

DN40-DN300 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.

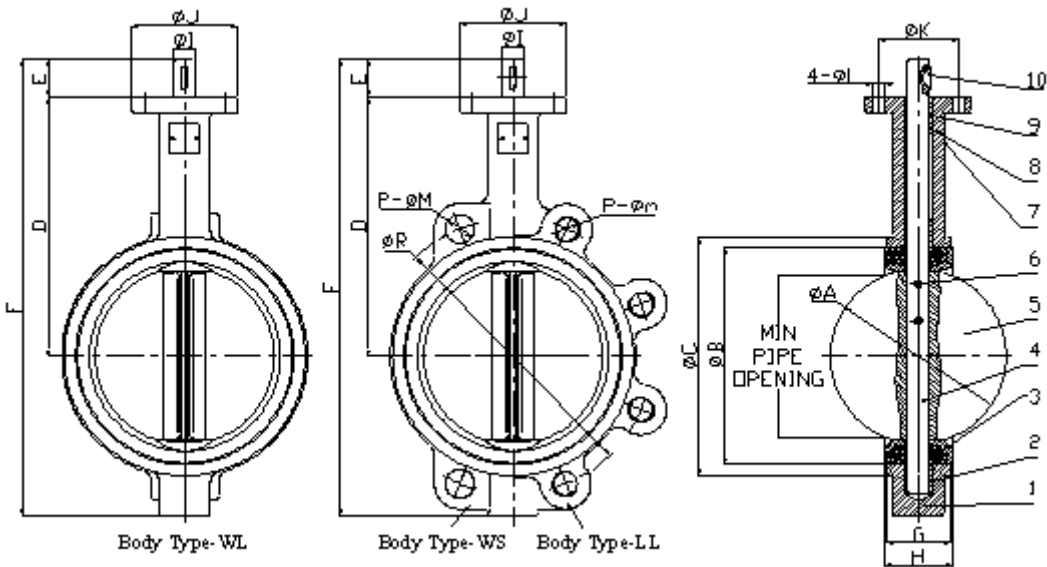
(1) Taper Pin Designed Butterfly Valve DN40-DN300



Item	Qty	Part Name
1	1	Body
2	2	Long Bushing
3	1	Seat
4	1	Stem
5	1	Disc
6	1~2	Taper pin
7	1	Nameplate
8	2	Short Bushing
9	1	“O” Ring
10	1	Key

Structure and Parts List for Taper Pin Designed Butterfly Valve DN40-DN300

Nominal Pressure:PN10/PN16/PN20



(2) Split Stem Designed Butterfly Valve DN40-DN300

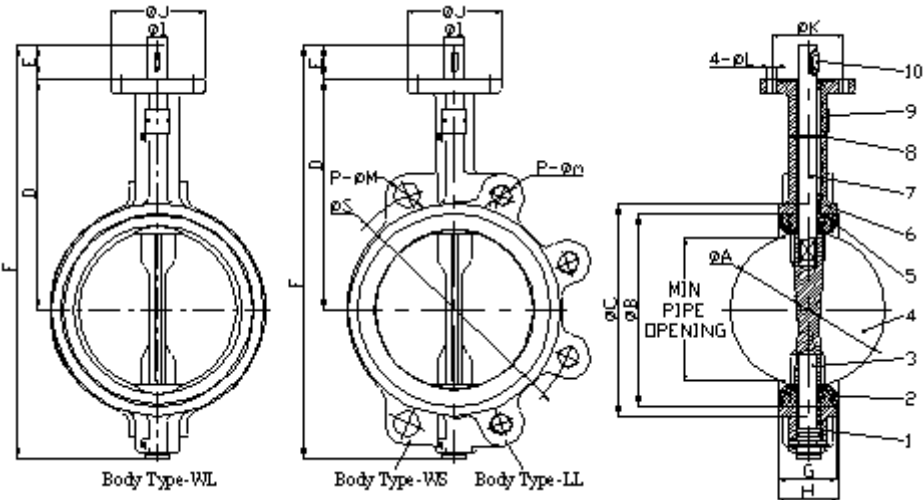
Item	Qty	Part Name
1	1	Body
2	1	Seat
3	1	Lower Stem
4	1	Disc



5	5	Short
		Bushing
6	3	"O" Ring
7	1	Upper Stem
8	2	Roll Pin
9	1	Nameplate
10	1	Key

Structure and Parts List for Split Stem Designed Butterfly Valve DN40-DN300

Nominal Pressure: PN10/PN16



(3) Throughout Stem without Pin Butterfly Valve DN40-DN300



Item	Qty	Part Name
1	1	Body
2	1	Lower Stem
3	1	Seat
4	1	Stem
5	1	Disc
6	3	Short Bushing
7	1	"O" Ring
8	1	Roll Pin
9	1	Nameplate
10	1	Key

Structure and Parts List for Throughout Stem without Pin Butterfly Valve DN40-DN300

Nominal Pressure: PN10/PN16



NBR
WRR
VITON
HRR
PTFE

Valve Size	Inch mm	G	H	I	J	K	L	P	m	M	R
1 1/2	40	33.0	35.0	12.6	77	50	7	4	M16	19	110
2	50	42.0	45.0	12.6	77	50	7	4	M16	19	125
2 1/2	65	44.7	47.6	12.6	77	50	7	4	M16	19	145
3	80	45.2	49.0	12.6	77	50	7	8	M16	19	160
4	100	52.1	54.7	15.8	92	70	10	8	M16	19	180
5	125	54.4	58.0	18.9	92	70	10	8	M16	19	210
6	150	55.8	58.6	18.9	92	70	10	8	M20	23	240
8	200	60.6	63.4	22.1	125	102	12	8	M20	23	295

10	250	65.6	70.0	28.5	125	102	12	12	M20	23	350
12	300	76.9	80.1	31.6	140	102	12	12	M20	23	400

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 for DN40-DN300 Butterfly Valves

Valve Size		PN10/PN16 (Based on different type of body)						PN20 (Based on different type of body)					
Inch	mm	WL	WLs	WS	WSs	LL	LLs	WL	WLs	WS	WSs	LL	LLs
1													
1/2	40	2.0	1.7	2.2	1.8	3.3	2.8	2.0	1.7	2.2	1.8	3.3	2.8
2	50	2.3	2.0	2.5	2.2	3.8	3.2	2.3	2.0	2.5	2.2	3.8	3.2
2													
1/2	65	3.0	2.6	3.2	3.0	4.2	4.0	3.0	2.6	3.2	3.0	4.2	4.0
3	80	3.4	2.8	3.6	3.4	4.7	4.2	3.4	2.8	3.6	3.4	4.7	4.2
4	100	4.7	4.5	4.9	4.6	8.5	7.2	4.7	4.5	4.9	4.6	8.5	7.2
5	125	6.8	6.5	7.0	7.3	10.9	9.7	6.8	6.5	7.0	7.3	10.9	9.7
6	150	7.7	7.4	7.8	7.6	14.2	12.4	9.7	9.4	9.8	9.6	16.2	11.4
8	200	13.2	13.0	13.2	13.1	19.5	18.8	16.3	16.1	16.3	16.2	22.6	21.9
10	250	20.6	19.5	21.0	19.0	32.0	29.0	26.1	25.0	26.5	24.5	37.5	34.5
12	300	28.2	24.9	32.5	29.2	40.0	36.7	34.9	31.6	39.2	35.9	46.7	43.4