## CONCENTRIC TYPE BUTTERFLY VALVE

Connection: Wafer, lug and flanged end Nominal Diameter: DN40 – DN2000

Standard differantial pressure: Vacuum 0,001 Bar absolute

16 Bar for DN40-DN200, 10 Bar for DN250-DN2000

Face to face: EN558 Series 20, API 609 Table 1

Body: Cast iron, ductile iron, carbon steel, stainless steel

Disc: SS201, SS304, SS316, SS316L, C95800, C95400, Hastelloy C, EN 1.4410, EN 1.4529

Seat: NBR, EPDM-H, VITON-A (oil, acid and alkali resistant) VITON-B (steam resistant), Hypalon, PTFE

Soft seated (instead of hard backed) valves are available with the same design.



Groove on the stem showing direction of the disc

Top flange according to ISO5211, together with square stem, makes it suitable for direct mounting of actuators, without using bracket  $\,$ 

 Unique groove on the top flange getting rid of wetness, gives a very good protection to actuators

Stainless steel retainer preventing stem blow-out

U-type ring provides weather sealing

Unique hole convenient for hanging of manual book or tag identification

RPTFE+graphite bearings provide excellent support, especially if actuators are used for automation purposes

 Replaceable O rings inside the seat, by upper and lower shaft, are extra ordinary sealing and prevent leakage by the stem

Square transmission between disc and shaft is strong and reliable

Hard back ring keeping the rubber stationary even under vacuum conditions and also ensure mounting between flanges without seat displacement

Streamline disc for better Kv with enough strength

 $\bigstar$  Unique contacting curve slope inside the seat reduces the opening torque and increases lifetime of the sealing. You save money and have less downtime.

Patented solution on disc turning point in bottom of the valve with reinforced bearing inside the disc, where rotation occurs. This reduce friction and ensure perfect centering and long lifetime together with the strong fixing shaft

Multi-standard alignment holes suitable for various standard of flanges: EN1092 PN10,PN16, ASME B16.5 Class150, JIS B 2239 10K,16K, BS10 Table D, Table E

· Plug with O-ring sealing eliminates any leakage from the stem

# PTFE LINED BUTTERFLY VALVE

Connection: Wafer, lug and flanged end Nominal Diameter: DN50 - DN600 Standard differential pressure: 10 Bar

Face to face: EN558 Series 20, API 609 Table 1

Body: Cast iron, ductile iron, carbon steel, stainless steel Disc: PTFE, SS304, SS316, SS316L, EN 1.4410, EN 1.4529 Seat: PTFE with EPDM backup, PTFE with VITON backup.

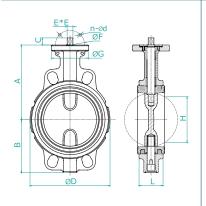
- Stainless steel retainer preventing stem blow-out.
- Unique Groove on the top flange getting rid of wetness, gives a very good protection to actuators.
- Spring loaded back up together with V-chevron sealing, to ensure safe tightness
- Chevron shape interface between disc and seat for better sealing.
- Extra wide sealing face for corrosion resistance.

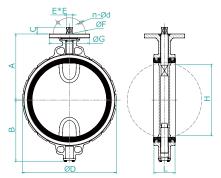


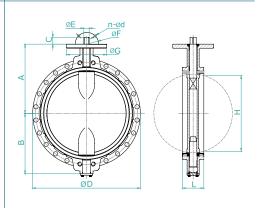
#### **DN40-DN300**

### DN350-DN600

#### DN700-DN2000







DN	Α	В	С	D	Е	F	n	d	G	Н	L	[kg]
40	113	67.5	13.5	86	11	50	4	7	65	30	33	1.7
50	126	76	13.5	102	11	50	4	7	65	35	43	2
65	134	82	13.5	116	11	50	4	7	65	47	46	2.6
80	157	95.5	13.5	132	11	50	4	7	65	70	46	3.3
100	167	113.5	17.5	157	14	50+70	4	7+9	90	87	52	5
125	180	129	17.5	195	14	70	4	9	90	117	56	6.4
150	203	142	18.5	218	17	70	4	9	90	144	56	7.8
200	228	172	24.5	271	22	102	4	11	125	191	60	12.2
250	266	213	24.5	329	22	102	4	11	125	241	68	19
300	291	242	26.5	382	27	102+125	4+4	12+14	150	291	78	26
350	332	273	30	422	27	125+140	4+4	14+18	175	329	78	41
400	363	317	30	484	27	125+140	4+4	14+18	175	376	102	58
450	397	348	39	542	36	140+165	4+4	18+22	210	425	114	80
500	425	393	49	597	46	140+165	4+4	18+22	210	475	127	97
600	498	453	49	708	46	165+254	4+8	22+18	300	573	154	169
700	626	531	90	928	63.1	254	8	18	300	674	165	252
750	660	564	90	984	63.1	254	8	18	300	727	165	290
800	666	601	90	1061	63.1	254	8	18	300	771	190	367
900	722	660	110	1170	74.7	254	8	18	300	839	203	465
1000	806	728	120	1290	83.7	298	8	22	350	939	216	606
1100	826	771	140	1404	94.7	298	8	22	350	1036	255	805
1200	941	874	150	1511	104.7	298	8	22	350	1137	276	900
1400	1000	940	175	1685	139.9	356	8	32	415	1351	279	1158
1600	1155	1085	195	1930	160	356	8	32	415	1548	318	1684
1800	1200	1170	195	2170	174.5	406	8	39	475	1703	356	2645
2000	1363	1360	245	2345	199	406	8	39	475	1938	406	4000

Different pressure may cause different dimension of "D".