



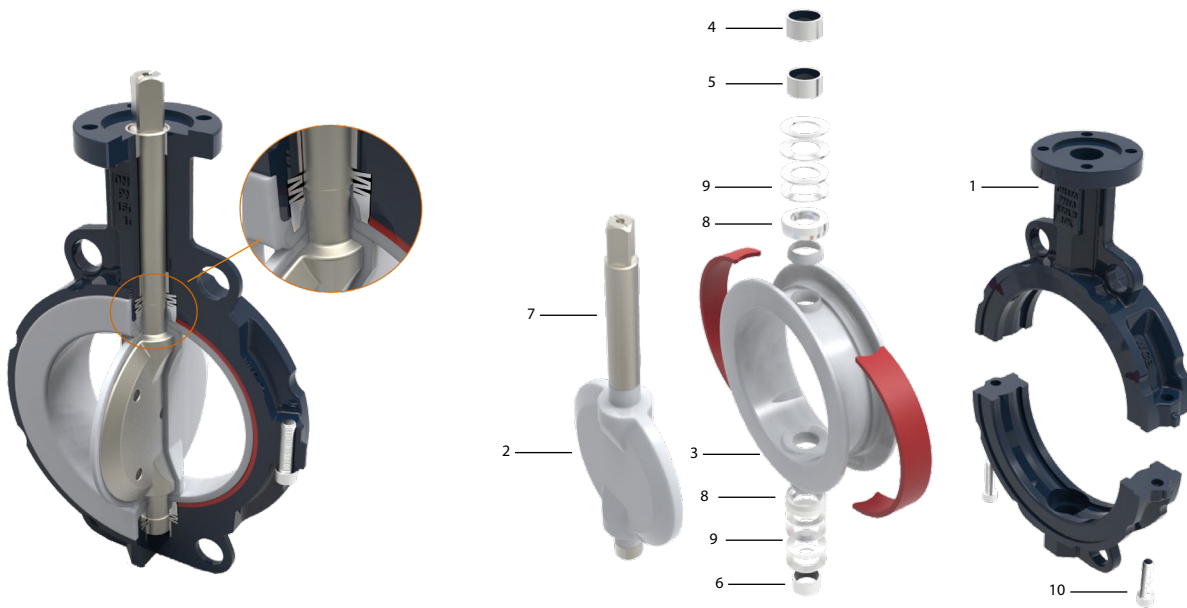
V108 Wafer / V109 Lug Type PTFE Lined Butterfly Valves

Proval V108 Series split body, PTFE lined butterfly valves, owing to their superior design being suitable for use in industrial process lines, allow manual and automated control of highly corrosive aqueous and gaseous chemicals.

- Available in sizes from DN40 to DN700 and offered in both wafer and lug style, two piece body configurations to facilitate site replacement and maintenance.
- Features dynamically - loaded belleville spring and V-ring stem seal technologies to provide enhanced protection in handling wide variety of corrosive and toxic chemicals.

- Provides bi-directional tight shut-off at full rated pressure.
- Min PTFE Lining thickness of 3mm. to prevent exposure of any parts of the disc or the stem to the line media.
- Application Areas:
 - Pharmaceutical
 - Petrochemical
 - Textile
 - Food

Design Features and Material List



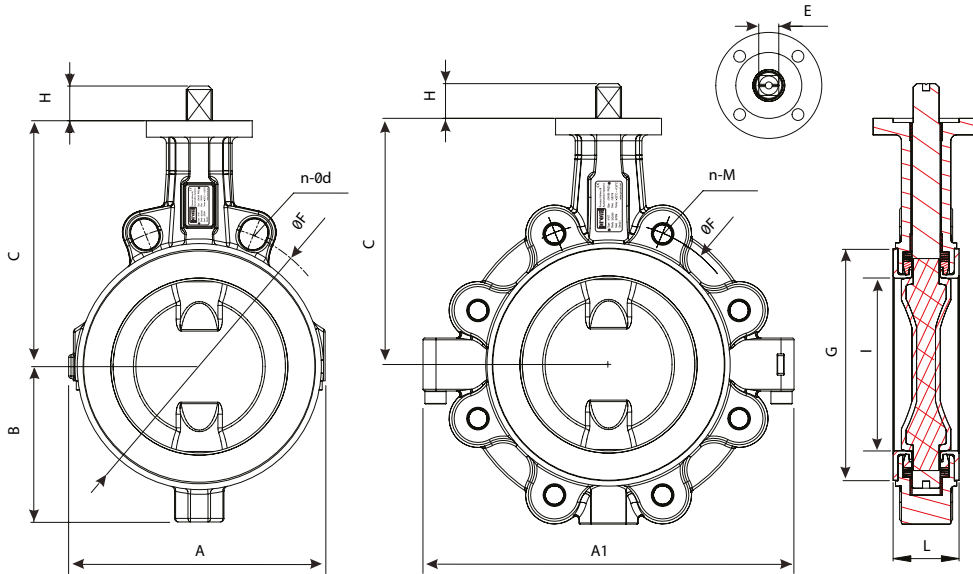
Material List

No	Part Name	Material
1	Body	Epoxy Coated GGG40 Ductile Iron
		Epoxy Coated WCB
		AISI304 Stainless Steel
		AISI316 Stainless Steel
2	Disc	AISI316 Stainless Steel
		PFA Coated AISI316 Stainless Steel
3	Seat	PTFE + EPDM (-30 °C ~ +150 °C)
		PTFE + Viton (-30 °C ~ +190 °C)
		PTFE + Silicone (-30 °C ~ +190 °C)

No	Part Name	Material
4/5/6	Bushing	SS304+PTFE
7	Shaft	AISI316 Stainless Steel
8	Pressured Ring	AISI304 Stainless Steel
9	Cover Spring	AISI304 Stainless Steel
10	Bolt	AISI304 Stainless Steel

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Dimensions (mm)



Butterfly Valve With PTFE Lined AISI316 Disc



Pneumatic Actuator Operation Butterfly Valve with PTFE Seat

Dimensions (mm)

Size		A	A1	B	C	□E	G	H	I	PN10				PN16				ANSI#150				L	ISO 5211 Flange	Max Ope. Pressure	Weight (Kg)		Kv	Torque (Nm)
DN	in									n	Ød	M	F	n	Ød	M	F	n	Ød	M	F				n	Ød		
40	1½	91	146	55	109	11	78	13	40,5	4	18	M16	110	4	18	M16	110	4	15,9	1/2"	98,4	33	F05	16 bar	2,5	3,2	164	35
50	2	102	159	65	134,5	11	89,5	13	50,5	4	18	M16	125	4	18	M16	125	4	19,0	5/8"	120,6	43	F05	16 bar	3,0	4,7	182	40
65	2½	118	204	74	149	11	104,5	13	65,5	4	18	M16	145	8	18	M16	145	4	19,0	5/8"	139,7	46	F05	16 bar	3,4	5,8	260	48
80	3	135	226	84	156	11	121,5	13	79,5	8	18	M16	160	8	18	M16	160	4	19,0	5/8"	152,4	46	F05	16 bar	4,0	6,5	355	56
100	4	158	260	100	179	14	144	16	98,5	8	18	M16	180	8	18	M16	180	8	19,0	5/8"	190,5	52	F07	16 bar	5,8	8,5	614	82
125	5	184	289	116	194	17	168,5	19	120,5	8	18	M16	210	8	18	M16	210	8	22,2	3/4"	215,9	56	F07	16 bar	7,6	10,6	995	120
150	6	214	315	132	209	17	196,5	19	146,5	8	22	M20	240	8	22	M20	240	8	22,2	3/4"	241,3	56	F07	16 bar	10,0	13,9	1514	170
200	8	270	383	164	237,5	22	251,5	24	195,5	8	22	M20	295	12	22	M20	295	8	22,2	3/4"	298,4	60	F10	10 bar	16,7	17,9	3070	298
250	10	330	456	195	275	22	305,5	24	245,5	12	22	M20	350	12	26	M24	355	12	25,4	7/8"	362,0	68	F10	10 bar	24,0	27,2	4412	390
300	12	384	528	222	300	27	354,5	29	292,5	12	22	M20	400	12	26	M24	410	12	25,4	7/8"	431,8	78	F12	10 bar	32,0	35,8	7672	590
350	14	448	570	258	325	27	408,5	29	343,5	16	22	M20	460	16	26	M24	470	12	28,6	1"	476,2	78	F12	10 bar	57,0	87,0	7958	810
400	16	510	652	294	365	36	459	38	392	16	26	M24	515	16	30	M27	525	16	28,6	1"	539,7	102	F14	6 bar	69,0	101,0	12542	1260
450	18	602	672	314	400	36	516	38	446	20	26	M24	565	20	30	M27	585	16	31,8	1 1/8"	577,8	114	F14	6 bar	82,0	137,0	17386	1470
500	20	657	721	351	444	36	569	38	489	20	26	M24	620	20	33	M30	650	20	31,8	1 1/8"	635,0	127	F16	6 bar	96,0	158,0	19030	1800
600	24	766	852	410	510	46	669	48	588	20	30	M27	725	20	36	M33	770	20	34,9	1 1/4"	749,3	154	F16	6 bar	141,0	242,0	26815	2995
700	28	906	992	454	553	55	780	57	699,5	24	30	M27	840	24	36	M33	840	28	35,0	1 1/4"	806,4	165	F25	6 bar	182,0	290,0	34168	3400

- Notes :**
- The size of valve between DN40-150, DN200-350, DN400-700 are suitable respectively 16, 10 and 6 bar operating pressure.
 - The safety factor (30%) should be added to the specified torque values.
 - Kv flow capacity is m3/hour.