

DN350-DN600 Butterfly Valve



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Inquiry

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.

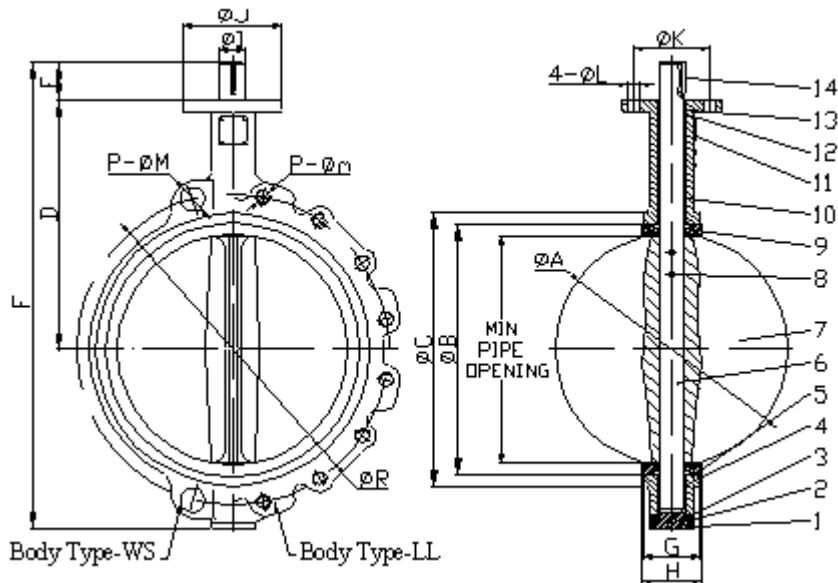
(1) Taper Pin Designed Butterfly Valve



Item	Qty	Part Name
1	2~4	Screw
2	1	Bottom
3	1	Cover
4	1	“O”Ring
5	1	Lower
6	1	Bushing
7	1	Body
8	1	Stem
9	1	Disc
10	2	Taper Pin
11	1	Seat
12	1	Mid
13	1	Bushing
14	1	Nameplate
15	2	Upper
16	1	Bushing
17	1	“O”Ring
18	1	Key

Structure and Parts List for Taper Pin Designed Butterfly Valve

Nominal Pressure: PN10/PN16/PN20



(2) Split Stem Designed Butterfly Valve

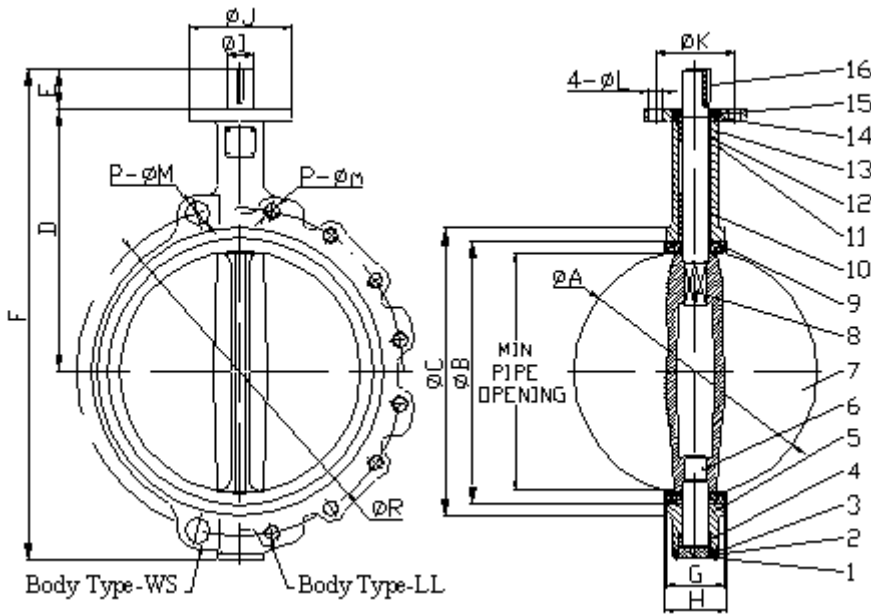
Item	Qty	Part Name
1	2~4	Screw
2	1	Screw



		Bottom
		Cover
3	1	"O"Ring
4	1	Lower
		Bushing
5	1	Body
6	1	Lower Stem
7	1	Disc
8	2	Upper Stem
9	1	Seat
10	1	Mid
		Bushing
11	1	Nameplate
12	2	Upper
		Bushing
13	1	"O" Ring
14	4	Screw
15	1	Stem
		Retainer
16	1	Key

Structure and Parts List for Split Stem Designed Butterfly Valve

Nominal Pressure: PN10/PN16



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

Outline Dimensions for DN350-DN600 Butterfly Valve

Valve Size		A	Min	B	C	D	E		
Inch	mm						PN10	PN16	PN20
14	350	333.3	322.0	375.1	405	368	45.0	45.0	45.0
16	400	389.6	379.1	439.5	470	400	51.2	72.0	72.0
18	450	440.5	426.8	490.5	521	422	51.2	72.0	72.0
20	500	491.6	472.7	535.4	565	480	64.2	82.0	82.0
24	600	592.5	571.6	654.0	693	562	70.2	82.0	82.0

Valve Size		F			G	H	I		
Inch	mm	PN10	PN16	PN20			PN10	PN16	PN20
14	350	680.0	680.0	680.0	76.5	79.5	31.6	31.6	42.9
16	400	759.8	780.6	780.6	85.7	90.0	33.2	38.0	50.6
18	450	800.8	821.6	821.6	104.6	109.0	38.0	42.9	54.0
20	500	898.2	916.0	916.0	130.3	135.0	41.1	45.7	63.4
24	600	1090.9	1102.7	1102.7	151.4	156.0	50.6	54.0	75.0

Valve Size		J	K	L	P	m	M	R
Inch	mm							
14	350	140	102	12	16	M20	23	460
16	400	197	140	18	16	M24	28	515
18	450	197	140	18	20	M24	28	565
20	500	197	140	18	20	M24	28	620
24	600	276	165	22	20	M27	31	725

Note: Dimensions for mounting flange above mentioned conform BS4504 PN10, and top mounting conform to ISO5211. When required, standards from other countries or any special requirements are also available.

Weight of Butterfly Valve DN350-DN600

Valve Size		PN10		PN16		PN20	
Inch	mm	WS	LL	WS	LL	WS	LL
14	350	41.3	56.0	41.3	56.0	53.9	68.6
16	400	61.3	96.0	63.0	97.7	76.7	111.4
18	450	78.9	122.0	80.7	123.8	95.9	139.0
20	500	128.1	202.0	129.8	203.7	147.1	221.0
24	600	188.1	270.0	191.6	273.5	222.8	304.7