

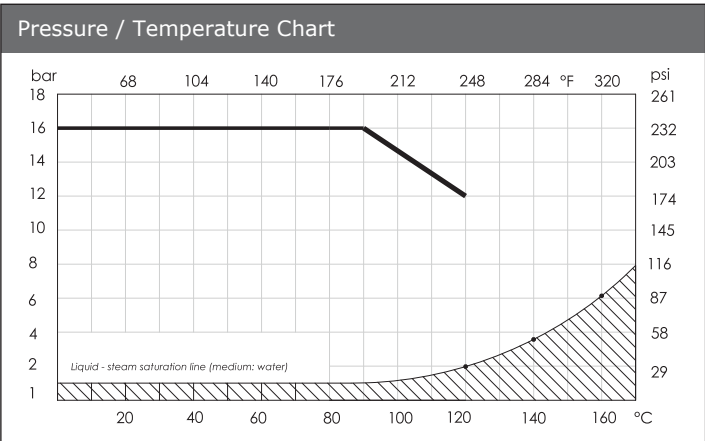
Multi-flange Wafer Pattern Butterfly Valve - EPDM Liner



ISO 5211 for Direct Mount, Nickel Plated Ductile Iron Disc, EPDM Liner,
 Locking Lever Operated up to 10", Gearbox Operation 12" and above,
 Complies with 97/23/CE (PED) Directive CE 1115

Pressure / Temperature Specifications	
Pressure	PN16 1" to 16"
	PN10 18" to 24"
Temperature	-10°C to 120°C (130°C Peak)

Material Specifications	
1. Body 2" to 12"	EN GJL 250 - Epoxy Coated Cast Iron
14" to 24"	EN GJS 400 - 15 Epoxy Coated Ductile Iron
2. Disc	EN GJS 400 - 15 Nickel Plated Ductile Iron
3. Stem	AISI 420 Stainless Steel
4. Liner	EPDM
5. Bushing	PTFE
6. Washer	Galvanised Carbon Steel
7. Circlip	Spring Steel
8. O-ring	Viton
9. Lever	Steel
10. Bolts 2" to 12"	AISI 201 Stainless Steel
14" to 24"	Galvanized Carbon Steel

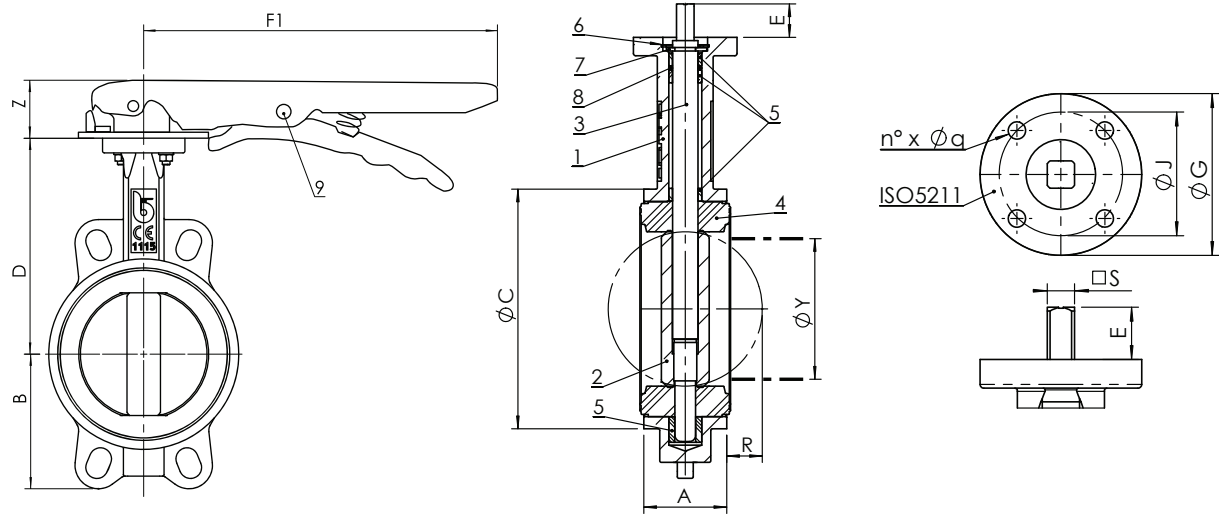


Flange Suitability						
Size	PN6	PN10	PN16	ANSI 150	Table D	Table E
1" & 1 1/4"	✓	✓	✓	✓		
1 1/2" & 2"	✓	✓	✓	✓	✓	✓
2 1/2"	✓	✓	✓	✓		
3" to 14"	✓	✓	✓	✓	✓	✓
16"	✓	✓	✓	✓		
18" to 24"*		✓	✓			

*PN10 or PN16 must be selected at time of order

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LV 9901



Dimensions

Size	A	B	ØC	D	F1	R	ØY	Z
2"	43	62	89	126	193	5	31	27
2½"	46	69	102	136	193	9	45	27
3"	46	90	118	150	216	17	65	27
4"	52	106	150	170	216	26	90	27
5"	56	119	174	180	250	34	110	27
6"	56	131	205	200	250	50	146	27
8"	60	166	260	230	350	71	194	31
10"	68	202	318	266	375	91	241	30
12"	78	235	376	292	-	112	291	-
14"	78	257	406	335	-	128	324	-
16"	102	292	471	360	-	144	379	-
18"	114	318	539	422	-	163	428	-
20"	127	355	594	480	-	182	475	-
24"	154	444	695	562	-	219	573	-

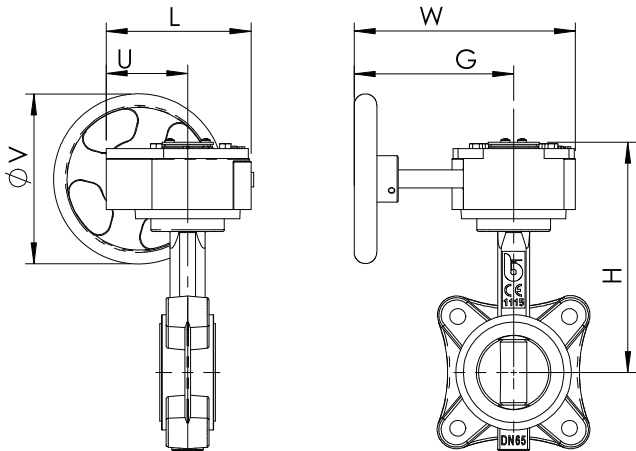
Mounting Plate Dimensions

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
10"	F12	150	125	4 x 13	27	27
12"	F12	150	125	4 x 13	27	27
14"	F12	150	125	4 x 13	27	27
16"	F12	150	125	4 x 13	27	27
18"*	F16	210	165	4 x 22	27	51
20"*	F16	210	165	4 x 22	36	64
24"*	F16	210	165	4 x 22	36	70

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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
10"	205	124	346	345	260	300
12"	205	124	372	345	260	300
14"	205	124	415	345	260	300
16"	278	118	457	291	167	380
18"	278	118	519	291	167	380
20"	277	107	607	379	207	285
24"	323	131	693	428	256	385



Weight

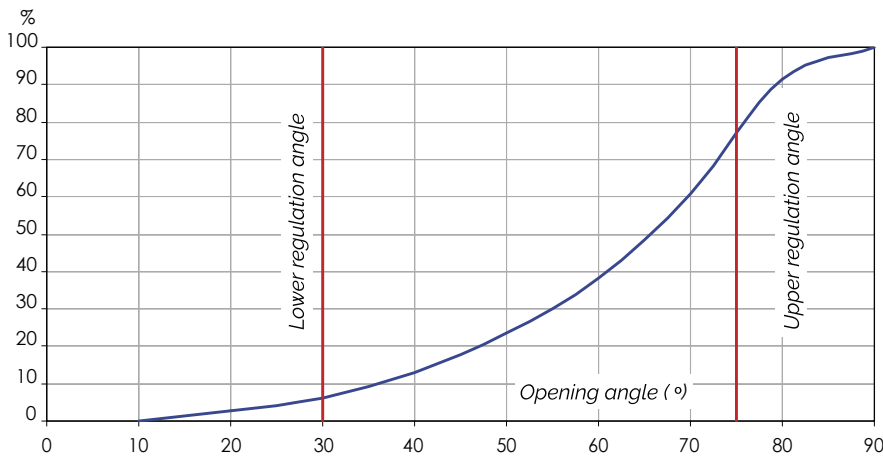
Size	with Lever	with Gearbox
2"	2.1	6.1
2½"	2.4	6.4
3"	3.2	7.0
4"	4.3	8.1
5"	6.3	9.6
6"	7.8	11.1
8"	15.0	22.3
10"	23.5	32.8
12"	-	42.0
14"	-	43.0
16"	-	60.0
18"	-	107.7
20"	-	155.8
24"	-	231.1

Operating Torque (Nm)

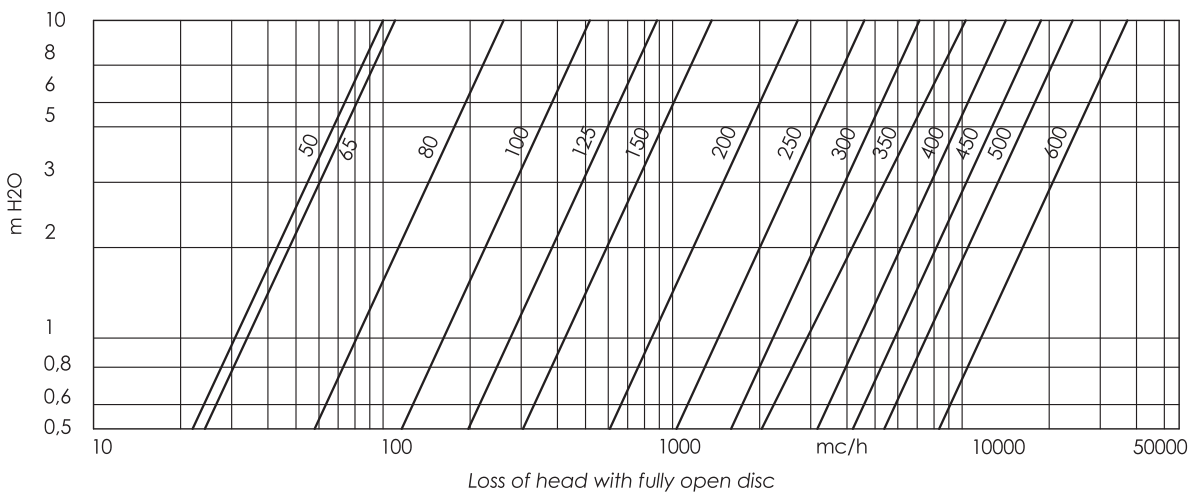
Size	3 Bar	6 Bar	10 Bar	16 Bar
2"	11.3	12.0	13.0	13.0
2½"	17.0	18.0	20.0	21.0
3"	23.0	25.0	26.0	28.0
4"	33.0	36.0	40.0	44.0
5"	48.0	54.0	61.0	68.0
6"	68.0	78.0	88.0	99.0
8"	120.0	134.0	148.0	162.0
10"	189.0	212.0	234.0	257.0
12"	290.0	316.0	342.0	367.0
14"	298.0	347.0	396.0	550.0
16"	481.0	551.0	622.0	850.0
18"	--- Please confirm with sales ---			
20"	--- Please confirm with sales ---			
24"	--- Please confirm with sales ---			

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Flow Rate / Opening Position



Head Loss (1m H₂O = 0.098 Bar)



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
10"	2.6	130.0	276.0	599.0	1068.0	1768.0	2798.0	4196.0	4611.0
12"	3.5	202.0	427.0	926.0	1650.0	2730.0	4322.0	6483.0	7124.0
14"	5.2	292.0	617.0	1376.0	2384.0	3945.0	6243.0	9364.0	10291.0
16"	6.9	401.0	849.0	1839.0	3279.0	5425.0	8585.0	12878.0	14152.0
18"	9.5	531.0	1124.0	2437.0	4342.0	7185.0	11371.0	17057.0	18743.0
20"	12.0	683.0	1445.0	3133.0	5609.0	9238.0	14620.0	21930.0	24099.0
24"	19.0	1055.0	2234.0	4840.0	8626.0	14272.0	22587.0	33882.0	37232.0