

Ref. : VP 3649-N03.pas

Rev. : C

Date : 23/07/2014

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THREADED LUGS BUTTERFLY VALVE WITH DOUBLE ACTING PNEUMATIC ACTUATOR

VP 3649-N03



Tecofi'
VALVE DESIGNER - FRANCE

APPLICATION

General use : Water, air, acids etc.

GENERAL CHARACTERISTICS

Design in accordance with NF EN 593.
TECFLY LUG: type with threaded lugs allowing screw assembling.
Tightness in both ways.
Sleeve body in dovetail shape ensures a perfect assembling (for high vacuum we can stick it)
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

13	1	Spacer	Aluminium	
12	4	Screw	Stainless steel	
11	4	Washer	Stainless steel	
10	1	Double acting pneumatic actuator	Anodized 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	GX5CrNiMo19-11-2	DIN : G-X6CrNiMo18-10 ASTM : A 351 Grade CF8M BS : 1452 Grade 250
1	1	Body	Cast iron EN-GJL-250	DIN : GG25 ASTM : A48 class 40B BS : 1452 Grade 250
Pos.	Qty.	Description	Material	

DIMENSIONS

DN	REF *	H	H1	G	L	Ø T	n	Ø M	V	W1	X	TYPE	Weight (kg)
40 - 1" 1/2	TDA052	258,0	133	66	33	110	4	M 16	146	67,5	92	F07	3,5
50 - 2"	TDA052	265,0	140	71	43	125	4	M 16	146	67,5	92	F07	4,7
65 - 2" 1/2	TDA063	278,0	153	78	46	145	4	M 16	169	80,5	108	F07	6,3
80 - 3"	TDA063	284,0	159	89	46	160	8	M 16	169	80,5	108	F07	7,3
100 - 4"	TDA075	315	178	102	52	180	8	M 16	186	92,0	120	F07	9,7
125 - 5"	TDA083	336,0	190	117	56	210	8	M 16	210	97,0	129	F07	12,5
150 - 6"	TDA092	357,0	203	130	56	240	8	M 20	264	103,0	137	F07	16,6
200 - 8"	TDA105	413,0	238	159	60	295	8	M 20	272	116,0	153	F10	24,7
250 - 10"	TDA125	457,0	268	190	68	350	12	M 20	302	134,5	185	F10	40,2
300 - 12"	TDA140	513	306	222	78	400	12	M 20	398	142,0	202	F10	56,5

* Data sheet is according to ΔP 10 bar maxi for air pressure of 6 bar.
(For ΔP 16 bar please contact us)

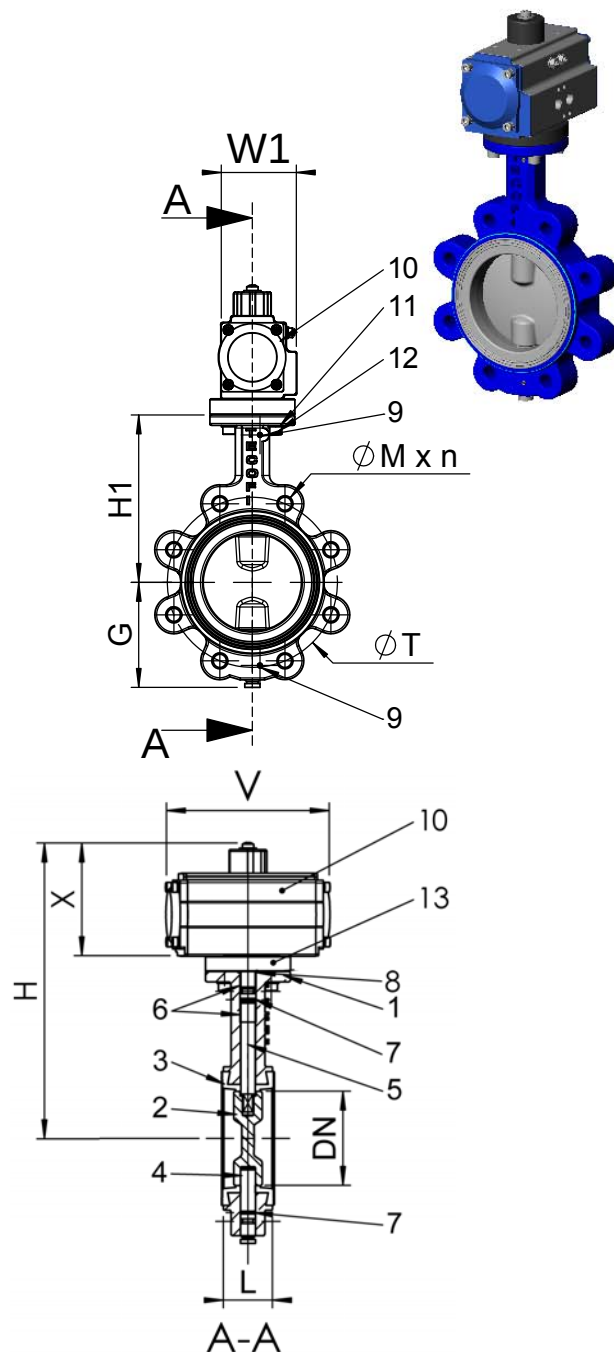
WORKING CONDITIONS

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



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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