RESILENT SEAT BUTTERFLY VALVE

Fig. **BFV100L** - **WAFER Cast Iron Body Lever Operated**
BFV100G - **WAFER Cast Iron Body Gear Operated**

Butterfly valves of KISTLER's design is apparent which utilize the phenolic-backed cartridge seat. These valves feature precision machined parts insuring years of dependable operation. With many body/trim combinations. The design can be suitable for BS/DIN/ANSI/JIS/UNI standard, etc. There are coating epoxy paint of 200um.

MATERIALS

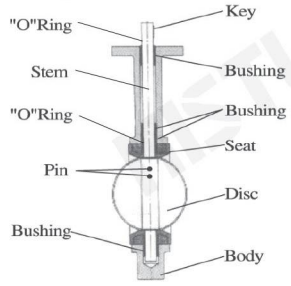
PART NAME	STANDARD MATERIALS
Body	Cast Iron (A126 Class B)
Disc	SUS 304 (CF8) ,
Seat	EPDM , Buna-N (NBR)
Stem	Stainless Steel ASTM 410
Pin	SUS 316 (CF8M)
O-Ring	EPDM , Buna-N (NBR)
Bushing	PTFE

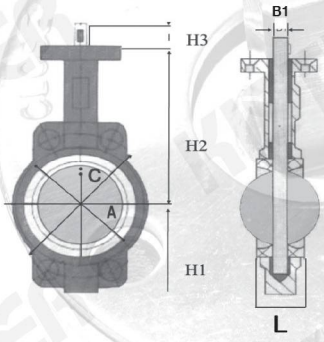
FEATURE

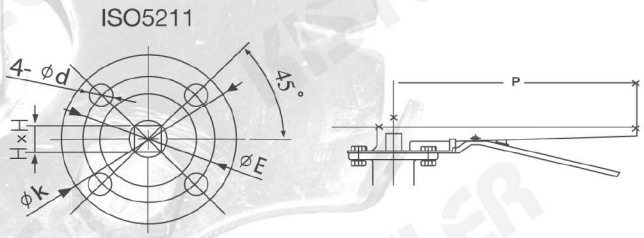
1. Small in size, light in weight. Easy installation & maintenance.
2. Simple and compact construction, quick 90 degrees on-off operation. Minimized operating torque, energy saving.
3. Long service life. Bubble-tight sealing with no leakage under the pressure test.
4. One piece shaft design ensures rigidity and stability of the shaft or disc assembly and minimize disc stress.
5. The operator top flange conforms to ISO5211 which Electric or Pneumatic actuator that have ISO5211 flange can be directly mounted.

PERFORMANCE

NOMINAL DIAMETER		2" - 12" (50 - 300mm)	14" - 40" (350 - 1000mm)
Max.Working Pressure		16 bar (232 psi.)	10 bar (150 psi.)
Max.Working Temperature		NBR - 10°C + 80°C EPDM - 10°C + 120°C PTFE - 10°C + 150°C	
Testing Pressure	Body	24 bar (348 psi.)	15 bar (218 psi.)
	Seat	17.6 bar (255 psi.)	11 bar (160 psi.)







DIMENSIONS

Unit : mm.

DN(mm)	INCH	L	H1	H2	H3 L / G	B1	ISO5211	Ø E	Ø K	4-Ød	P	C	Cv Valve Rating (Full Open 90)
40	1.1/2"	34	70	120	26/28	11	F05	50	65	4-19	230		85
50	2"	43	80	140	30/32	11	F07	70	90	4-19	266		120
65	2.1/2"	46	89	150	30/32	11	F07	70	90	4-19	266		200
80	3"	46	95	158	30/32	11	F07	70	90	4-19	266	This dimension	302
100	4"	52	114	176	30/32	11	F07	70	90	4-23	266	can be acc to	600
125	5"	56	127	190	30/32	14	F07	70	90	4-23	266	BS5155,	1,022
150	6"	56	139	211	30/32	14	F07	70	90	4-23	266	ANSI 125/150,	1,579
200	8"	60	175	235	40/45	17	F10	102	125	4-25.4	355	DIN PN10/	3,136
250	10"	68	203	265	- /45	22	F10	102	125	4-25.4	Gear	PN16,	5,340
300	12"	78	242	305	- /45	22	F10	102	125	4-28.4	Gear	JIS10K, UNI	8,250
350	14"	78	267	368	- /45	22	F10	102	125	4-28.4	Gear	standard, etc.	11,917
400	16"	102	321	405	- /52	27	F14	140	175	4-28.4	Gear		16,388
450	18"	114	328	422	- /52	27	F14	140	175	4-31.8	Gear		21,705
500	20"	127	361	480	- /65	36	F14	140	175	4-31.8	Gear		27,908
600	24"	154	459	562	- /70	36	F16	165	210	20.35.1	Gear		43,116