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BUTTERFLY VALVE WITH ELECTRIC ACTUATOR

VPN 3442-EZX4



APPLICATION

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

CARACTERISTIQUES GENERALES

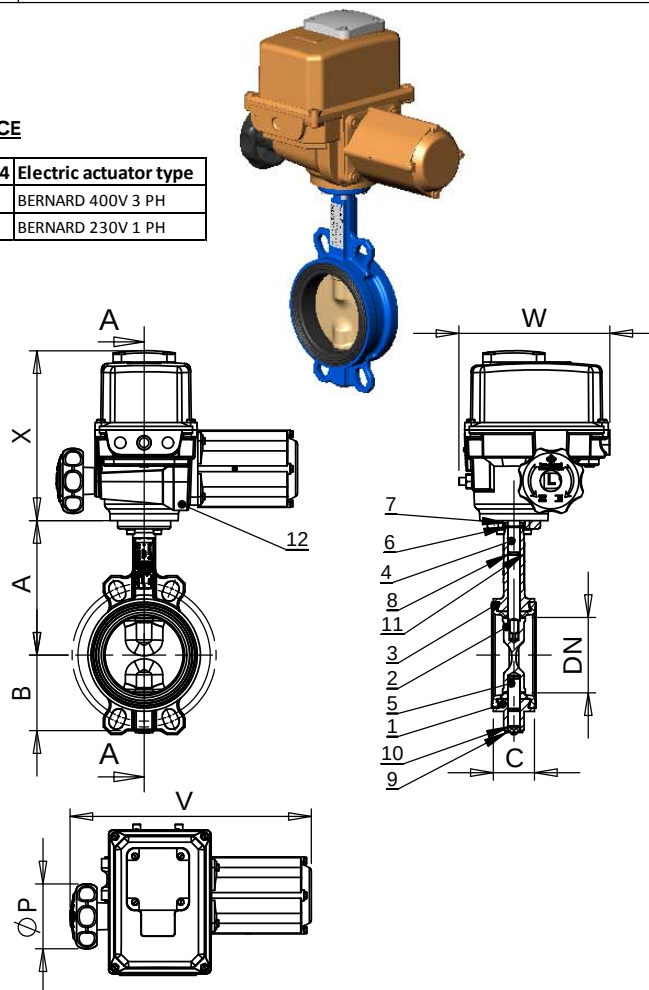
Design according with BS EN 593.
Type with lugs, tightness in both ways.
Sleeve in dovetail shape ensures a perfect assembling (for high vacuum we can stick it).
High and low semi stem giving a high flow coefficient, machined disc on periphery giving a low and regular torque.
Unejectable stem, dovetail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

CONSTRUCTION

12	1	Electric actuator	BERNARD	
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	

PRODUCT REFERENCE

VPN 3442-EZX4	Electric actuator type
VPN 3442-EZ04	BERNARD 400V 3 PH
VPN 3442-EZ24	BERNARD 230V 1 PH



DIMENSIONS

DN		Weight (valve + actuator) (kg)		
mm	inch	A	B	C
40**	1 1/2	134,0	58	34,0
50	2"	139,7	65	41,8
65	2 1/2	152,4	73	45,3
80	3"	158,8	85	45,3
100	4"	178,0	100	51,5
125	5"	190,5	115	54,5
150	6"	203,0	120	54,5
200	8"	238,0	160	59,6
250	10"	268,3	195	68,0
300	12"	306,4	230	78,0

** 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
EPDM Blanc	+ 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

ACTUATOR DIMENSIONS

DN	Product reference	Actuator reference	ØP	V	W	X
DN40-100	VPN3442-EZ24	EZ4	230V 1PH 50Hz	90	273	200
	VPN3442-EZ04	EZ6	400V 3PH 50Hz	90	319	200
DN125-150	VPN3442-EZ24	EZ10	230V 1PH 50Hz	90	319	200
	VPN3442-EZ04	EZ10	400V 3PH 50Hz	90	319	200
DN200	VPN3442-EZ24	EZ15	230V 1PH 50Hz	90	362	200
	VPN3442-EZ04	EZ15	400V 3PH 50Hz	90	362	200
DN250	VPN3442-EZ24	EZ25	230V 1PH 50Hz	160	459	313
	VPN3442-EZ04	EZ25	400V 3PH 50Hz	160	459	313
DN300	VPN3442-EZ24	EZ60	230V 1PH 50Hz	250	528	313
	VPN3442-EZ04	EZ60	400V 3PH 50Hz	250	528	313

Maximum differential pressure: 16 bar

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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