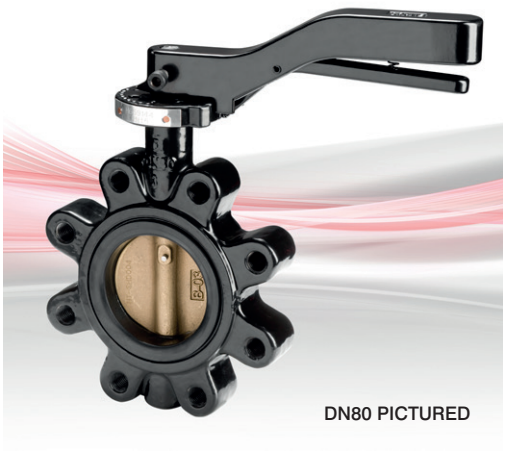
F614/F628

Fully-Lugged Lever Operated Butterfly Valves

PN16

F614



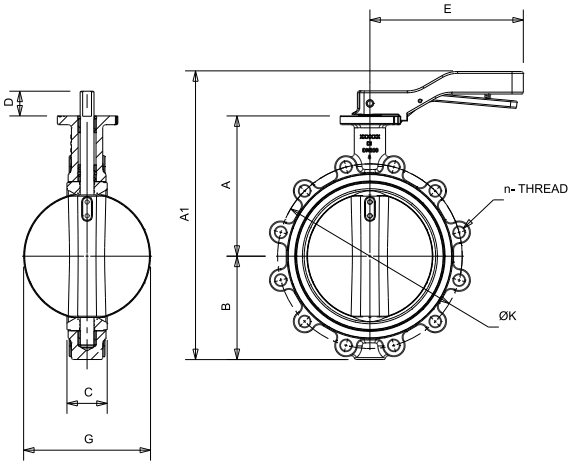
Features & Benefits

- Robust, ductile iron valve body for long life service
- Valve body semi-lugged to fit PN16 or ANSI Class 125 flanges
- The anti-blow out stem design provides a safe and secure operation
- Integrated notch plate for a more compact design and aluminium lever to reduce risk of corrosion
- 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 a wide temperature range -10°C to 130°C

Materials

PART	MATERIAL
Body	Ductile Iron ASTM A536 64-45-12 (Epoxy Paint)
Disc	Aluminium Bronze C954 ASTM B148
Liner (F614)	Nitrile Temp. -10 to 90°C
Liner (F628)	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
Lever	Aluminium Alloy (Epoxy Paint)
Stop Plate	Carbon Steel (Zn Plated)

Dimensional Drawing



Dimensions & Weights

SIZE (mm)	WEIGHT (kg)	A (mm)	A1 (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	K (mm)	Kv	N- THREAD
50	3.6	109	246	72	43	32	212.5	52.9	125	98	4- M16x2.0
65	4.1	131.5	278.5	82	46	32	212.5	64.6	145	167	4- M16x2.0
80	5.0	134	294	90	46	32	212.5	79	160	258	8- M16x2.0
100	6.5	163	343	108	52	32	212.5	104.4	180	512	8- M16x2.0
125	9.3	169	359	125	56	32	212.5	123.5	210	872	8- M16x2.0
150	11.5	179	392	142	56	40	245	155.8	240	1,347	8-M20x2.5
200	16.8	224	465	165	60	40	378	202.7	295	2,675	12- M20x2.5

*Kv coefficient denotes valves in fully open position

Pressure/Temperature Ratings

	F614	F628
MAX TEMPERATURE (°C)	-10 to 90	-10 to 130
PRESSURE (BAR)	16	15.7

Intermediate pressure ratings shall be determined by interpolation.

PRESSURE RATING: PN16

TEST PRESSURES:

Shell: 24 Bar Seat: 17.6 Bar

SPECIFICATION: Lever operated epoxy coated Ductile Iron Body. Semi-lugged. Aluminium or Stainless Steel disc. EPDM or Nitrile liner. To suit flange connections BS EN 1092-2 PN16. Valves may be used for flow regulation. Valve design conforms to BS EN 593. Face to face conforms to BS EN 558.

MEDIUM:

F614 - Suitable for Group 1 and 2 gases and Group 1 and 2 liquids as defined by the Pressure Equipment Directive 2014/68/EU.*

F628 - Suitable Group 2 liquids as defined by the Pressure Equipment Directive 2014/68/EU.*

* See page xxx for more information

Valid as of 130319