

MODEL : BV-10 | General Butterfly Valve |

Connection : Universal, Wafer JIS 10K, PN 16, ANSI 150



◆ TECHNICAL DATA

Size : DN40-DN1000
 W.P : PN10 | PN16 | JIS10K | ANSI 150
 Working Tem : -45--200°C
 Suitable Mediums : Fresh Water, Sewage, Sea Water, Air, Oils, Acids, Salt etc.

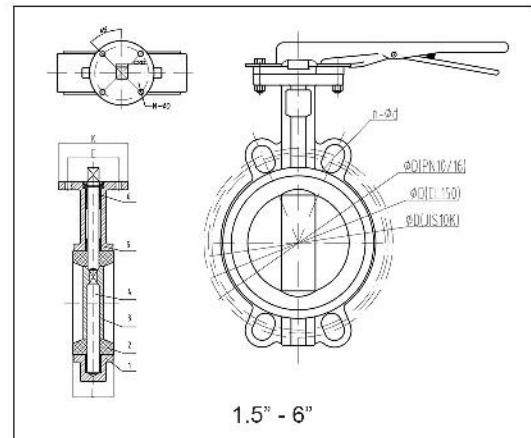
◆ STANDARD

Design acc. To BS5155, BS EN593 API609
 FTF to DIN3202, BS5155, BS EN558, ISO5752
 Top Flange to ISO5211
 Pressure test to BS EN12266-1, DIN3230, BS5155



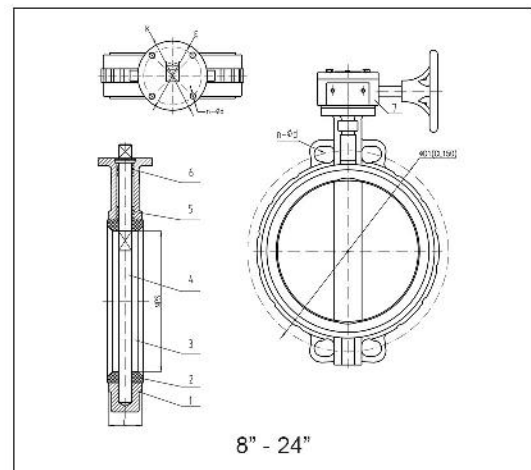
◆ MATERIAL LIST

No.	Parts	Material
1	Body	CI(1 1/2"-12") / DI(14"-24")
2	Liner (Seat)	EPDM/NBR
3	Disc	CF8M
4	Shaft	SS410
5	Bushing	FRP
6	O-Ring	NBR



◆ DIMENSIONS (mm)

SIZE	L	K	E	□x□	N-ØD	ISO	PN10 ØD	PN16 ØD	CL150 ØD	JIS10 K ØD	Weight Kgs
1.5"	33	Ø54	Ø42	9X9	4-Ø8	F04	110		98.5	105	2.3
2"	42	Ø65	Ø50	9X9	4-Ø8	F05	125		121	120	2.5
2.5"	46	Ø65	Ø50	9X9	4-Ø8	F05	145		140	140	2.9
3"	46	Ø65	Ø50	9X9	4-Ø8	F05	160		153	150	3.1
4"	52	Ø90	Ø70	11X11	4-Ø10	F05	180		191	175	4.8
5"	56	Ø90	Ø70	11x14	4-Ø10	F07	210		216	210	6.1
6"	56	Ø90	Ø70	14x14	4-Ø10	F07	240		242	240	7.1
8"	60	Ø125	Ø42	17X17	4-Ø12	F10	295		299	190	17.4
10"	66	Ø125	Ø50	22X22	4-Ø12	F10	350	355	362	355	23
12"	76	Ø125	Ø50	22X22	4-Ø12	F10	400	410	432	400	35
14"	76	Ø125	Ø50	22X22	4-Ø12	F10	460	470	476	-	40
16"	101	Ø175	Ø70	27X27	4-Ø18	F14	515	525	539.5	-	71
18"	112	Ø175	Ø70	27X27	4-Ø18	F14	565	585	578	-	80
20"	125	Ø175	Ø70	32X32	4-Ø18	F14	620	650	635	-	110
24"	152	Ø210	Ø70	36X36	4-Ø22	F16	725	770	749.5	-	192



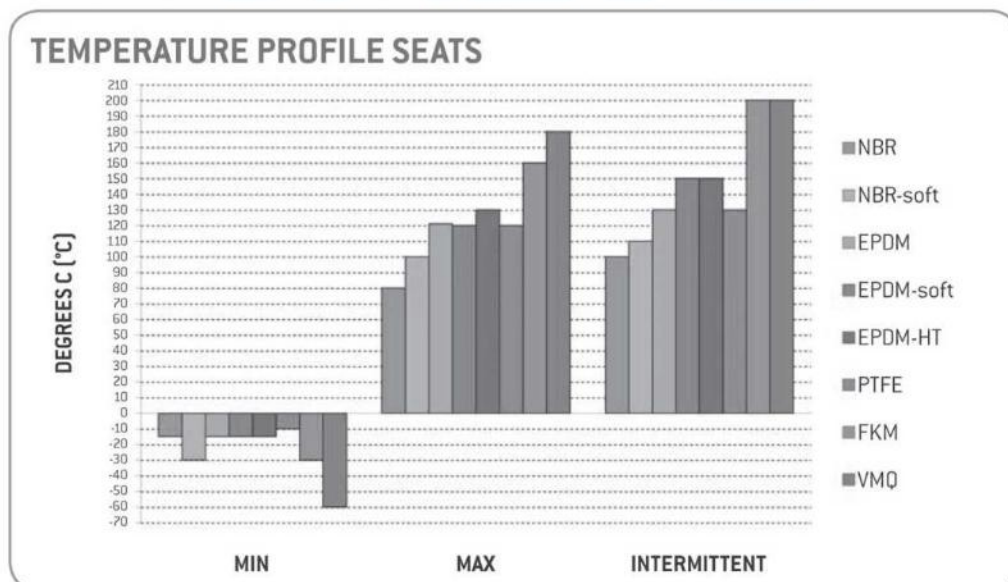
rubber - seat material



The field of application and/or chemical resistance suggested by us derives from our long experience in valve manufacturing but are purely indicative. Since many factors influence the liner - type of fluid, concentration, temperature, pressure, type of flow (turbulent, laminar), impurities, etc - the final choice of liner is up to our customers based on their specific process characteristics and applications.



- FKM** Fluorocarbon elastomers are compatible with a broad spectrum of chemicals. Because of this extensive chemical compatibility, which spans considerable concentration and temperature ranges from -30°C to + 160°C, fluorocarbon elastomers have gained wide acceptance as material of construction for butterfly valves. FKM can be used in most applications involving mineral acids, salt solutions, chlorinated hydrocarbons and petroleum oils. They are particularly good in hydrocarbon service however they are not suitable for hot water and steam service.
- VMQ** Silicons are primarily based on a sequence of silicon and oxygen atoms rather than a long chain of carbon atoms. This silicon-oxygen backbone is much stronger than a carbon-based backbone, making silicons much more resistant to extreme temperature, range -60°C to 180°C. In addition to being generally inert silicons are odourless, tasteless, non-toxic and fungus resistance making them suitable for food & beverage applications. Silicons are not well suited for dynamic use due to their poor tear and tensile strength. Silicons are also gas permeable.
- TFM** TFM is manufactured with PTFE and a 1% fraction of perfluoropropyl vinyl ether (PPVE). While the properties of conventional PTFE will be conserved, the additive PPVE leads to a better allocation of the PTFE particles and thus to a higher density of the molecular structure. This leads - in comparison with conventional PTFE - to a cold flow which is considerably lower for TFM, a reduced permeation that leads to better barrier properties and a smooth surface that provokes only a slight abrasion of the liner and less particles in the medium. Temperature ranging from -20°C to +200°C



EPDM - Soft is soft seat / EPDM - HT : EPDM that is manufactured through other production process which broadens temperature range