

BUTTERFLY VALVE

SS304 Disc PTFE Seat Lug Butterfly Valve with Gear Operator

REF EFC-520

SPECIFICATIONS

Size	DN50 to DN1200
Pressure	PN10, PN16, ANSI 150, ANSI 300, JIS 10K
End connection	Lug (DIN 2501) / Lug (ANSI B16.1) / Lug (JIS B2210)
Face-to-face	DIN 3202, ISO 5752, BS 5155
Temperature	-30°C to 135°C
	Range across the material options offered. The limit of a given build follows its grade.
Media	chemicals, air, water, steam, oil, salts

ACTUATION

- Gear operator (handwheel), ISO 5211 top flange mounting

STANDARDS

Design & manufacture	API 609, ANSI B16.34, JIS B2064, GB/T 12238
Inspection & test	API 598
Flange & end dimension	DIN 2501 PN10/16, ANSI 125/150/300, BS 4504, JIS 10K
Mounting	ISO 5211

APPLICATIONS

- Chemical processing lines
- Water treatment systems
- Cooling water networks
- General industrial pipeline isolation



Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

EFC-520 · Specifications confirmed at quote

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MATERIALS

Body	Cast Iron, Ductile Iron, Carbon Steel, Stainless Steel	Seat	EPDM, PTFE, FKM, NBR, CSM
Shaft	SS416, SS316, SS304, CS	Disc	CF8, CF8M, DI+Ni, SS304
Pin	SS	Bushing	PTFE, Bronze
O-Ring	NBR, EPDM		

FEATURES

- Lug-type body for secure bolting and end-of-line service capability
- PTFE seat for consistent sealing and low operating friction
- SS304 disc for corrosion resistance to common industrial media
- Gear operator for smooth manual operation across full size range
- ISO 5211 top flange for actuator interchangeability
- Multiple body, seat, disc and stem material options available

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SECTION Dimensions per size REF EFC-520

SIZE	D1	N-OD1	C	D0	K	E	Z-D	G	H	P	BXL	ANSI150 D1	ANSI150 N-OD1	JIS10K D1	JIS10K N-OD1
DN50 (PN16)	125	4-19	50	42	12.6	77	50	4-7	35	3	9	120.5	4-19	120	4-19
DN50 (PN10)	125	4-19	50	42	12.6	77	50	4-7	35	3	9	120.5	4-19	120	4-19
DN65 (PN16)	145	4-18	44.7	12.6	77	50	4-7	35	3	9	3X16	139.5	4-19	140	4-19
DN65 (PN10)	145	4-18	44.7	12.6	77	50	4-7	35	3	9	3X16	139.5	4-19	140	4-19
DN80 (PN16)	160	8-18	45.2	12.6	77	50	4-7	35	3	9	3X16	152.5	4-19	150	4-19
DN80 (PN10)	160	8-18	45.2	12.6	77	50	4-7	35	3	9	3X16	152.5	4-19	150	4-19
DN100 (PN16)	180	8-18	52.1	15.77	90	70	4-9	55	3	11	5X19	190.5	8-19	175	8-19
DN100 (PN10)	180	8-18	52.1	15.77	90	70	4-9	55	3	11	5X19	190.5	8-19	175	8-19
DN125 (PN16)	210	8-18	54.4	18.92	90	70	4-9	55	3	14	5X19	216	8-22	210	8-23
DN125 (PN10)	210	8-18	54.4	18.92	90	70	4-9	55	3	14	5X19	216	8-22	210	8-23
DN150 (PN16)	240	8-23	55.8	18.92	90	70	4-9	55	3	14	5X19	241.5	8-22	240	8-23

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Dimensions per size (continued) · EFC-520

SIZE	D1	N-OD1	C	D0	K	E	Z-D	G	H	P	BXL	ANSI150 D1	ANSI150 N-OD1	JIS10K D1	JIS10K N-OD1
DN150 (PN10)	240	8-23	55.8	18.92	90	70	4-9	55	3	14	5X19	241.5	8-22	240	8-23
DN200 (PN16)	295	12-23	60.6	22.1	125	102	4-12	70	3.5	17	5X19	298.5	8-22	290	12-23
DN200 (PN10)	295	12-23	60.6	22.1	125	102	4-12	70	3.5	17	5X19	298.5	8-22	290	12-23
DN250 (PN16)	355	12-27	65.6	28.45	125	102	4-12	70	3.5	22	8X28	362	12-25	355	12-25
DN250 (PN10)	350	12-23	65.6	28.45	125	102	4-12	70	3.5	22	8X28	362	12-25	355	12-25
DN300 (PN16)	410	12-27	76.9	31.6	125	102	4-12	70	3.5	22	8X28	432	12-25	400	16-25
DN300 (PN10)	400	12-23	76.9	31.6	125	102	4-12	70	3.5	22	8X28	432	12-25	400	16-25
DN350 (PN16)	470	16-27	76.9	31.6	125	102	4-12	70	3.5	22	8X28	476	12-29	445	16-25
DN350 (PN10)	460	16-23	76.9	31.6	125	102	4-12	70	3.5	22	8X28	476	12-29	445	16-25
DN400 (PN16)	525	16-30	86.5	33.15	175	140	4-18	100	4	24	10X50	540	16-29	510	16-27
DN400 (PN10)	515	16-27	86.5	33.15	175	140	4-18	100	4	24	10X50	540	16-29	510	16-27
DN450 (PN16)	585	20-30	105.6	38	175	140	4-18	100	4	27	10X50	578	16-32	565	20-27
DN450 (PN10)	565	20-27	105.6	38	175	140	4-18	100	4	27	10X50	578	16-32	565	20-27
DN500 (PN16)	650	20-33	127	41.15	175	140	4-18	100	4	32	10X50	635	20-32	620	20-27

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Dimensions per size (continued) · EFC-520

SIZE	D1	N-OD1	C	D0	K	E	Z-D	G	H	P	BXL	ANSI150 D1	ANSI150 N-OD1	JIS10K D1	JIS10K N-OD1
DN500 (PN10)	620	20-27	127	41.15	175	140	4-18	100	4	32	10X50	635	20-32	620	20-27
DN600 (PN16)	770	24-36	152	50.65	210	165	4-23	130	5	36	2-16X60	749.5	20-35	730	24-33
DN600 (PN10)	725	20-30	152	50.65	210	165	4-23	130	5	36	2-16X60	749.5	20-35	730	24-33
DN700 (PN16)	840	24-36	163	55	300	254	8-18	200	5.5		2-18X63	863.5	28-35	840	24-33
DN700 (PN10)	840	24-30	163	55	300	254	8-18	200	5.5		2-18X63	863.5	28-35	840	24-33
DN750 (PN16)	914	24-39	165	55	300	254	8-18	200	5.5		2-18X63	914.5	28-11/4"	900	24-33
DN750 (PN10)	914	24-33	165	55	300	254	8-18	200	5.5		2-18X63	914.5	28-11/4"	900	24-33
DN800 (PN16)	950	24-39	188	55	300	254	8-18	200	5.5		2-18X63	978	28-41	950	28-33
DN800 (PN10)	950	24-33	188	55	300	254	8-18	200	5.5		2-18X63	978	28-41	950	28-33
DN900 (PN16)	1050	28-39	203	75	300	254	8-18	200	5.5		2-20X100	1086	32-41	1050	28-33
DN900 (PN10)	1050	28-33	203	75	300	254	8-18	200	5.5		2-20X100	1086	32-41	1050	28-33

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DN1000 (PN16)	1170	28-42	216	85	300	254	8-18	200	5.5		2-20X100	1200	36-41	1160	28-39
DN1000 (PN10)	1160	28-36	216	85	300	254	8-18	200	5.5		2-20X100	1200	36-41	1160	28-39
DN1050 (PN16)	1257	32-44	251	95	300	254	8-18	200	5.5		2-25X140	1257.5	36-41	1270	28-39
DN1050 (PN10)	1257	32-37	251	95	300	254	8-18	200	5.5		2-25X140	1257.5	36-41	1270	28-39
DN1200 (PN16)	1390	32-50	276	105	350	298	8-23	230	5.5		2-28X140	1422.5	40-41	1380	32-41
DN1200 (PN10)	1380	32-41	276	105	350	298	8-23	230	5.5		2-28X140	1422.5	40-41	1380	32-41

Dimensions in millimetres unless stated otherwise. Values are nominal; tolerances confirmed at quote.

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