

Stainless Steel Wafer Pattern Butterfly Valve - PTFE Liner

ISO 5211 for Direct Mount, Stainless Steel Body & Disc, PTFE Liner, Lever Operation 1" to 5", Gearbox Operation 8", Complies with 97/23/CE (PED) Directive CE 1115.

Note: 6" are available with gearbox or lever but gearboxes are strongly recommended due to the forces required to close the valve.



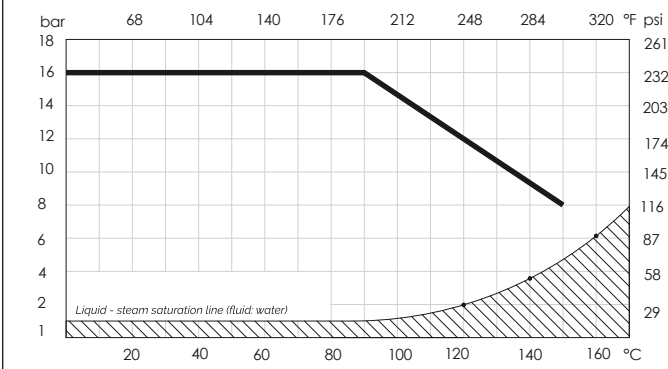
Pressure / Temperature Specifications

Pressure	PN16
Temperature	-10°C to 120°C

Material Specifications

1. Body	CF8M Stainless Steel
2. Disc	CF8M Stainless Steel
3. Stem	AISI 316 Stainless Steel
4. Liner	PTFE
5. Bushing	PTFE
6. Washer	A4 Stainless Steel
7. Circlip	A4 Stainless Steel
8. O-ring	Viton
9. Lever	Stainless Steel (2" to 5")
10. Bolts	A4 Stainless Steel

Pressure / Temperature Chart



Weight

Size	with Lever	with Gearbox
2"	2.1	6.1
2½"	2.4	6.4
3"	3.1	6.9
4"	4.1	7.9
5"	6.1	9.4
6"	7.5	10.8
8"	-	21.4

Operating Torque (Nm, without Safety)

Size	3 Bar	6 Bar	10 Bar	16 Bar
2"	11.3	12.0	13.0	13.0
2½"	17.0	18.0	20.0	21.0
3"	23.0	25.0	26.0	28.0
4"	33.0	36.0	40.0	44.0
5"	48.0	54.0	61.0	68.0
6"	68.0	78.0	88.0	99.0
8"	120.0	134.0	148.0	162.0

KV Values

Size	10°	20°	30°	40°	50°	60°	70°	80°	90°
2"	0.05	2.6	6.0	13.0	23.0	38.0	60.0	91.0	99.0
2½"	0.00	3.8	14.0	33.0	53.0	75.0	98.0	108.0	108.0
3"	0.17	7.8	16.0	34.0	60.0	100.0	158.0	237.0	261.0
4"	0.26	15.0	31.0	67.0	120.0	199.0	314.0	471.0	518.0
5"	0.43	25.0	53.0	115.0	205.0	339.0	535.0	803.0	883.0
6"	0.69	39.0	82.0	177.0	316.0	522.0	827.0	1241.0	1364.0
8"	2.6	52.0	142.0	250.0	450.0	713.0	1122.0	1723.0	2716.0

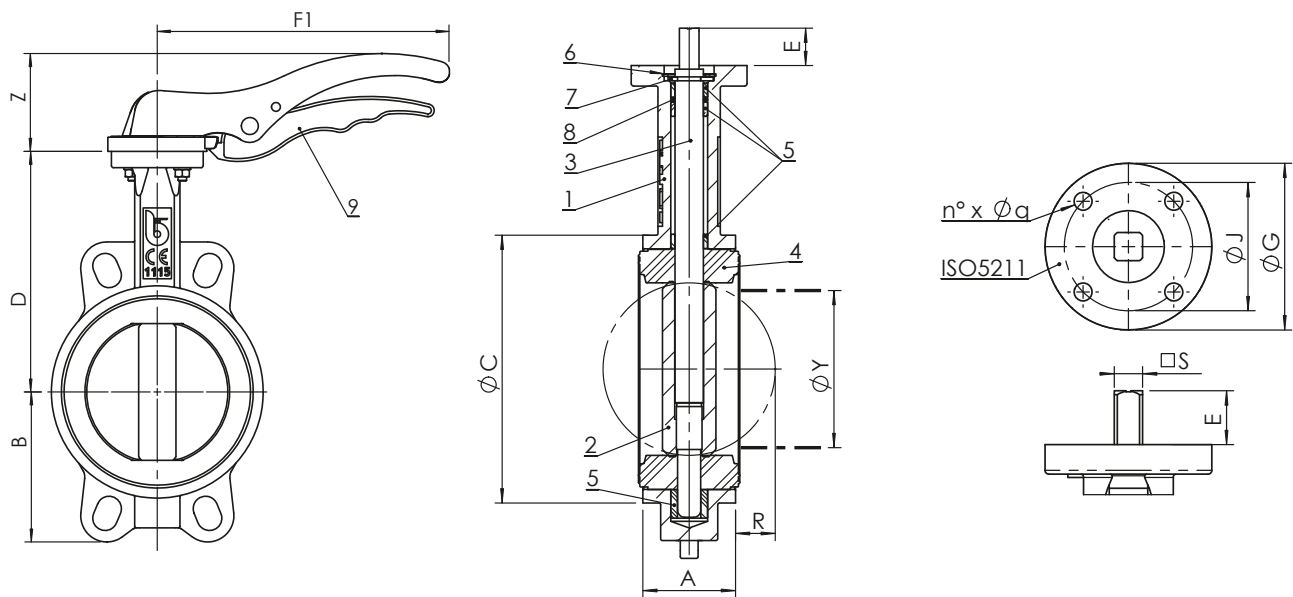
Flange Suitability

Size	PN6	PN10	PN16	ANSI 150	Table D	Table E
2"	✓	✓	✓	✓	✓	✓
2½"	✓	✓	✓	✓		
3" to 8"	✓	✓	✓	✓	✓	✓

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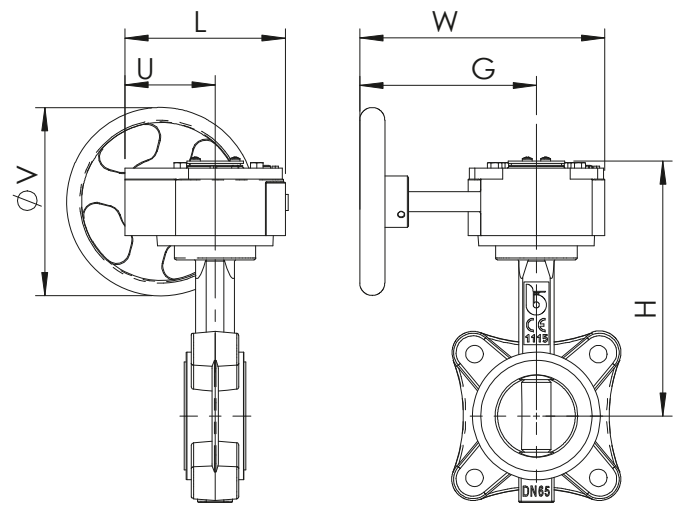
LV 9958



Dimensions								
Size	A	B	ØC	D	F1	R	ØY	Z
2"	43	62	89	126	170	5	31	50
2½"	46	69	102	136	170	9	45	50
3"	46	90	118	150	206	17	65	69
4"	52	106	150	170	206	26	90	69
5"	56	119	174	180	285	34	110	90
6"	56	131	205	200	285	50	146	90
8"	60	166	260	230	-	71	194	-

Mounting Plate Dimensions						
Size	ISO	G	J	No x Øq	S	E
2"	F05	65	50	4 x 7	9	21
2½"	F05	65	50	4 x 7	9	21
3"	F05	65	50	4 x 7	11	21
4"	F05	65	50	4 x 7	11	21
5"	F07	90	70	4 x 9	14	27
6"	F07	90	70	4 x 9	14	27
8"	F10	125	102	4 x 11	17	27

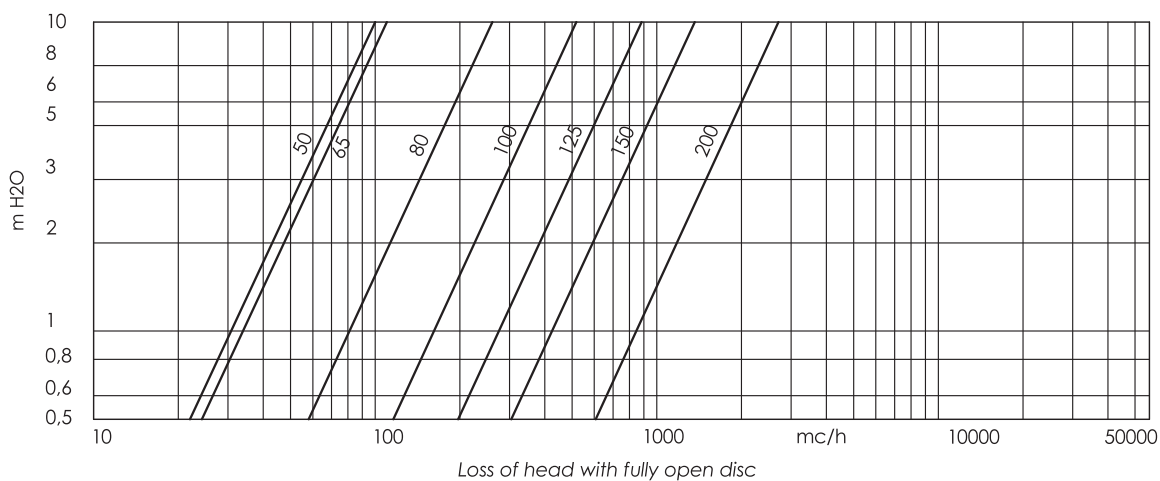
Dimensions with Gearbox						
Size	L	U	H	W	G	V
2"	130	77	188	225	170	150
2½"	130	77	198	225	170	150
3"	130	77	212	225	170	150
4"	130	77	232	225	170	150
5"	130	77	242	225	170	150
6"	130	77	262	225	170	150
8"	180	104	308	338	260	300



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Head Loss Chart (Fluid: Water [1m H₂O = 0.098 Bar] Head Loss with Valve Fully Opened)



Flow Rate / Opening Position Chart (Flow percentage on the flow at full opening under the same head loss)

