

## F612 / F622 / F627 PN16

**WRAS**  
APPROVED  
PRODUCT  
F622  
Sizes 50-300mm

### Semi-Lugged Gearbox Operated Butterfly Valves to BS EN 593: 2009

#### Features & Benefits

- Aluminium Bronze disc
- Stainless steel shaft
- Gearbox operated
- Valves 50-300mm are suitable for use with flanges conforming to BS EN 1092-2 PN10 or PN16 and ANSI B16.1 Class 125
- Sizes 350mm to 600mm are only PN16 flanges

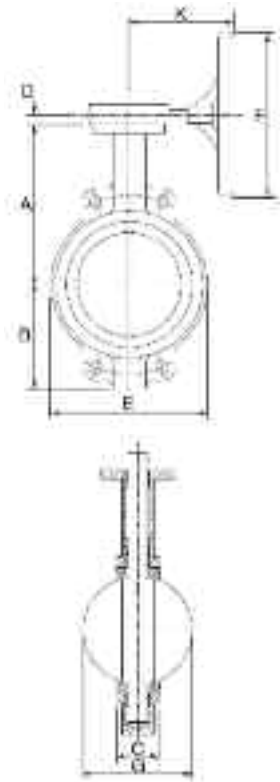
#### Materials

PART	MATERIAL
Body	Ductile Iron ASTM A536 (Epoxy Paint)
Disc	Aluminium Bronze
Liner (F612)	Nitrile Temp. -10 to 90°C
Liner (F622)	EPDM (WRAS approved) Temp. -10 to 100°C
Liner (F627)	EPDM (High Temperature) Temp. -10 to 130°C
Shaft	Stainless Steel Type 410
Taper Pin	Stainless Steel Type 316
Key	Carbon Steel
O-Ring	Buna-N
Bushing	PTFE



F612

#### Dimensional Drawing



#### Dimensions & Weights

SIZE (mm)	WEIGHT (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	K (mm)
50	15	162	83	44	42	102	150	32	240
65	15.5	175	95	48	42	121	150	46	240
80	16.9	181	102	48	42	130	150	64	240
100	18.2	200	124	54	42	171	150	90	240
125	20.5	213	136	57	42	197	300	111	240
150	21.4	225	150	57	42	219	300	145	240
200	29	260	197	63	40	268	300	193	230
250	33.5	292	210	70	40	332	300	241	230
300	45.8	337	248	79	40	410	300	290	230
350	56.2	368	279	79	40	435	300	325	230
400	88.4	400	305	89	-	508	450	380	277
450	110.2	422	381	108	-	543	450	427	277
500	160.5	479	381	133	-	592	450	474	321
600	260	562	457	156	-	708	450	574	335

#### Pressure/Temperature Ratings

	F612	F622	F627
TEMPERATURE (°C)	-10 to 90	-10 to 100	-10 to 130
PRESSURE (BAR)	16	16	16

**PRESSURE RATING:** PN16 / ANSI Class 125

**END CONNECTION:** Semi-Lugged

**OPERATOR:** Gearbox

#### SPECIFICATION:

F612 - Suitable for Group 1 and 2 gases and Group 1 and 2 liquids as defined by the Pressure Equipment Directive 97/23/EC.

F622 - Suitable for Group 2 liquids only as defined by the Pressure Equipment Directive 97/23/EC and these valves are WRAS approved.

Suitable for Group 2 liquids only as defined by the Pressure Equipment Directive 97/23/EC.

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