



PROTEK



www.protekvalves.co.uk



Butterfly Valves



Wafer Type

Lug Type

Double Flanged Type

Design & Construction

PROTEK Butterfly Valve is available in sizes 1½ – 48" (32mm – 1200mm) and in a range of resilient seat materials.

PROTEK offer a variety of actuator options including levers, gearboxes, pneumatic cylinders and electric motors. A full complement of accessories is also available.

Major Markets

Water & waste water, Paper & pulp, mining, chemical, power, OEM, dry solids, food processing, HVAC, Power Generation, General process applications.

Features & Benefits

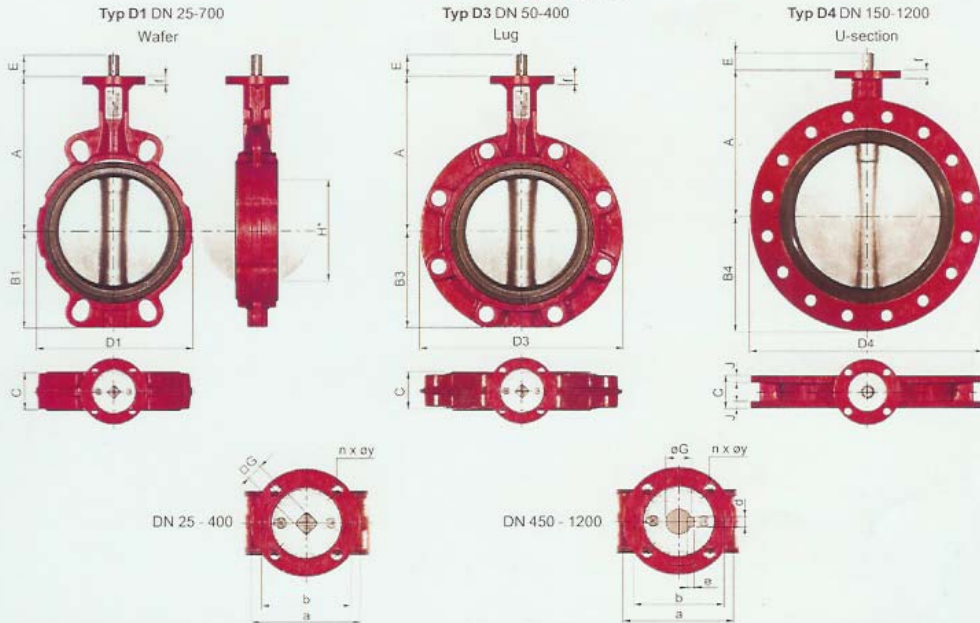
- Lugged, Wafer & Double Flanged Body styles
- High integrity precision cast one piece body
- Valves in accordance with BS 5155, DIN 3202 K1, ISO 5752, API 609, MSS SP67
- Fully Bi-directional Bubble tight Shut off
- Pressure Rating to 16 Bar
- Thin profile concentric spherical disc for high flow capacity
- Solid one-piece blow out proof shaft – eliminates the need for pins or bolts, which create additional leak paths and turbulence.
- Direct actuator mounting full ISO 5210 compatibility
- Low pressure drop
- Low maintenance costs
- Corrosion resistant bodies & discs
- Body, Disc & Seat Material Options
- Flange Drilling options DIN, ANSI, BS & JIS
- Low operating torques
- Light weight & dimensionally compact



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Dimensions:



DN	Valve										Shaft				ISO 5211				(kg)			
	A	B1	B3	B4	C	D1	D3	D4	H	J	E	G	d	e	ISO	a	b	f	n x øy	D1	D3	D4
25/32	110	50	-	-	30	72	-	-	17,0	-	19	8	-	-	F07	90	70	12	4 x 9	1,4	-	-
40	130	60	-	-	33	86	-	-	27,0	-	19	8	-	-	F07	90	70	12	4 x 9	2,0	-	-
50	135	72	72	-	43	101	117	-	30,0	-	19	11	-	-	F07	90	70	12	4 x 9	3,0	3,2	-
65	150	82	82	-	46	121	130	-	49,0	-	19	11	-	-	F07	90	70	12	4 x 9	3,6	4,0	-
80	160	92	88	-	46	138	188	-	68,5	-	19	11	-	-	F07	90	70	12	4 x 9	4,0	6,1	-
100	180	102	102	-	52	160	219	-	88,5	-	19	11	-	-	F07	90	70	12	4 x 9	5,5	8,5	-
125	195	120	116	-	56	189	248	-	114,5	-	19	14	-	-	F07	90	70	12	4 x 9	7,5	10,0	-
150	210	133	128	143	56	214	274	285	142,0	10,0	19	14	-	-	F07	90	70	12	4 x 9	8,6	11,0	15,0
200	240	163	161	170	60	272	332	340	193,5	12,5	25	17	-	-	F07	90	70	12	4 x 9	12,7	19,6	19,5
250	280	196	199	200	68	324	402	406	243,5	15,0	40	22	-	-	F12	155	125	18	4 x 13	22,2	28,7	30,5
300	315	232	234	239	78	378	472	482	292,5	15,0	40	22	-	-	F12	155	125	18	4 x 13	30,8	41,2	44,0
350	330	257	258	265	78	425	520	533	329,5	18,0	40	22	-	-	F12	155	125	18	4 x 13	41,5	55,0	59,0
400	365	292	290	296	102	475	584	596	375,5	20,0	40	27	-	-	F12	155	125	18	4 x 13	57,2	75,0	82,0
450	400	359	-	359	114	538	-	640	426	24,0	65	ø45	14	9	F14	175	140	25	4 x 18	95,0	-	118
500	440	397	-	397	127	595	-	715	477	26,0	65	ø45	14	9	F14	175	140	25	4 x 18	125	-	175
600	525	467	-	467	154	695	-	840	572	28,5	80	ø70	20	12	F16	220	165	25	4 x 22	180	-	260
700	565	518	-	503	165	800	-	927	663	31,5	80	ø70	20	12	F25	300	254	25	8 x 18	280	-	345
800	630	-	-	580	190	-	-	1060	780	36,5	80	ø70	20	12	F25	300	254	30	8 x 18	-	-	510
900	695	-	-	650	203	-	-	1170	855	38,0	100	ø80	22	14	F30	350	298	30	8 x 22	-	-	660
1000	748	-	-	696	216	-	-	1255	960	44,0	100	ø80	22	14	F30	350	298	30	8 x 22	-	-	790
1100	820	-	-	738	216	-	-	1340	1055	44,0	100	ø80	22	14	F30	350	298	30	8 x 22	-	-	850
1200	882	-	-	809	254	-	-	1485	1150	47,0	120	ø100	28	16	F30	350	298	30	8 x 22	-	-	1180

High Performance Butterfly Valves



- Carbon & Stainless Steel Body
- Wafer & Lugged Body
- ANSI Class 150 & 300
- PTFE & Metal - Metal Seat
- Sizes 3"-24"
- Double Eccentric Disc, Secondary energiser metal seat
- BS6755 Firesafe tested design

PTFE Seated Butterfly Valves



- Carbon & Stainless Steel Body
- Wafer & Lugged Design
- According to ISO 5752/DIN 3202
- Suitable for DIN & ANSI Flanges
- Temperature Range -40 to +200 degrees C
- Size Range DN 32 - DN 800 (1½" - 32")
- For aggressive and corrosive fluids and high purity applications.

High Temperature Metal Seated Butterfly Valves

- Cast Alloys, Stainless Steel and other body materials.
- Wafer, Lugged & Flanged Design
- Circular, Square & Rectangular Ports
- For temperatures up to 900 degrees C
- For Air, Gas, Steam & Exhaust Gas applications

Standard Materials Available:

Body	Cast Iron	DIN 1691 GG25
	Ductile Iron	DIN 1693 GGG 40/50
	Cast Steel	ASTM A216 WCB
	Aluminium	UNE 382669 L2521
	Stainless Steel	AISI 304/316
	Aluminium Bronze	DIN 1714
Disc	Ductile Iron	DIN 1693 GGG 40/50
	Aluminium	UNE 38252 L2520
	Cast Steel	ASTM A216 WCB
	Aluminium Bronze	DIN 1714
	Stainless Steel	ASTM A351 CF-8M

Standard Seat Materials Available:

Elastomer	Code	Temp. Range
Ethylene Propylene	EPDM	-40 - +95°C
Nitrile	NBR	-10 - +100°C
Teflon	PTFE	-40 - +200°C
Silicone	MVQ	-60 - +200°C
Hypalon	H	-25 - +120°C
Viton	FPM	-15 - +210°C
Polisoprene	NR/IR	-15 - +70°C
Neoprene	CR	-25 - +80°C
High temp. Ethylene Propylene	EPDM-HT	-30 - +130°C



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