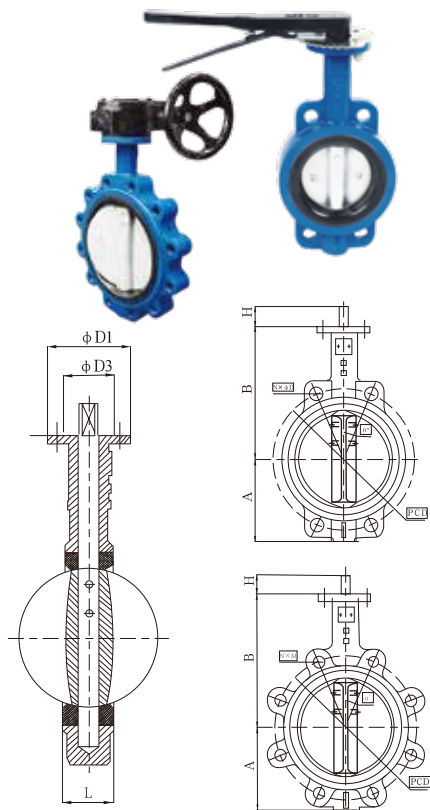


PN10/16 Wafer and Lug Type Butterfly Valve with Pin



Specifications

Basic standard
- Face to face: ISO 5752/ API609/ DIN 3202 - Flange end: BS 10 Table D/Table E, DIN 2501 PN10/PN16, JIS 2220 5K/10K, BS 4504 PN10/PN16, ASME B16.1 Class 125 & B16.42 Class 150, ISO 7005-2 PN10/PN16
Feature
- Nominal pressure (MPa): 1.0/1.6 - Seal test(water): 1.1/1.76MPa - Shell test(water): 1.5/2.4MPa

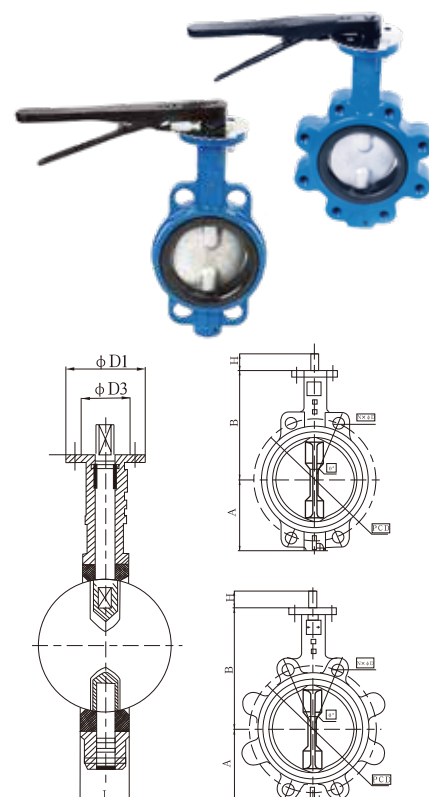
Main parts and materials

Part Name	Material
Body	Cast Iron/Ductile Iron
Disc	Ductile Iron/SS304/SS316
O Ring	NBR/EPDM/PTFE
Stem	SS420/304/316

Dimensions

Size	DIM	A	B	L	$\phi D1$	$\phi D3$	H
							PN10 PN16
DN40 (1.5")	69	136	32	42.04	65	35.25	32
DN50 (2")	80	161	42.04	65	35.25	32	32
DN65 (2.5")	89	175	44.68	65	35.25	32	32
DN80 (3")	95	181	45.21	65	35.25	32	32
DN100 (4")	114	200	52.07	90	55.25	32	32
DN125 (5")	127	213	54.36	90	55.25	32	32
DN150 (6")	139	226	55.75	90	55.25	32	32
DN200 (8")	175	260	60.58	125	70.25	40	40
DN250 (10")	203	292	65.63	125	70.25	40	40
DN300 (12")	242	337	76.9	125	70.25	40	40

PN10/16 Split-shaft Pinless Wafer and Lug Type Butterfly Valve



Specifications

Basic standard
- Face to face: ISO 5752/ API609/ DIN 3202 - Flange end: BS 10 Table D/Table E, DIN 2501 PN10/PN16, JIS 2220 5K/10K, BS 4504 PN10/PN16, ASME B16.1 Class 125 & B16.42 Class 150, ISO 7005-2 PN10/PN16
Feature
- Nominal pressure (MPa): 1.0/1.6 - Seal test(water): 1.1/1.76MPa - Shell test(water): 1.5/2.4MPa

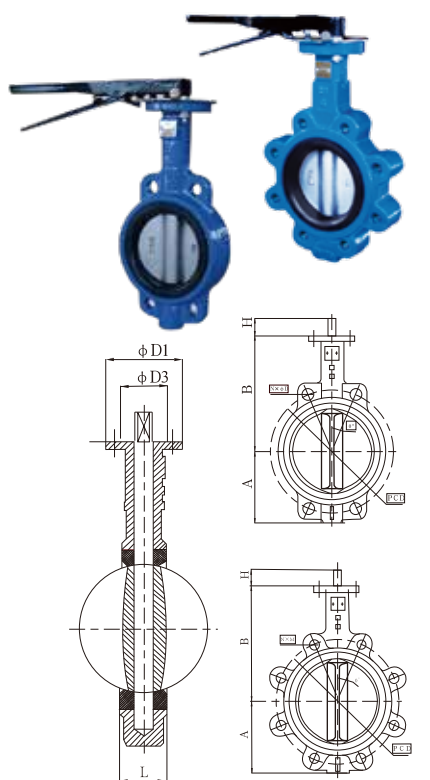
Main parts and materials

Part Name	Material
Body	Cast Iron/Ductile Iron
Disc	Ductile Iron/Stainless Steel
Stem	Stainless Steel
Seat	EPDM/NBR/VITON/PTFE

Dimensions

Size	DIM	A	B	L	$\phi D1$	$\phi D3$	H
DN40 (1.5")	69	136	32	42.04	65	35.25	32
DN50 (2")	80	156	42.04	65	35.25	32	32
DN65 (2.5")	89	162	44.68	65	35.25	32	32
DN80 (3")	95	170	45.21	65	35.25	32	32
DN100 (4")	114	185	52.07	90	55.25	32	32
DN125 (5")	127	207	54.36	90	55.25	32	32
DN150 (6")	139	216	55.75	90	55.25	32	32
DN200 (8")	175	256	60.58	125	70.25	40	40
DN250 (10")	203	248	65.63	125	70.25	40	40
DN300 (12")	242	280	76.9	125	70.25	40	40

PN10/16 Pinless Wafer and Lug Type Butterfly Valve



Specifications

Basic standard
- Face to face: ISO 5752/ API609/ DIN 3202 - Flange end: BS 10 Table D/Table E, DIN 2501 PN10/PN16, JIS 2220 5K/10K, BS 4504 PN10/PN16, ASME B16.1 Class 125 & B16.42 Class 150, ISO 7005-2 PN10/PN16
Feature
- Nominal pressure (MPa): 1.0/1.6 - Seal test(water): 1.1/1.76MPa - Shell test(water): 1.5/2.4MPa

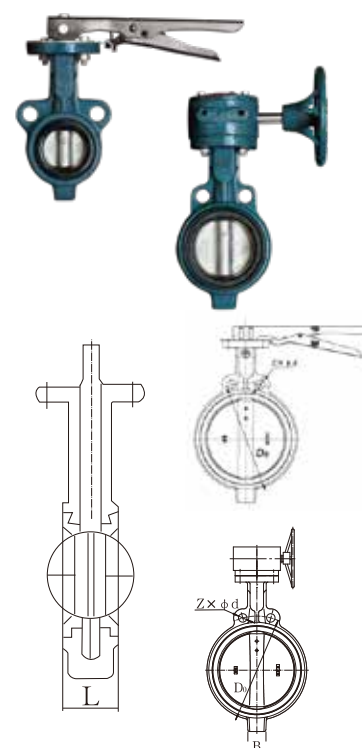
Main parts and materials

Part Name	Material
Body	Cast Iron/Ductile Iron
Disc	Ductile Iron/Stainless Steel
Stem	Stainless Steel
Seat	EPDM/NBR/VITON/PTFE

Dimensions

Size	DN	A	B	L	$\phi D1$	$\phi D3$	H
DN40 (1.5")	69	136	32	42.04	65	35.25	32
DN50 (2")	80	161	42.04	65	35.25	32	32
DN65 (2.5")	89	175	44.68	65	35.25	32	32
DN80 (3")	95	181	45.21	65	35.25	32	32
DN100 (4")	114	200	52.07	90	55.25	32	32
DN125 (5")	127	213	54.36	90	55.25	32	32
DN150 (6")	139	226	55.75	90	55.25	32	32
DN200 (8")	175	260	60.58	125	70.25	40	40
DN250 (10")	203	292	65.63	125	70.25	40	40
DN300 (12")	242	337	76.9	125	70.25	40	40

10K Wafer Butterfly Valve



Specifications

Basic standard
- Design and manufacture: KS B 2813 - Face to Face: KS B 2306 - Flange end: KS B 1511 - Inspection: KS B 2304
Feature
- Nominal pressure : 10K - Seal test(water): 1.1MPa - Shell test(water): 1.5MPa

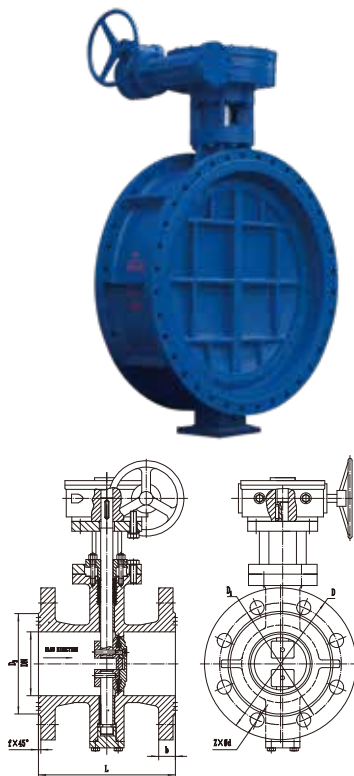
Main parts and materials

Part Name	Material
Body/Bonnet	Cast Iron
Disc	Stainless Steel
Stem	Stainless Steel
Seat Ring	EPDM/NBR

Dimensions

DN	L	Zx ϕd	D0
50	43	2x $\phi 19$	120
65	46	2x $\phi 19$	140
80	46	2x $\phi 19$	150
100	52	2x $\phi 19$	175
125	56	2x $\phi 23$	210
150	56	2x $\phi 23$	240
200	60	2x $\phi 23$	290
250	68	2x $\phi 25$	355
300	78	2x $\phi 25$	400
350	78	2x $\phi 25$	445

PN10/16 Flanged Double Eccentric Butterfly Valve



Specifications

Basic standard
- Design and manufacture: BS 5155 - Face to face: BS EN 588-1 series 14 - Flange end: BS 1092
Feature
- Nominal pressure (MPa): 1.0 - Seal test(water): 1.1MPa - Shell test(water): 1.5MPa - Suitable temperature: -10~80 °C - Suitable medium: water

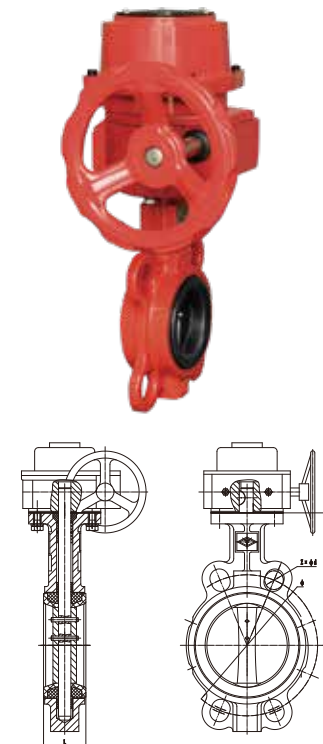
Main parts and materials

Part Name	Material
Body	Cast Iron/Ductile
Disc	Ductile Iron/SS304/SS316
O Ring	NBR/EPDM/PTFE
Stem	SS420/304/316

Dimensions

DN	L	D	D1	D2	b-f	Z-Φd
80	180±2	200	160	132	22-3	8-Φ19
100	190±2	220	180	156	24-3	8-Φ19
125	200±2	250	210	184	26-3	8-Φ19
150	210±2	285	240	211	28-3	8-Φ23
200	230±2	340	295	266	28-3	8-Φ23
250	250±2	395	350	319	28-3	12-Φ23
300	270±3	445	400	370	28-3	12-Φ23
350	290±3	505	460	429	30-4	16-Φ23
400	310±3	565	515	480	32-4	16-Φ28
450	330±3	615	565	530	32-4	20-Φ28
500	350±3	670	620	585	34-4	20-Φ28
600	390±4	780	725	682	36-5	20-Φ31
700	430±4	895	840	794	40-5	24-Φ31
800	470±4	1015	950	901	44-5	24-Φ34
900	510±4	1115	1050	1005	46-5	28-Φ34
1000	550±5	1230	1160	1112	50-5	28-Φ37
1200	470±6	1455	1380	1328	56-5	32-Φ40
1400	530±6	1675	1590	1530	62-5	36-Φ43
1600	600±6	1915	1820	1750	68-5	40-Φ49

PN10/16 Fire Control Signal Butterfly Valve



Specifications

Basic standard
Flange end: BS4504
Feature
- Nominal pressure (MPa): 1.0/1.6 - Shell test: 1.5/2.4MPa - Seal test: 1.1/1.8MPa - Suitable temperature: ≤80 °C - Suitable medium: water

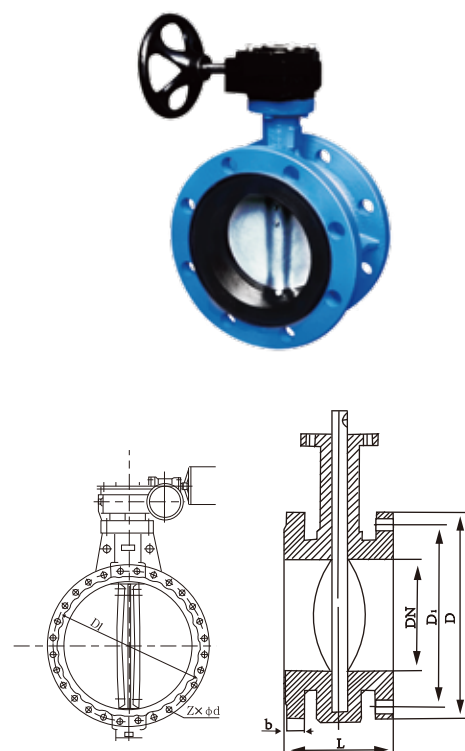
Main parts and materials

Part Name	Material
Body	Cast Iron/ Ductile Iron
Disc	Ductile Iron/ Stainless steel
Stem	Stainless steel
Seat	EPDM/NBR/PTFE/VITON

Dimensions

DN	L	Φ		Z-Φd		H
		10	16	10	16	
50	43	Φ125		4-Φ19		121
65	46	Φ145		4-Φ19		130
80	46	Φ160		4-Φ19		151
100	52	Φ180		4-Φ19		169
125	56	Φ210		4-Φ19		188
150	56	Φ240		4-Φ23		200
200	60	Φ295		4-Φ23		241
250	68	Φ350	Φ355	4-Φ23	4-Φ28	275
300	78	Φ400	Φ410	4-Φ23	4-Φ28	314

PN10/16 Flanged Center Line Butterfly Valve



Specifications

Basic standard
- Face to face: GB12221-89/ANSI B16.1/JISB2002 - Flange end:GB4216.4-84/GB9113.3-88/ANSI B16.5/JIS B2212 - Test:GB/T13927-92/API598
Feature
- Nominal pressure :1.0~1.6, 150Lb, 10K - Seal test(water): 1.1-1.76 MPa - Shell test(water): 1.5-2.4MPa

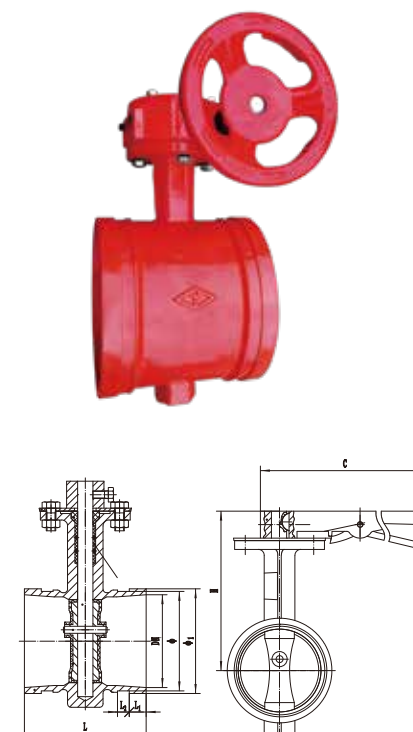
Main parts and materials

Part Name	Material
Body	Cast Iron/Ductile Iron
Disc	Ductile Iron/Stainless Steel
Stem	Stainless Steel
Seat	EPDM/NBR/VITON/PTFE

Dimensions

DN	L	ZxΦd		D1
50	111	4xΦ18		125
65	115	4xΦ18		145
80	118	8xΦ18		160
100	131.5	8xΦ18		180
125	144.5	8xΦ18		210
150	145.5	8xΦ23		240
200	158	8xΦ23	12xΦ23	295
250	171	12xΦ23	12xΦ28	350 355
300	184	12xΦ23	12xΦ28	400 410
350	197	16xΦ23	16xΦ28	460 470
400	224	16xΦ28	16xΦ31	515 525
450	230.8	20xΦ28	20xΦ31	565 585
500	235.5	20xΦ28	20xΦ34	620 650
600	272.5	20xΦ31	20xΦ37	725 770
700	300 292	24xΦ31	24xΦ37	840 840
800	326 318	24xΦ34	28xΦ40	950 950

PN10/16 Grooved Butterfly Valve



Specifications

Feature
- Nominal pressure (MPa): 1.6 - Shell test(water): 2.4MPa - Seal test(gas): 0.6MPa - Seal test(water): 1.76MPa - Suitable temperature: ≤ 80 °C - Suitable medium: water - Butterfly plate corner: 90°

Main parts and materials

Part Name	Material
Body	Ductile iron
Disc	Ductile iron/SS
Stem	SS
Handle	Steel
Seat	EPDM/NBR/VITON/PTFE

Dimensions

DN	L	L1	L2	Φ	Φ1	H	C
65	103±2	14.5 ^{+0.5} _{-0.5}	9.5 ^{+0.5} _{-0.5}	Φ71.6	Φ76	178	200
80	103±2	14.5 ^{+0.5} _{-0.5}	9.5 ^{+0.5} _{-0.5}	Φ84.6	Φ89	202	245
100	118±2	16 ^{+0.5} _{-0.5}	9.5 ^{+0.5} _{-0.5}	Φ109.6	Φ114	222	280
125	128±2	16 ^{+0.5} _{-0.5}	9.5 ^{+0.5} _{-0.5}	Φ135.6	Φ140	233	280
150	150±2	16 ^{+0.5} _{-0.5}	9.5 ^{+0.5} _{-0.5}	Φ160.6	Φ165	257	280
200	188±2	19 ^{+0.5} _{-0.5}	13 ^{+0.5} _{-0.5}	Φ214	Φ219	295	320