

Ref. : VP 3649-08.pas

Rev. : K

Date : 20/10/2015

Page : 1/1

THREADED LUGS BUTTERFLY VALVE WITH GEARBOX

VP 3649-08



Tecofi'
VALVE DESIGNER - FRANCE

APPLICATION

General use : Water, air, acids etc.
"Non suitable for steam application"

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

12	4	Screw	Stainless steel	
11	4	Washer	Stainless steel	
10	1	Gear box	Cast iron	
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 316	DIN: X5CrNiMo 18 10 ASTM : AISI 316 BS : 316 S16
4	1	Lower stem	Stainless steel 316	DIN: X5CrNiMo 18 10 ASTM : AISI 316 BS : 316 S16
3	1	Sleeve	Heat EPDM	Standard
2	1	Disc	GX5CrNiMo19-11-2	DIN: G-X6CrNiMo18 10 ASTM: A351 Grade CF8M BS: 1504 316 C16
1	1	Body	Cast iron EN-GJL-250	DIN : GG25 ASTM : A48 class 40B BS : 1452 Grade 250
Pos.	Qty.	Description	Material	

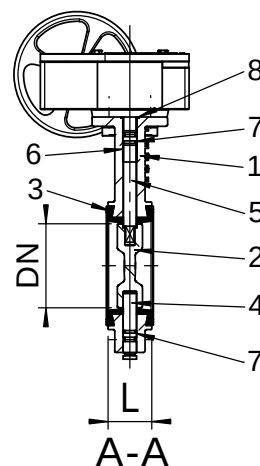
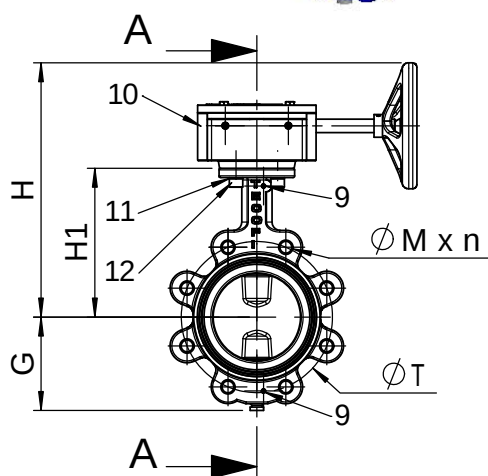
DIMENSIONS

DN	ISO PN	H	H1	L	Ø T	n	Ø M	V	P	G	TYPE	Weight (kg)
DN 40 - 1" 1/2	10 / 16	248	133	33	110	4	M 16	148	150	66	F07	8
DN 50 - 2"	10 / 16	255	140	43	125	4	M 16	148	150	71	F07	8.9
DN 65 - 2" 1/2	10 / 16	268	153	46	145	4	M 16	148	150	78	F07	9.9
DN 80 - 3"	10 / 16	274	159	46	160	8	M 16	148	150	89	F07	10.9
DN 100 - 4"	10 / 16	293	178	52	180	8	M 16	148	150	102	F07	12.3
DN 125 - 5"	10 / 16	305	190	56	210	8	M 16	148	300	117	F07	14.6
DN 150 - 6"	10 / 16	318	203	56	240	8	M 20	148	300	130	F07	16.9
DN 200 - 8"	10	430	238	60	295	8	M 20	238	300	159	F10	29.9
DN 250 - 10"	10	460	268	68	350	12	M 20	238	300	190	F10	43.6
DN 300 - 12"	10	495	306	78	400	12	M 20	226	300	222	F10	56

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.

TECOFI France - 83, Rue Marcel Mérieux 69960 Corbas - FRANCE
Tél. +33 (0) 4 72 79 05 79 - Fax +33 (0) 4 78 90 19 19 / +33 (0) 4 72 79 05 70
Adresses e-mail : sales@tecofi.fr ; tecofi@tecofi.fr / Site web : www.tecofi.fr