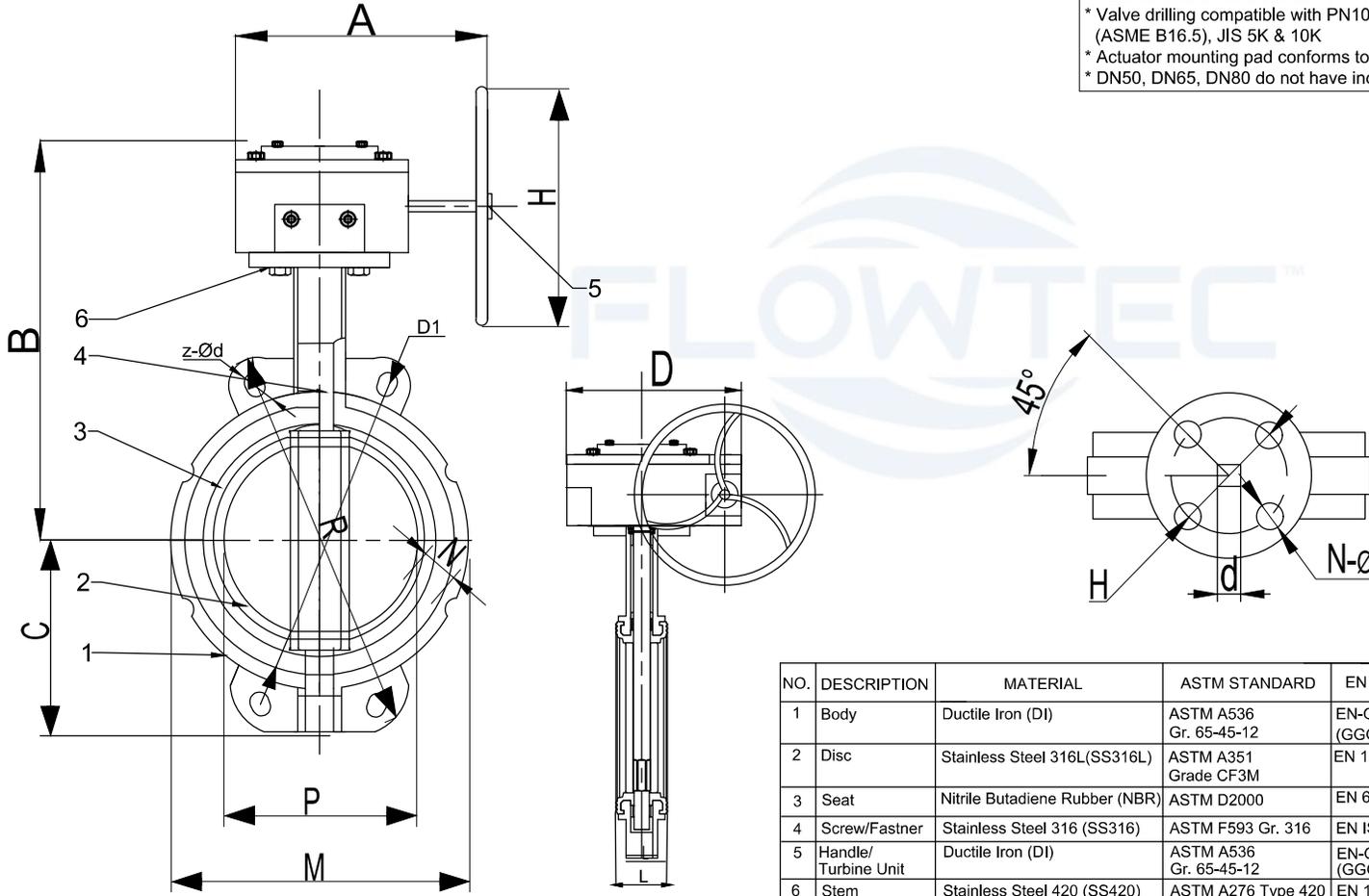


MODEL/DRAWING NO: BD371X5RL-16Q(N) Suitable for Water, Air, Demineralised Water, Sea Water, Light Oils, and Non-corrosive Fluids



SIZE	L	PN 16		PN10		ANSI 150		5K		10K		A	B	C	D	H	M	N	P	R	Weight (Kg) (Approx.)
		D1	Z-ød	D1	Z-ød	D1	Z-ød	D1	Z-ød	D1	Z-ød										
DN50	42	125	4-ø16	125	4-ø16	120.5	4-ø19	105	4-ø15	120	4-ø19	175	244	72	125	159	94	14	53	87	6.67
DN65	45	145	8-ø16	145	8-ø16	139.5	4-ø19	130	4-ø15	140	4-ø19	175	254	90	125	159	110	15	65	112	7.09
DN80	45	160	8-ø16	160	8-ø16	152.5	4-ø19	145	4-ø19	150	8-ø19	175	269	99	125	159	128	17	79	125	8.55
DN100	52	180	8-ø16	180	8-ø16	190.5	8-ø19	165	8-ø19	175	8-ø19	170	299	111	125	159	155	17	104	223	9.60
DN125	56	210	8-ø16	210	8-ø16	216.0	8-ø22	200	8-ø19	210	8-ø23	170	293	127	125	159	185	20	124	265	11.85
DN150	56	240	8-ø20	240	8-ø20	241.5	8-ø22	230	8-ø19	240	8-ø23	175	307	137	150	159	215	20	157	290	13.90
DN200	60	295	12-ø20	295	8-ø20	298.5	8-ø22	280	8-ø23	290	12-ø23	260	406	176	145	274	263	22	202	350	24.50
DN250	68	355	12-ø24	350	12-ø20	362.0	12ø25	345	12ø23	355	12-ø25	250	452	208	190	274	320-	22	250	415	37.00
DN300	78	410	12-ø24	400	12-ø20	432.0	12-ø25	390	12-ø23	400	16-ø25	270	488	242	190	274	375	25	302	470	42.50

- * Face-to-face dimensions conform to API 609 / EN 558 Series 20
- * Valve drilling compatible with PN10, PN16 (EN 1092-2), ANSI 150 (ASME B16.5), JIS 5K & 10K
- * Actuator mounting pad conforms to ISO 5211
- * DN50, DN65, DN80 do not have increased size



SIZE	H	d	N-ød
DN50	50	9	4-ø8
DN65	50	9	4-ø8
DN80	50	9	4-ø8
DN100	70	11	4-ø10
DN125	70	14	4-ø10
DN150	70	14	4-ø10
DN200	102	17	4-ø14
DN250	102	22	4-ø14
DN300	102	22	4-ø14

NO.	DESCRIPTION	MATERIAL	ASTM STANDARD	EN STANDARD	BS STANDARD
1	Body	Ductile Iron (DI)	ASTM A536 Gr. 65-45-12	EN-GJS-500-7 (GGG50)	BS EN 1563
2	Disc	Stainless Steel 316L(SS316L)	ASTM A351 Grade CF3M	EN 10213 1.4404	BS 3146
3	Seat	Nitrile Butadiene Rubber (NBR)	ASTM D2000	EN 681-1 (WA/WB)	BS 2494
4	Screw/Fastner	Stainless Steel 316 (SS316)	ASTM F593 Gr. 316	EN ISO 3506-1	BS EN ISO 3506-
5	Handle/ Turbine Unit	Ductile Iron (DI)	ASTM A536 Gr. 65-45-12	EN-GJS-500-7 (GGG50)	BS EN 1563
6	Stem	Stainless Steel 420 (SS420)	ASTM A276 Type 420	EN 10088-1 X20Cr13	BS 970 420S45

General Notes:

- * All dimensions in mm unless specified otherwise.
- * Unspecified tolerances: as per ISO 2768-m.
- * Surface Finish: As cast, unless otherwise specified.
- * Design and manufacture in accordance with API 609.
- * Inspection and hydrostatic testing as per API 598

Description of goods:

FLOWTEC(UK) Gear Operated Soft Replaceable Seat Semi LugType Butterfly Valve

Revisions

Date	Changes	Prep. by	Appr. by
xx-xx-xx			

PREPARED BY: CIANNA	CHECKED BY: WILLIAM
APPROVED BY: PETER	DATE: 22-12-2016

PROJECTION: First Angle

SCALE	NTS	
SIZE	A 3	
SHEET	1 OF 1	

NOMINAL PRESSURE
1.6Mpa

STRENGTH TEST PRESSURE
2.4Mpa

SEAL TEST PRESSURE
1.76Mpa

AIR TIGHTNESS PRESSURE
0.6Mpa

APPLICABLE TEMPERATURE
(-10°C to 80°C)

AIR SOURCE PRESSURE
0.4-0.7 Mpa



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Note: Unless otherwise specified, this drawing complies with BS8888:2020 and applicable ISO GPS standards

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