

F622

Semi-Lugged Gearbox Operated Butterfly Valves



F622



PN16

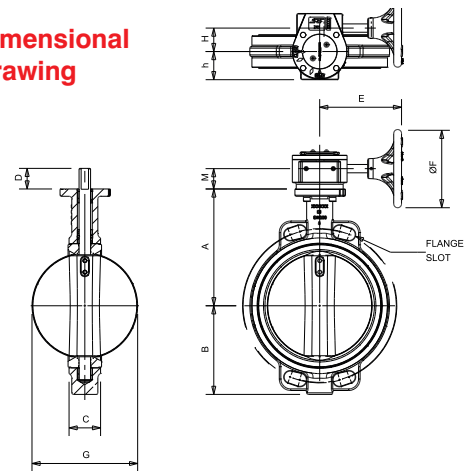
Features & Benefits

- WRAS Approved for potable water applications -10°C to 80°C
- 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
- Suitable for use with flanges conforming to BS EN 1092-2 PN10 or PN16 and ANSI B16.1 Class 125
- Suitable for a wide temperature range -10°C to 100°C

Materials

PART	MATERIAL
Body	Ductile Iron ASTM A536 64-45-12 (Epoxy Paint)
Disc	Aluminium Bronze C954 ASTM B148
Liner	EPDM (WRAS approved) Temp. -10 to 100°C (80°C WRAS)
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

	F622
MAX TEMPERATURE (°C)	-10 to 100
PRESSURE (BAR)	16

Intermediate pressure ratings shall be determined by interpolation. WRAS approved -10 to 80°C

Dimensions & Weights

SIZE (mm)	GEARBOX OPERATED												FLANGE SLOTS TO SUIT
	WEIGHT (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	h (mm)	M (mm)	Kv	
50	7.1	109	72	43	32	157	150	52.9	45	54	39	98	DN50 PN16 / 2" CL125
65	7.9	131.5	82	46	32	157	150	64.6	45	54	39	167	DN65 PN16 / 2.1/2" CL125
80	8.2	134	95	46	32	157	150	79	45	54	39	258	DN80 PN16 / 3" CL125
100	9.1	163	115	52	32	157	150	104.4	45	54	39	512	DN100 PN16 / 4" CL125
125	10.9	169	125	56	32	157	150	123.5	45	54	39	872	DN125 PN16 / 5" CL125
150	12.7	179	142	56	40	157	150	155.8	45	54	39	1,347	DN150 PN16 / 6" CL125
200	19.6	224	170	60	40	238	150	202.7	45	54	39	2,675	DN200 PN16 / 8" CL125
250	38.8	264	215	68	40	238	300	250.7	63	81	41.5	4,555	DN250 PN16 / 8" CL125
300	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 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.

MEDIUM:

Suitable for Group 2 liquids as defined by the Pressure Equipment Directive 2014/68/EU* WRAS approved valves.

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