VPN 3449-07



Tecofi
VALVE DESIGNER - FRANCE

APPLICATION

General use : water, sea water, air, acids etc...
"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
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

13		SA pneumatic actuator		
12	1	Spacer	Aluminium	
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	GX5CrNiMo19-11-2	DIN: G-X6CrNiMo18 10 ASTM: A 351 Grade CF8M BS: 1504 316 C16
1	1	Body	EN-GJL-250	DIN : GG25 ASTM : A48 class 40B BS : 1452 Grade 250
Pos.	Q-ty	Description	Material	

DIMENSIONS

DN	Ref.	A	B	C	X	V	W	Weight (kg)
mm	inch							
40**	1 1/2	SR63	134	58	34	133	164	80,5
50	2"	SR63	139,7	65	41,8	133	164	80,5
65	2 1/2	SR63	152,4	73	45,3	133	164	80,5
80	3"	SR75	158,8	85	45,3	151	210	94,5
100	4"	SR100	178	100	51,5	173,8	275	123
125	5"	SR115	190,5	115	54,5	209,4	333	137
150	6"	SR115	203	120	54,5	209,4	333	137
200	8"	SR140	238	160	59,6	249	435	164
250	10"	SR160	268,3	195	68	273	500	186
300	12"	SR200	306,4	230	78	378	578,5	217

ΔP maxi = 16 bar and air supply pression 5 bar

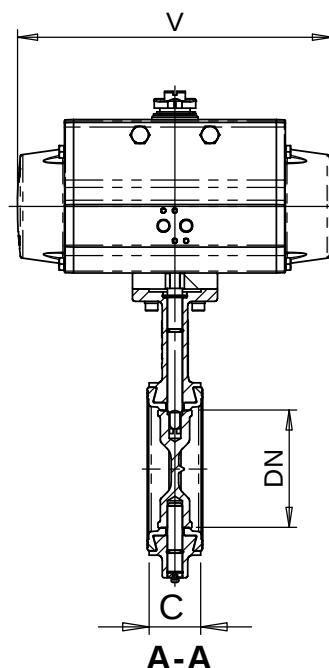
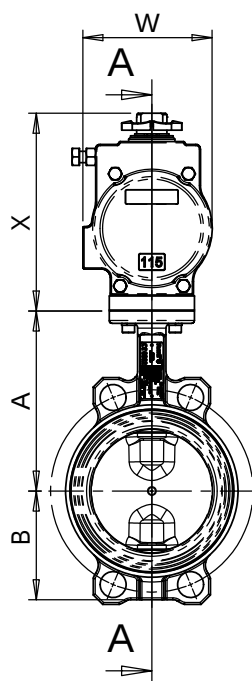
** Can be installed between DN32 flanges

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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