



PNEUMATIC ACTUATED BUTTERFLY VALVE (Spring Return Type)



BN Series

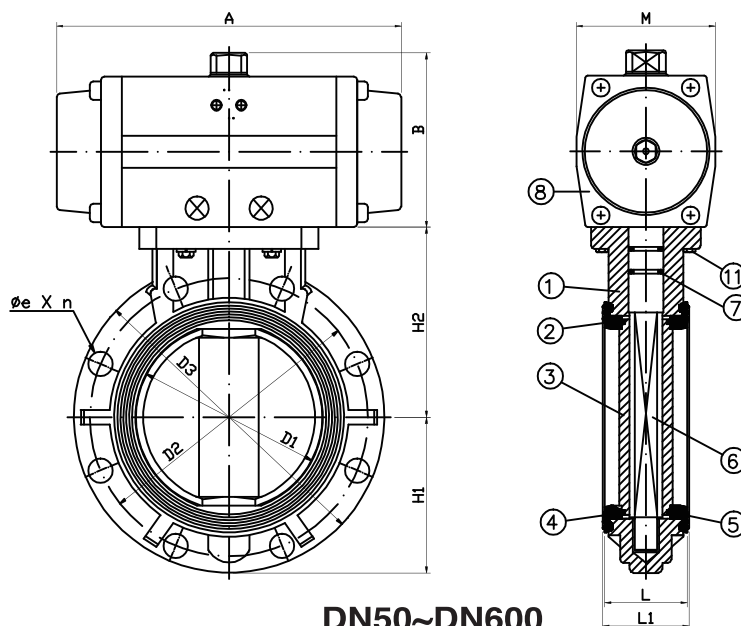
BN300
Size: 2" - 24"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, PVDF, PPG, CPVC
2	Seat	1	EPDM, VITON, NBR, HYPALON
3	Disc	1	UPVC, PP, PVDF, PPG, CPVC
4	Disc O'ring(A)	2	EPDM, VITON
5	Disc O'ring(B)	2	EPDM, VITON
6	Stem	1	SUS410/304/316
7	Stem O'ring	2	EPDM, VITON
8	Actuator	1	
9	Mounting Bracket	1	SUS304
10	Coupling	1	ZINC, PLATED, CARBON STEEL

DIMENSIONS TABLE

JIS													Unit: mm		
Nom-Size DN (inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	M	Test Press (kgf/cm ²)		Working Press (kgf/cm ²)
													Body	Seat	
50(2")	55	120	164	18	4	36.1	43.5	82	107	138	87	75	15.0	12.0	10.0
65(2-1/2")	69.6	140	185	18	4	40.0	46.4	92	115	155.5	103	75	15.0	12.0	10.0
80(3")	78	150	196	18	8	40.0	47.4	98	123	210	120	86	15.0	12.0	10.0
100(4")	100	175	225	18	8	48.0	52.4	112.5	139.5	210	120	86	15.0	12.0	10.0
125(5")	128	210	254	23	8	51.2	58.8	127	160	228	130	94	15.0	12.0	10.0
150(6")	152	240	286	23	8	51	57	143	178	280.5	145	120	15.0	12.0	10.0
200(8")	200	290	344	23	12	61	67.5	172	212	362	185	141	15.0	12.0	10.0
250(10")	255	355	412	23	12	102	108	206	242.7	362	185	176	15.0	12.0	10.0
300(12")	312	400	493	23	12	120	126	247	289	462	246	176	10.5	8.5	7.0
350(14")	355	445	540	23	16	123	129	270	305	462	246	220	10.5	8.5	7.0
400(16")	398	510	615	27	16	163	170	307.5	353	575	290	220	9.0	7.0	6.0
450(18")	451	565	640	27	20	175	182	325	365				7.5	6.0	5.0
500(20")	500	620	730	27	20	183	190	373	405				5.0	4.0	3.5
600(24")	600	730	844	33	24	205	218	435	460				5.0	4.0	3.5



DN50~DN600

DIMENSIONS TABLE

ANSI													Unit: inch		
Nom-Sixe DN (inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	M	Test Press (lb/in ²)		Working Press (lb/in ²)
													Body	Seat	
50(2")	2.16	4.75	6.46	0.75	4	1.42	1.71	3.23	4.21	5.433	3.425	2.953	225	180	150
65(2-1/2")	2.74	5.50	7.28	0.75	4	1.57	1.83	3.62	4.53	6.122	4.055	2.953	225	180	150
80(3")	3.07	6.00	7.72	0.75	4	1.57	1.87	3.86	4.84	8.268	4.724	3.386	225	180	150
100(4")	3.94	7.50	8.85	0.75	8	1.89	2.06	4.43	5.49	8.268	4.724	3.386	225	180	150
125(5")	5.04	8.50	10.0	0.87	8	2.02	2.31	5.00	6.30	8.976	5.118	3.70	225	180	150
150(6")	5.98	9.50	11.26	0.87	8	2.01	2.24	5.63	7.00	11.043	5.71	4.724	225	180	150
200(8")	7.87	11.75	13.54	0.87	8	2.40	2.66	6.77	8.35	14.25	7.283	5.55	225	180	150
250(10")	10.00	14.25	16.22	0.98	12	4.02	4.25	8.11	9.56	14.25	7.283	6.93	225	180	150
300(12")	12.28	17.00	19.41	0.98	12	4.72	4.96	9.72	11.38	18.19	9.685	6.93	155	125	105
350(14")	13.97	18.75	21.26	1.14	12	4.84	5.08	10.63	12.01	18.19	9.685	8.66	155	125	105
400(16")	15.69	21.25	24.21	1.14	16	6.42	6.69	12.11	13.90	22.64	11.42	8.66	133	100	89
450(18")	17.75	22.75	25.20	1.26	16	6.89	7.17	12.80	14.37				110	89	75
500(20")	19.70	25.00	28.74	1.26	20	7.20	7.18	14.69	15.94				75	60	52
600(24")	23.66	29.50	32.23	1.38	20	8.07	8.58	17.13	18.11				75	60	52

DIN													Unit: mm		
Nom-Sixe DN (inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	M	Test Press (bar)		Working Press (bar)
													Body	Seat	
50(2")	55	125	164	18	4	36.1	43.5	82	107	138	87	75	15.0	12.0	10.0
65(2-1/2")	69.6	145	185	18	4	40.0	46.4	92	115	155.5	103	75	15.0	12.0	10.0
80(3")	78	160	196	18	8	40.0	47.4	98	123	210	120	86	15.0	12.0	10.0
100(4")	100	180	225	18	8	48.0	52.4	112.5	139.5	210	120	86	15.0	12.0	10.0
125(5")	128	210	254	23	8	51.2	58.8	127	160	228	130	94	15.0	12.0	10.0
150(6")	152	240	286	23	8	51.0	57.0	143	178	280.5	145	120	15.0	12.0	10.0
200(8")	200	295	344	23	8	61.0	67.5	172	212	362	185	141	15.0	12.0	10.0
250(10")	255	350	412	23	12	102	108	206	242.7	362	185	176	15.0	12.0	10.0
300(12")	312	400	493	23	12	120	126	247	289	462	246	176	10.5	8.5	7.0
350(14")	355	460	540	23	16	123	129	270	305	462	246	220	10.5	8.5	7.0
400(16")	398	515	615	27	16	163	170	307.5	363	575	290	220	9.0	7.0	6.0
450(18")	451	565	640	27	20	175	182	325	365				7.5	6.0	5.0
500(20")	500	620	730	27	20	183	190	373	405				5.0	4.0	3.5
600(24")	600	725	844	30	20	205	218	435	460				5.0	4.0	3.5

- ✱ Standard dimensions based on PVC material.
- ✱ The flanged length tolerance is according to EN558-1:1995.
- ✱ L: The suggested length of the valve as installed on pipeline.