

Ref. : VP 3648-BX4.pas

Rev. : A

Date : 04/02/2015

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THREADED LUGS BUTTERFLY VALVE WITH ELECTRIC ACTUATOR

VP3648-BX4



Tecofi'
VALVE DESIGNER - FRANCE

APPLICATION

General use : Water, air, acids etc.

REFERENCE	ACTUATOR TYPE
VP 3648-B14	BERNARD 230V 3 PH

GENERAL CHARACTERISTICS

Design in accordance with NF EN 593.
TECFLY LUG: type with threaded lugs allowing screw assembling.
Tightness in both ways.
Two kinds of sleeves:
- Body in dovetail shape ensures a perfect assembling (for high vacuum we can stick it)
- Internally reinforced aluminium sleeve giving a lower torque
Stem: high and low semi stem giving a high flow coefficient.
Machined disc with on periphery giving a low and regular torque.
Stem unjectable, bearing: stainless steel teflon lined.
Dovetail type sleeve, mounting flange according to ISO 5211.

CONSTRUCTION

Pos.	Qty.	Description	Material
12	4	Screw	Stainless steel
11	4	Washer	Stainless steel
10	1	Electric actuator	Aluminium
9	2	Split pin	Stainless steel
8	1	Gasket	NBR
7	2	O-Ring	NBR
6	2	Guiding bearing	Teflon-lined
5	1	Upper stem	Stainless steel 416 DIN : 1.4005 ASTM : AISI 416 BS : 416 S 21
4	1	Lower stem	Stainless steel 416 DIN : 1.4005 ASTM : AISI 416 BS : 416 S 21
3	1	Sleeve	Heat EPDM Standard
2	1	Disc	EN-GJS-400-15 DIN : GGG 40 ASTM : A 536 65-45-12 BS : EN-JS1030
1	1	Body	Cast iron EN-GJL-250 DIN : GG25 ASTM : A48 class 40B BS : 1452 Grade 250

DIMENSIONS

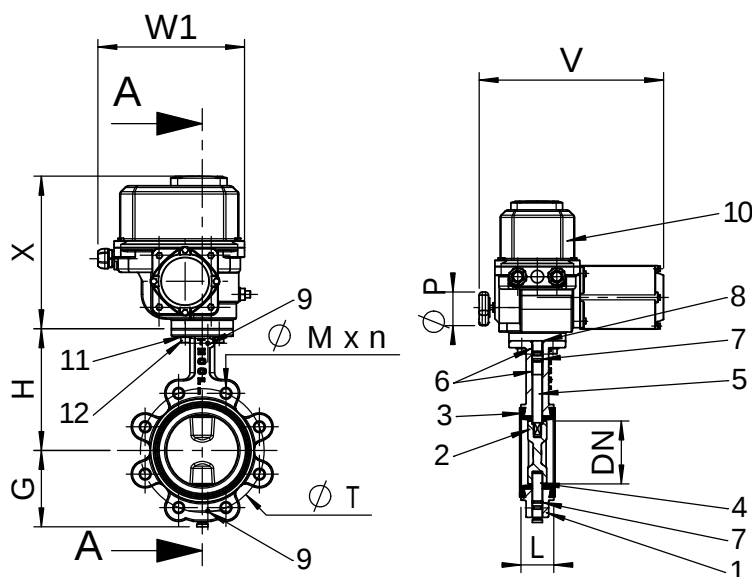
DN	G	H	L	Type	Weight (kg)
mm inch					
40 - 1" 1/2	66	134	33	F07	8.2
50 - 2"	72	140	43	F07	8.8
65 - 2" 1/2	78	153	46	F07	9.8
80 - 3"	89	159	46	F07	10.8
100 - 4"	102	178	52	F07	12.3
125 - 5"	117	190	56	F07	16.6
150 - 6"	130	203	56	F07	18.9
200 - 8"	159	238	60	F10	34.6
250 - 10"	190	268	68	F10	47.7
300 - 12"	222	306	78	F10	60.0

*Valve + actuator weight.

WORKING CONDITIONS

Maximum working pressure : 16 bar.
Maximum temperature : -15°C / +130°C.
Peak temperature : -30°C / +150°C.

Tightness in option	Maximum temperature	Peak temperature
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
Nitrile (NBR)	-10°C / +80°C	-20°C / +90°C



ACTUATOR DIMENSIONS

DN	Actuator reference	ØP	V	W	X
DN40-100	OA6 230V 3PH 50Hz	90	319	200	225
DN125	OA8 230V 3PH 50Hz	90	319	200	225
DN150	OA15 230V 3PH 50Hz	90	362	200	225
DN200	AS18 230V 3PH 50Hz	160	479	313	180
DN250- 300	AS50 230V 3PH 50Hz	250	528	313	180

For using at maximum differential pressure 10 bar

STANDARDS

Manufacture according to the requirements of the European directive 2014/68/UE «Equipments under pressure» : modulate H.
Pressure test according to standards
EN 12266-1, DIN 3230, BS 6755 and ISO 5208 :
Body : 24 bar.
Seat : 17,6 bar.

Face to face according to standard NF EN 558-1 serie 20, ISO 5752 serie 20, DIN 3202.

Mounting between flanges PN10 / PN16 up to DN150 and PN10 for upper diameters: according to EN 1092-2, BS450, ANSI B16.1-5.
Adjustable between flanges PN16 and ASA 150 on request.

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