

## DN50-DN150 Thread End Butterfly Valve



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### Medium Capability:

Freshwater, Sea water, Air, steam, food, medicine and kinds of oil, acid, alkali, salt.

### Feature:

Long service life with reliable seal and without frequent maintenance. Butterfly valve have flow characteristics three times better than globe valve, and about 75% of a same size gate valve. Butterfly valve can be used for on/off service and throttling, They are superior in Multi-function as compared to gate or globe valves. Butterfly valve can be widely used in chemical field due to trim options and choice of elastomeric liner .

Butterfly valve have feature of light in weight and small in size, for example, weight and size of a 10" butterfly valve are 1/9 and 1/6 of a 10" gate valve. So butterfly valve is easy to install and save cost of piping system. Butterfly valve with resilient seat design can be bubble tight as compared to metal

seated gate or globe valves. Butterfly valves offer 90-degree open to close. Butterfly valve is approximate 35-40% cost of a same size gate valve. Also low installed cost than gate valve.

Properly installed butterfly valves are self cleaning and are less susceptible to failure due to trash material in pipe.



Item	Qty	Part Name
1	1	Body
2	1	Disc
3	1	Disc Seal
4	2~3	Bolt Seal
5	2~3	Hex-Bolt
6	1	Stem
7	2	Stem Seal
8	1	Location Ball
9	1	Locking Spring
10	1	Lever Joint
11	1	Nameplate
12	1	Lever screw
13	1	Lever Bar
14	1	Handle
15	1	Taper Pin

Structure and Parts List for Thread End Butterfly Valve

Nominal Pressure: PN10/16

Body	DISC	Stem	Bushing	Seat	
Material				Material	WorkingTemperature
					(℃)
C.I	DI	416SS	LubricativeBronze	NR	-20℃+85℃
D.I	WCB	431SS	Macromolecule+PTFE	HYPALON	-18℃+135℃
WCB	AL-Brz	316SS	316SS+PTFE	EPDM	-30℃+110℃
AL-Brz	Stainless Steel			NEOPRENE	-7℃+93℃
Stainless Steel				NBR	-12℃+82℃
				WRR	-10℃+50℃
				VITON	-23℃+150℃
				HRR	-20℃+150℃
				PTFE	+10℃+150℃

Outline Dimensions and Weight for Screw End Butterfly Valve DN50-DN150

Valve Size									Weight
Inch	mm	A	B	C	D	E	F	H	Kgs.
2	50	105.41	57.15	203.2	53.98	107.95	76.20	87.88	4.8
3	80	152.91	69.85	203.2	61.72	123.70	103.12	119.13	7.1
4	100	161.04	93.73	203.2	65.02	130.05	134.87	155.70	10.1
6	150	231.24	120.65	330.2	88.90	177.80	196.85	277.33	21.8

**Note:** Connected screw can be manufactured according to customer’s requirements.