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BUTTERFLY VALVE FIG 245 DN 600 - DN 1000

Applications and features

Dedicated to water supply and general utilities into industries.

- Body material ductile iron GGG40 fully powder Epoxy coated.
- Tapped holes at both shaft passages and on both sides, in accordance with ISO connection standard.
- Operating position vertical and horizontal.
- Spline driven shaft connected to spherically machined disc allows high torque transmission i.e. quick response and minimum back-lash.
- Secondary upper and lower sealing.
- Safe maintenance : shaft blow out protection.
- fig 245 valves are guaranteed to seal perfectly in either direction, in accordance with ISO 5208 cat-3 standard (other standards on request).
- Gear box equipped with two travel stop adjustments.

Technical features

ISO TOP FLANGE : According to ISO 5211 and NF E 29-402 standards.

FACE TO FACE : According to : NF EN 558-1 class 20 and ISO 5752 class 20

PRESSURE RATING :

Type	Mounting between flanges	Mounting deadline
Double flanged	16 bar	6 bar

TEMPERATURE RATING :

Type	Design temperature		Working temperature	
	MINI	MAXI	MINI	MAXI
EPDM	-20° C	+120° C	+8° C	+110° C
White EPDM	-20° C	+ 85° C	+8° C	+ 80° C
NITRILE	-10° C	+ 90° C	+5° C	+ 85° C
White NITRILE	- 5° C	+ 75° C	+5° C	+ 60° C
HYPALON	-25° C	+ 95° C	+5° C	+ 90° C
SILICONE	-40° C	+240° C	-25° C	+200° C
Fluored ELASTOMER	-10° C	+200° C	+5° C	+180° C

FLANGE RATING :

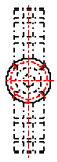
	Double flanged
GN 10/16	●
GN 20 **(1)**	●
GN 25/40	❍
ASA 150 **(1)**	●
BS 4504 PN 10/16	●

(1) DN 600 only

❍ On request ● Standard model

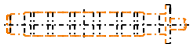
* **Design temperature** : maximum temperature at severe conditions (eg. testing with hot dry air).
For specific conditions please contact us.

Installation



Recommanded

Possible



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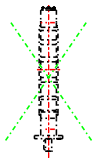

Not recommanded

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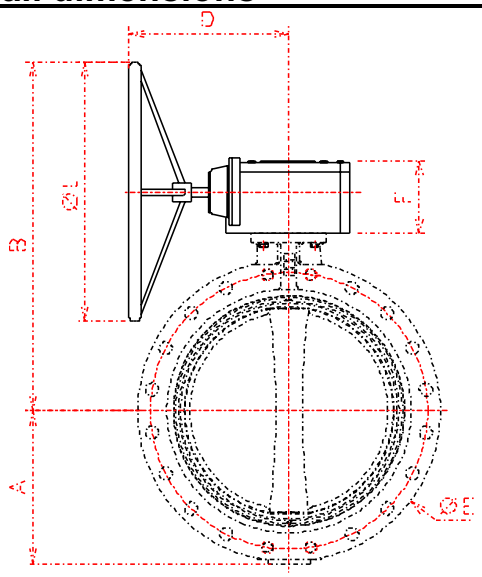
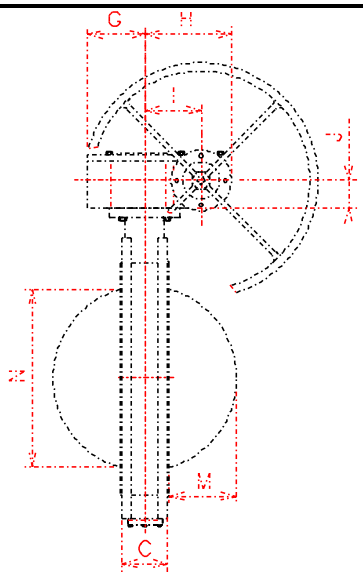
BUTTERFLY VALVE FIG 245

Overall dimensions





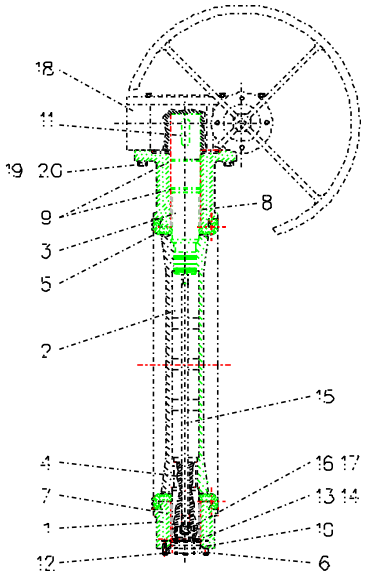
DN	INCH	ISO TOP	A	B	C	D	ØE	G	H	I	J	L(*)	M	N	Type	WEIGHT (1)
600	24"	F16	438	887	154	460	840	110	200	138	92	600	214	562		286
700	28"	F25	503	912	165	414	960	110	200	138	92	500	255	655		376
800	32"		568	1040	190	506	1085	120	264	157	110	600	292	751		544
900	36"	F30	655	1110	203	530	1185	120	279	157	110	600	331	841		813
1000	40"		702	1160	216	530	1320	120	279	157	110	600	375	941		945

(1) Ductile iron EN GJS-400-15 body , Ductile iron EN GJS-400-15 disc , EPDM liner. (*) According to NFE 22-175 standards

Material specification

Item	Qty.	Description	Materials
1	1	Body	Ductile iron EN GJS-400-15
2	1	Disc	(1)
3	1	Upper shaft	AISI 420/AISI 630
4	1	Lower shaft	AISI 420/AISI 630
5	1	Liner	See temperature table
6	1	Bottom	Steel
7	1	Lower guide bush	Zinc coated steel + PTFE
8	1	Upper guide bush	Zinc coated steel + PTFE
9 / 10	3	O'Ring	Nitrile/ Viton
11	1	Key	Steel
12	3	Bottom screw	Stainless steel
13	1	Thrust washer	Zinc coated steel + PTFE
14	-	Setting shim	Carbon steel
15	1	Tie rod	Zinc coated steel
16	1	Stop nut	Zinc coated steel
17	1	Flat washer	Zinc coated steel
18	1	Gear box	Cast iron
19	4	Screw	Zinc coated Steel
20	4	Stop washer	Zinc coated Steel

(1) Ductile iron EN GJS-400-15 , SS 316, Alu of bronze



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BUTTERFLY VALVE DOUBLE FLANGED FIG 245 DN 200 - DN 350

Technical features

Dedicated to industrial process applications.

- Multiple combinations.
- Operating position vertical and horizontal.
- Robustness - Reliability.
- Secondary upper and lower sealing.
- Safe maintenance : shaft blow out protection with circkip.
- Ease of maintenance : Interchangeable disc and shaft.
- Grand choix de motorisations.

Technical features

ISO TOP FLANGE :: According to ISO 5211 and NF E 29-402. standards

FACE TO FACE : According to :NF EN 558-1 class 20 ISO 5752 class 20 BS 5155 table6 col.4 (except DN350)
DIN 3202 part3 K1 API 609 table1

PRESSURE RATING: In accordance with the Directive 97/23/

TEMPERATURE : According to the type of liner

TYPE	Design temperature		Working temperature	
	MINI	MAXI	MINI	MAXI
EPDM Chaleur	-20° C	+120° C	-15° C	+110° C
White EPDM	-20° C	+ 85° C	+8° C	+ 80° C
High content NITRILE	-10° C	+ 90° C	+5° C	+ 85° C
White NITRILE	- 5° C	+ 75° C	+5° C	+ 60° C
Carboxylated NITRILE	-10° C	+115° C	+5° C	+110° C
HYPALON	-25° C	+ 95° C	+5° C	+ 90° C
SILICONE	-40° C	+240° C	-25° C	+200° C
Fluored ELASTOMER	-10° C	+200° C	+5° C	+180° C
BUTHYL	-20° C	+ 85°C	+5° C	+ 85° C
Natural RUBBER	-30° C	+ 45° C	+5° C	+45° C

* Design temperature maximum temperature at severe conditions (eg. : Testing with hot dry air)
For specific conditions : please contact us.

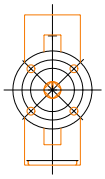
FLANGE RATING:

GN 10/16	●
GN 20 (1)	●
GN 25/40 (1)	❍
ASA 150 (1)	●
BS 4504 PN 10/16 (1)	●

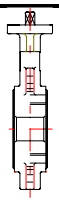
❍ On request
● Standard model

(1) = except DN 350

Installation



Recommended



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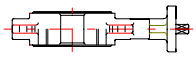

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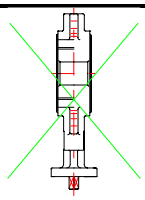

Non recommended