



BLAZE

Concentric Lugged Butterfly Valve

Model : BT 1427

Description:

The BT 1427 Concentric Wafer Butterfly Valve is a compact and versatile valve designed for reliable flow control and isolation in potable water, HVAC, plumbing and industrial systems. Featuring a centre-mounted disc and resilient seat, it provides tight shut-off and smooth operation with low operating torque. Its lightweight wafer design allows easy installation between various flange standards, while the ductile iron body with FBE coating provides excellent corrosion resistance and durability. Designed to BS 5155 and rated up to 16 bar, the valve is available in a range of sizes and offers manual, electric or pneumatic operation options.

Specifications :

Size	2" to 24" (DN50 to DN600 - WRAS Approved) 26" to 48" (DN650 to DN1200 - Standard)
Working Pressure	233 psi (16 Bar)
Design Standard	BS 5155
Approvals	WRAS Approved
End Connection	ASME Class 125 / Class 150 BS EN1092-2 PN10 / PN16
Temperature Range	-20°C to 110°C (EPDM Seat) -10°C to 80°C (NBR Seat) -10°C to 130°C (Viton Seat)
Coating	Fusion Bonded Epoxy (FBE), RAL 5015 (Blue)



Operation :

- Standard lever operation for sizes up to 8".
- Gear operator provided as standard for sizes above 8".
- Optional actuation available: electric or pneumatic (on request).

Cv Value (90° full open) :

DN	Inch	H (mm)
50	2"	135
65	2-1/2"	220
80	3"	302
100	4"	600
125	5"	1022
150	6"	1579
200	8"	3136

DN	Inch	H (mm)
250	10"	5340
300	12"	8250
350	14"	11917
400	16"	16388
450	20"	27908
600	24"	43116

Note: Cv is the flow rate of water in US gallons per minute of 60°F water, which passes through the valve with 1psi pressure drop across the valve.

BLAZETECH SYSTEMS LTD.



www.blaze-tech.co.uk

Milton Keynes, United Kingdom



contact@blaze-tech.co.uk

Disclaimer: Images shown are for illustration purposes only. Actual products may vary in appearance and specification. Specifications are subject to change without notice.

PRECISION YOU CAN TRUST

01/02

Ver. A, 01082026, © Blaze 2026



Concentric Lugged Butterfly Valve

Model : BT 1427

BLAZE

Dimensions :

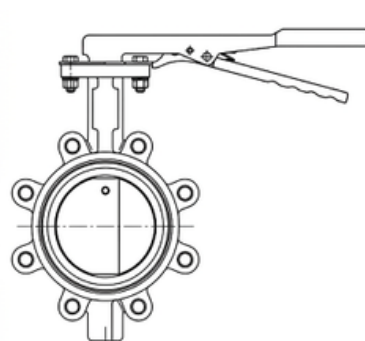
Order Code	DN	Inch	A (mm)	B (mm)	C (mm)	L (mm)
BT-1427-040-RF	40	1 ½"	66	130	15	33
BT-1427-050-RF	50	2	68.6	141.2	15	42
BT-1427-065-RF	65	2 ½"	76	150.4	19	44.5
BT-1427-080-RF	80	3"	98.6	156.4	19	44.5
BT-1427-100-RF	100	4"	118.7	167.9	19	51
BT-1427-125-RF	125	5"	129.4	186.5	19	54.5
BT-1427-150-RF	150	6"	142	205.7	19	54.5
BT-1427-200-RF	200	8"	176	230.6	25	59.6
BT-1427-250-RF	250	10"	208.8	269.9	32	67
BT-1427-300-RF	300	12"	248.5	327.8	32	75.5
BT-1427-350-RF	350	14"	267	368	40	76
BT-1427-400-RF	400	16"	316	400	52	102

Order Code	DN	Inch	A (mm)	B (mm)	C (mm)	L (mm)
BT-1427-450-RF	450	18"	334	422	52	114
BT-1427-500-RF	500	20"	370	480	64	127
BT-1427-550-RF	550	22"	433	533	70	151
BT-1427-600-RF	600	24"	468	562	70	151
BT-1427-650-RF	650	26"	484	540	70	172
BT-1427-700-RF	700	28"	530	626	95	165
BT-1427-750-RF	750	30"	554	660	95	167
BT-1427-800-RF	800	32"	602	666	95	188
BT-1427-900-RF	900	36"	661	722	130	203
BT-1427-1000-RF	1000	40"	713	806	130	216
BT-1427-1200-RF	1200	48"	850	938	130	254

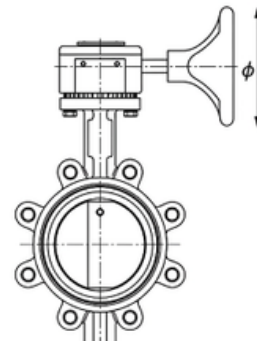
Note: Note: All dimensions are indicative and may be subject to modification based on the end user's specified standards or technical requirements.

Material Specification :

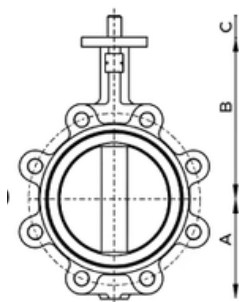
No.	Part Name	Material	Specification
1	Body	Ductile Iron	EN-GJS-400
2	Disc	Ductile Iron	EN-GJS-400
3	Shaft	Stainless Steel	BS 970 410S11
4	Seat	EPDM	-
5	O-Ring	EPDM	-
6	Pin	Stainless Steel	BS 970 410S11
7	Bushing	PTFE	-
8	Lever	Malleable Iron	-
9	Gear Box Housing	Cast Iron	-



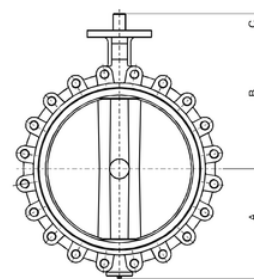
Lever Operated



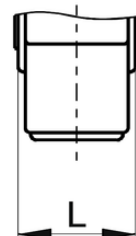
Gear Box Operated



Fit DN40-DN1000 Lug Butterfly Valves



Fit DN40-DN1000 Lug Butterfly Valves



BLAZETECH SYSTEMS LTD.



www.blaze-tech.co.uk

Milton Keynes, United Kingdom



contact@blaze-tech.co.uk

Disclaimer: Images shown are for illustration purposes only. Actual products may vary in appearance and specification. Specifications are subject to change without notice.

PRECISION YOU CAN TRUST

02/02

Ver. A, 15032026, © Blaze 2026