

F612 / F627 / F626B

Semi-Lugged Gearbox Operated Butterfly Valves

PN16



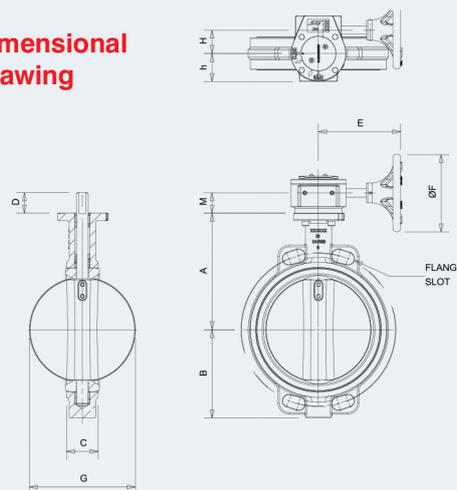
Features & Benefits

- Robust, ductile iron valve body for long life service
- The anti-blow out stem design provides a safe and secure operation
- Valve body semi-lugged to fit PN16 or ANSI Class 125 flanges
- Fully bonded epoxy paint system for superior corrosion resistance
- Suitable for applications where Level 3 C3 (Medium) corrosion protection is required
- Maintenance free valve design, reducing downtime
- Sizes 50-300mm are suitable for use with flanges conforming to BS EN 1092-2 PN10 or PN16 and ANSI B16.1 Class 125.
- Sizes 350-600mm are for PN16 flanges only

Materials

PART	MATERIAL
Body	Ductile Iron ASTM A536 64-45-12 (Epoxy Paint)
Disc	Aluminium Bronze C954 ASTM B148
Liner (F612)	Nitrile Temp. -10 to 90°C
Liner (F627/F626B)	EPDM (High Temperature) Temp. -10 to 130°C
Shaft	Stainless Steel Type 410
Taper Pin	Stainless Steel Type 410
O-Ring	Buna-N
Bushing	PTFE
Gearbox	Cast Iron

Dimensional Drawing



Pressure/Temperature Ratings

	F612	F627/F626B
MAX TEMPERATURE (°C)	-10 to 90	-10 to 130
PRESSURE (BAR)	16	15.7

Intermediate pressure ratings shall be determined by interpolation.

Dimensions & Weights

SIZE (mm)	WEIGHT (kg)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	h (mm)	M (mm)	Kv	FLANGE SLOTS TO SUIT
	BARESHAF VALVE	GEARBOX OPERATED												
50	2.1	7.1	109	72	43	32	157	150	52.9	45	54	39	98	DN50 PN16 / 2" CL125
65	3.0	7.9	131.5	82	46	32	157	150	64.6	45	54	39	167	DN65 PN16 / 2.1/2" CL125
80	3.2	8.2	134	95	46	32	157	150	79	45	54	39	258	DN80 PN16 / 3" CL125
100	4.2	9.1	163	115	52	32	157	150	104.4	45	54	39	512	DN100 PN16 / 4" CL125
125	6.0	10.9	169	125	56	32	157	150	123.5	45	54	39	872	DN125 PN16 / 5" CL125
150	7.8	12.7	179	142	56	40	157	150	155.8	45	54	39	1,347	DN150 PN16 / 6" CL125
200	12.7	19.6	224	170	60	40	238	300	202.7	45	54	39	2,675	DN200 PN16 / 8" CL125
250	28.4	38.8	264	215	68	40	238	300	250.7	63	81	41.5	4,555	DN250 PN16 / 8" CL125
300	41.0	54.0	299	240	78	40	223.5	300	301.9	78	81	38.3	7,037	DN300 PN16 / 12" CL125
350	34.2	56.2	368	264	78	-	223.5	300	334	78	81	46.5	6,003	DN350 PN16 / 14"
400	62.4	88.4	400	305	86	-	277	450	390	78	81	39	8,885	DN400 PN16 / 16"
450	80.2	110.0	422	317	105	-	325	450	441	185	160	120	10,419	DN450 PN16 / 18"
500	120.5	160.5	479	352	130	-	325	450	492	185	160	120	13,613	DN500 PN16 / 20"
600	210	260.0	562	444	154	-	340	450	597	185	160	126	17,801	DN600 PN16 / 24"

*Kv coefficient denotes valves in fully open position

PRESSURE RATING: PN16 / ANSI CLASS 125

TEST PRESSURES:

Shell: 24 Bar Seat: 17.6 Bar

SPECIFICATION: Gearbox operated epoxy coated Ductile Iron Body. Semi-lugged. Aluminium Bronze disc. EPDM or Nitrile liner. To suit flange connections BS EN 1092-2 PN10 or PN16 and ANSI B16.1 Class 125. Valves may be used for flow regulation. Valve design conforms to BS EN 593. Face to face conforms to BS EN 558. Bareshaft option available, F626B 50-600mm.

MEDIUM:

F612 - Suitable for Group 1 and 2 gases and Group 1 and 2 liquids as defined by the Pressure Equipment Directive 2014/68/EU.*

F627/F626B - Suitable for Group 2 liquids as defined by the Pressure Equipment Directive 2014/68/EU.*

*see Quality Assurance page for more information

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