

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

Dimensions & Weights

SIZE (mm)	WEIGHT		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 T VALVE (kg)	GEARBOX OPERATED (kg)												
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	150	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

*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 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 50-300mm.

MEDIUM:

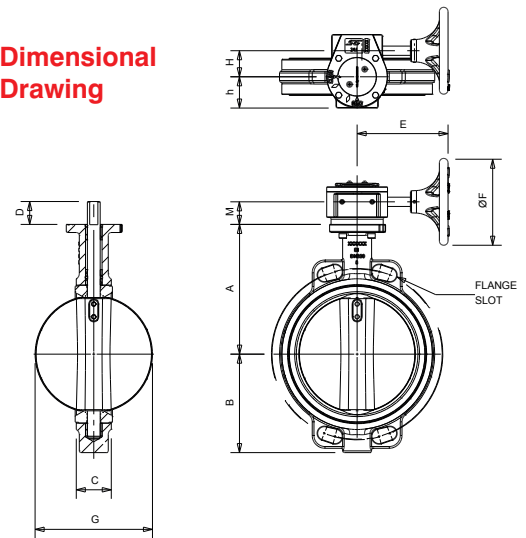
F612 - Suitable for Group 1 and 2 gases and Group 1 and 2 liquids as defined by the Pressure Equipment Directive 2014/68/EU.*

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

* See page xxx for more information



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. WRAS approved -10 to 80 °C