

# FA648L / FA644L / FA658L / FA654L / FA678L / FA674L

Fully Lugged Lever Operated  
Butterfly Valves

ANSI 125

FA648L



GENERAL VALVES

## Features & Benefits

- Valves are suitable for use with flanges conforming to ANSI B16.1 Class 125
- Valve generally conforms to MSS SP 67
- Ductile Iron, Stainless Steel, Aluminium Bronze Disc Options
- EPDM and Nitrile Seat Liner Options
- 420 Stainless Steel Shafts for superior strength

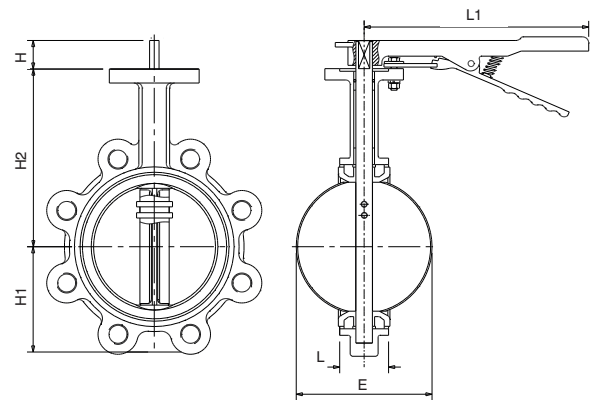
## Materials

PART	MATERIAL
Body	Ductile Iron (EN-GJS-400-15)
Disc (FA648L & FA644L) (2"-8")	Ductile Iron (EN-GJS-400-15) Epoxy Coated
Disc (FA658L & FA654L) (2"-8")	Stainless Steel 304 (ASTM A351 CF8)
Disc (FA678L & FA674L) (2"-8")	Aluminium Bronze (ASTM B148 C95400)
Liner (FA648L, FA658L & FA678L)	EPDM
Liner (FA644L, FA654L & FA674L)	Nitrile rubber
Shaft	Stainless Steel 420 (ASTM A276 420)
Taper Pin	Stainless Steel 431 (ASTM A276 431)
O-Ring	Nitrile rubber
Bushing	PTFE
Lever & Screw	Malleable Iron ASTM Gr.32510
Stop Plate	Mild Steel (GB700 Q235) Chromium Plated

## Valve Selection

	EPDM LINER	NITRILE LINER
DUCTILE IRON DISC	FA648L	FA644L
STAINLESS STEEL DISC	FA658L	FA654L
ALUMINIUM BRONZE DISC	FA678L	FA674L

## Dimensional Drawing



## Dimensions & Weights

SIZE (inch)	WEIGHT (kg)	H2	H1	L	H	L1	ØE	Kv
2	3.5	141	61	43	32	216	52.9	133
2 1/2	3.9	153	72	46	32	216	64.7	227
3	5.2	161	87	46	32	216	79.1	349
4	7.3	179	106	52	32	265	104.4	694
5	9.8	193	123	56	32	265	123.3	1181
6	10.7	204	137	56	32	265	155.6	1825
8	18.3	247	174	60	45	374	202.5	2503

## Pressure/Temperature Ratings

	FA648L / FA658L / FA678L	FA644L / FA654L / FA674L
TEMPERATURE (°C)	-10 to 120	-10 to 82
PRESSURE (BAR)	16	16

**PRESSURE RATING:** ANSI 125

**END CONNECTION:** Fully Lugged

**OPERATOR:** Trigger Lever

**OTHER:** Bare shaft options available

(Fig No. FA648B / FA658B / FA644B / FA654B / FA678B / FA674B)

Please contact us for bare shaft top works details

**SPECIFICATION:** End connections compatible with ANSI B16.1 Class 125 flanges.

**TEST PRESSURES:** (Hydrostatic)

**SHELL:** 24 bar

**SEAT:** 17.6 bar

Valid as of 08/12/20

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