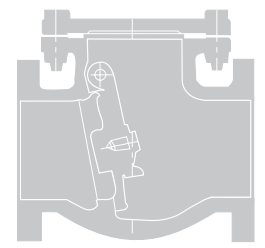
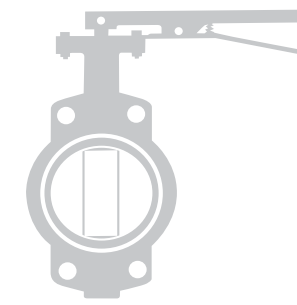
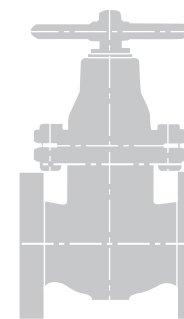
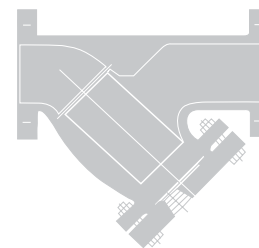
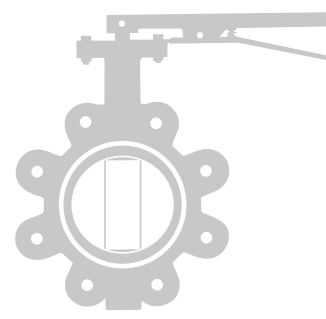
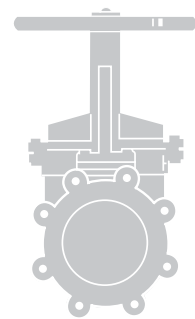




Cast Iron Valves



MAXVALUE INDUSTRIES CO.,LTD.

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 **MAXVALUE INDUSTRIES CO., LTD.**

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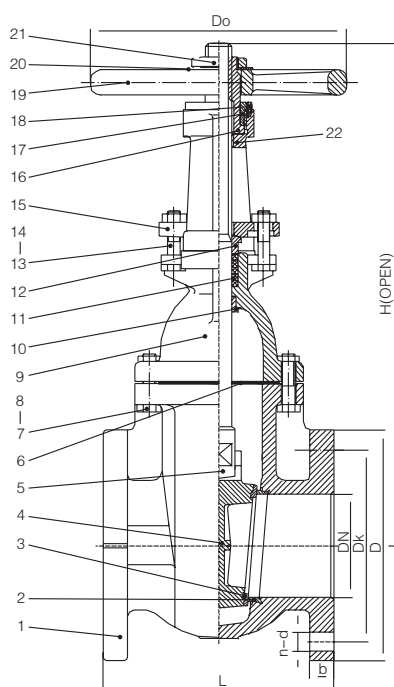
CLASS 125 RISING STEM SOLID WEDGE GATE VALVE



- Design conforms to MSS SP-70.
- Face to face dimension conforms to ANSI B16.10.
- Flange drilling conforms to ANSI B16.1.

MATERIAL OF MAIN PARTS

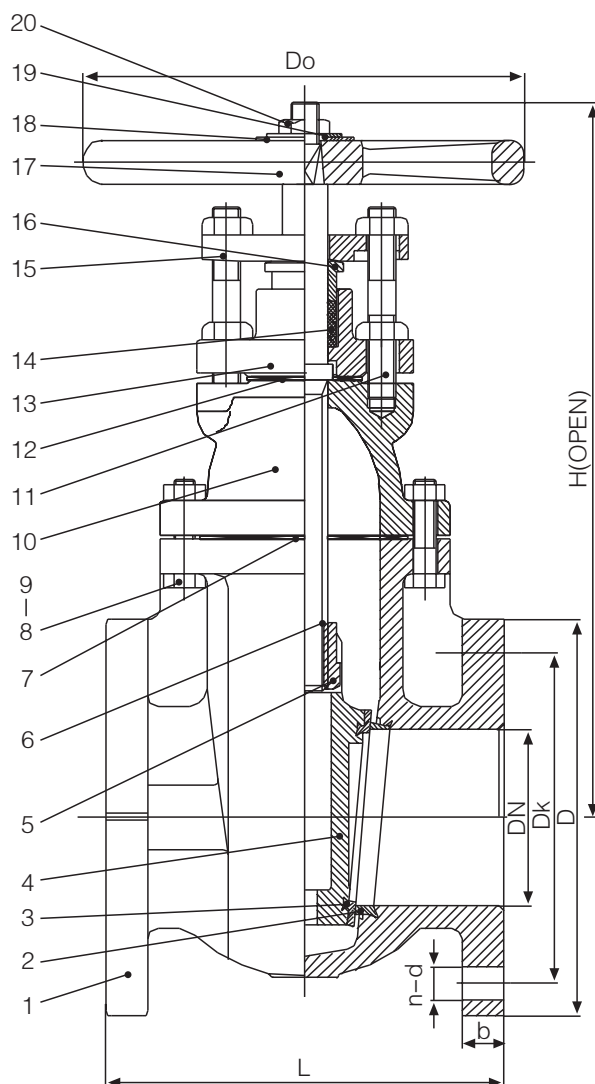
NO.	Part	Material	USA Standard
1	Body	Cast Iron	ASTM A126 CLASS B
2	Seat Rings	Cast Bronze	ASTM B62
3	Wedge Face Rings	Cast Bronze	ASTM B62
4	Wedge	Cast Iron	ASTM A126 CLASS B
5	Stem	Brass	ASTM B16
6	Body Gasket	Graphite	NON ASBESTOS
7	Bolts	Steel	ASTM A307 B
8	Nuts	Steel	ASTM A307 B
9	Bonnet	Cast Iron	ASTM A126 CLASS B
10	Back Seat Bushing	Cast Brass	ASTM B584
11	Packing	Graphite	NON ASBESTOS
12	Packing Gland	Cast Brass	ASTM B584
13	Gland Follower Bolts	Steel	ASTM A307 B
14	Gland Follower Nuts	Steel	ASTM A307 B
15	Gland Follower	Ductile Iron	ASTM A536 65-45-12
16	Yoke Bushing	Cast Bronze	ASTM B62
17	Yoke Bushing Nut	Cast Iron	ASTM A126 CLASS B
18	Screw	Steel	ASTM A307 B
19	Handwheel	Cast Iron	ASTM A126 CLASS B
20	Identification Plate	Aluminium	
21	Handwheel Nut	Ductile Iron	ASTM A536 65-45-12
22	Yoke	Cast Iron	ASTM A126 CLASS B



DIMENSIONS (mm)

DN	2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"
L	178	190.5	203.2	228.6	254	266.7	292	330	356	381	406	432	457	508	610	711
Dk	121	140	152.5	190.5	215.9	241.3	298.5	362	432	476	540	578	635	749	914	1086
D	152	178	190	228.6	254	279.4	343	406	483	533	597	635	699	813	984	1168
b	15.9	17.5	19.1	23.5	23.8	25.4	28.6	30.2	31.8	35	36.6	39.7	42.9	47.6	54	60.3
n-d	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25	12-29	16-29	16-32	20-32	20-35	28-35	32-42
Do	178	178	200	254	300	300	348	400	457	508	558	610	640	762	813	813
H	380	430	485	615	700	835	1010	1220	1435	1655	1825	2020	2290	3360	3665	3920

CLASS 125 NON-RISING STEM SOLID WEDGE GATE VALVE



- Design conforms to MSS SP-70.
- Face to face dimension conforms to ANSI B16.10.
- Flange drilling conforms to ANSI B16.5.

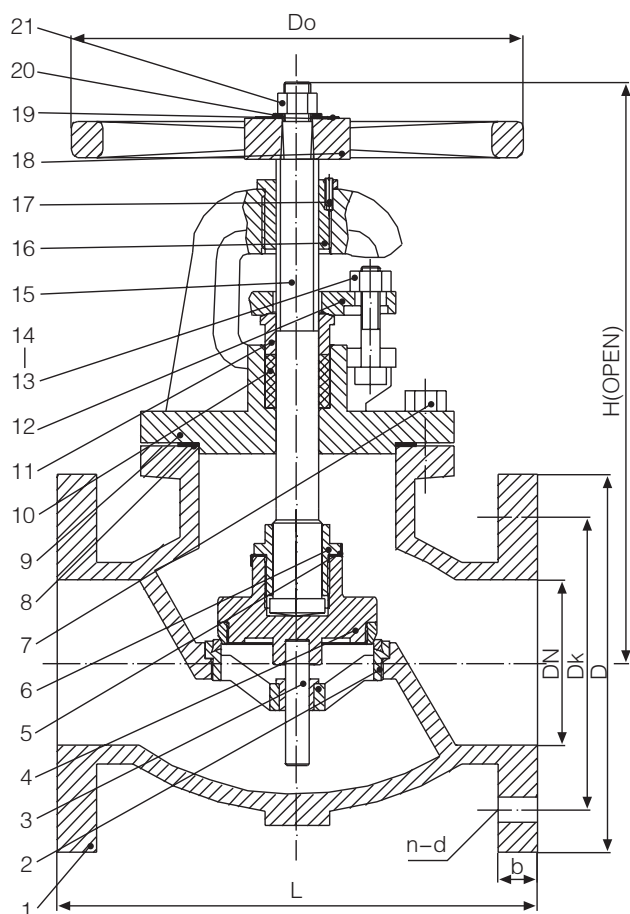
MATERIAL OF MAIN PARTS

NO.	Part	Material	USA Standard
1	Body	Cast Iron	ASTM A126 CLASS B
2	Seat Rings	Cast Bronze	ASTM B62
3	Wedge Face Rings	Cast Bronze	ASTM B62
4	Wedge	Cast Iron	ASTM A126 CLASS B
5	Wedge Nut	Cast Brass	ASTM B62
6	Stem	Brass	ASTM B16
7	Body Gasket	Graphite	NON ASBESTOS
8	Bolts	Steel	ASTM A307 B
9	Nuts	Steel	ASTM A 307 B
10	Bonnet	Cast Iron	ASTM A126 CLASS B
11	Gland Follower Bolts	Steel	ASTM A307 B
12	Suffing Box Gasket	Graphite	NON ASBESTOS
13	Suffing Box	Cast Iron	ASTM A126 CLASS B
14	Packing	Graphite	NON ASBESTOS
15	Gland Follower	Ductile Iron	ASTM A536 65-45-12
16	Packing Gland	Cast Brass	ASTM B584
17	Handwheel	Cast Iron	ASTM A126 CLASS B
18	Identification Plate	Aluminium	
19	Washer	Steel	ASTM A307 B
20	Handwheel Nut	Steel	ASTM A307 B

DIMENSIONS (mm)

DN	2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"
L	178	190.5	203.2	228.6	254	266.7	292	330	356	381	406	432	457	508	610	711
Dk	121	140	152.5	190.5	215.9	241.3	298.5	362	432	476	540	578	635	749	914	1086
D	152	178	190	228.6	254	279.4	343	406	483	533	597	635	699	813	984	1168
b	15.9	17.5	19.1	23.5	23.8	25.4	28.6	30.2	31.8	35	36.6	39.7	42.9	47.6	54	60.3
n-d	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25	12-29	16-29	16-32	20-32	20-35	28-35	32-42
Do	178	178	200	254	300	300	348	400	457	508	558	610	640	762	813	813
H	289	323	338	411	503	558	650	770	861	991	1058	1206	1276	1466	1845	2124

CLASS 125 GLOBE VALVE



- Design conforms to MSS SP-85.
- Face to face dimension conforms to ANSI B16.10.
- Flange drilling conforms to ANSI B16.1.

MATERIAL OF MAIN PARTS

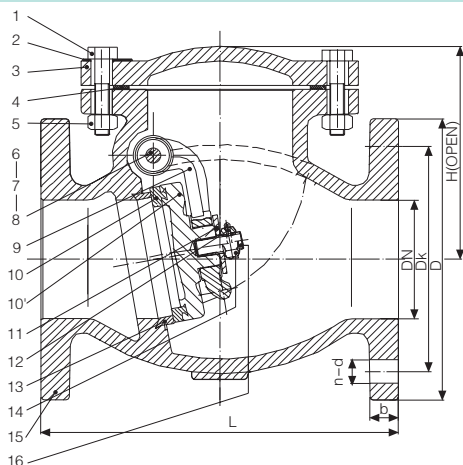
NO.	Part	Material	USA Standard
1	Bolts	Cast Iron	ASTM A126 CLASS B
2	Seat Ring	Cast Bronze	ASTM B62
3	Guide Pin	Brass	ASTM B16
4	Disc	Cast Bronze	ASTM B62
5	Gasket	Brass	ASTM B16
6	Swivel Nut	Cast Brass	ASTM B584
7	Bolts	Steel	ASTM A307 B
8	Body Gasket	Graphite	NON ASBESTOS
9	Bonnet	Cast Iron	ASTM A126 CLASS B
10	Packing	Graphite	NON ASBESTOS
11	Packing Gland	Cast Brass	ASTM B584
12	Gland Follower	Ductile Iron	ASTM A536 65-45-12
13	Gland Follower Bolts	Steel	ASTM A307 B
14	Gland Follower Nuts	Steel	ASTM A307 B
15	Stem	Brass	ASTM B16
16	Yoke Bushing	Cast Bronze	ASTM B62
17	Screw	Steel	ASTM A307 B
18	Handwheel	Cast Iron	ASTM A126 CLASS B
19	Identification Plate	Aluminium	
20	Washer	Steel	ASTM A307 B
21	Handwheel Nut	Ductile Iron	ASTM A536 65-45-12

DIMENSIONS (mm)

DN	2"	2.5"	3"	4"	5"	6"	8"	10"	12"
L	203	216	241.3	292	330	356	495.3	622	698.5
Dk	121	140	152.5	190.5	216	241	299	362	432
D	152	178	191	229	254	279.4	343	406	483
b	15.9	18	19	24	23.8	25	28.6	30.2	31.8
n-d	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25
Do	178	178	200	254	300	300	348	400	457
H	295	330	365	400	450	525	595	685	830

CLASS125 SWING CHECK VALVE

- Design conforms to MSS SP-71.
- Face to face dimension conforms to ANSI B16.10.
- Flange drilling conforms to ANSI B16.1.



MATERIAL OF MAIN PARTS

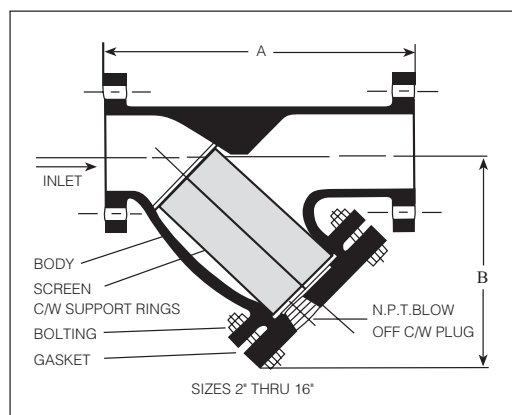
NO.	Part	Material	USA Standard
1	Bolts	Steel	ASTM A307 B
2	Identification Plate	Aluminium	
3	Bonnet	Cast Iron	ASTM A126 CLASS B
4	Body Gasket	Graphite	NON ASBESTOS
5	Nuts	Steel	ASTM A307 B
6	Side Plug	Brass	ASTM B16
7	Gasket	Fiber	
8	Hanger Pin	Brass	ASTM B16
9	Hanger	Ductile Iron	ASTM A536 65-45-12
10	Disc Ring	Cast Bronze	ASTM B62
10'	Disc	Cast Iron	ASTM A126 CLASS B
11	Washer	Steel	ASTM A307 B
12	Split Pin	Stainless Steel	ASTM 420 S42000
13	Seat Ring	Cast Bronze	ASTM B62
14	Disc Nut	Steel	ASTM A307 B
15	Body	Cast Iron	ASTM A126 CLASS B
16	Stud Bolt	Steel	ASTM A307 B

DIMENSIONS (mm)

DN	2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"
L	203.2	215.9	241.3	292	330.2	355.6	495	622	698.5	787	914
Dk	121	140	152.5	190.5	215.9	241	298.5	362	432	476	540
D	152	178	190	228.6	254	279.4	343	406.4	483	533	597
b	15.9	17.5	19	24	23.4	25.4	30	31	31.8	35	36.6
n-d	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25	12-29	16-29
H	113	133	144	168	198	217	261	287	319	443	595.5

CLASS 125 FLANGED END Y-STRAINER

DIMENSIONS (mm)



PART NAME	MATERIAL
BODY	C.I.ASTM A126 CL.B
COVER	C.I.ASTM A126 CL.B
SCREEN	S.S.AISI 304
GASKET	PTFE/GRAPHITE
PLUG	C.I.ASTM A126 CL.B

Size	A	B	Blow.off N.P.T.	Weight kgs
2	8-7/8	6	1/2	10.0
2-1/2	10-3/4	8	1	16.0
3	11-1/2	8-3/4	1	23.5
4	13-7/8	9-1/2	1	34.0
5	16-3/8	11-1/2	1-1/4	52.0
6	18-1/2	12-5/8	1-1/2	70.0
8	21-3/8	16-3/8	1-1/2	110.0
10	26	19	2	185.0
12	30	22	2	295.0
14	37-3/8	29	2	370.0
16	42-1/2	33	2	556.0

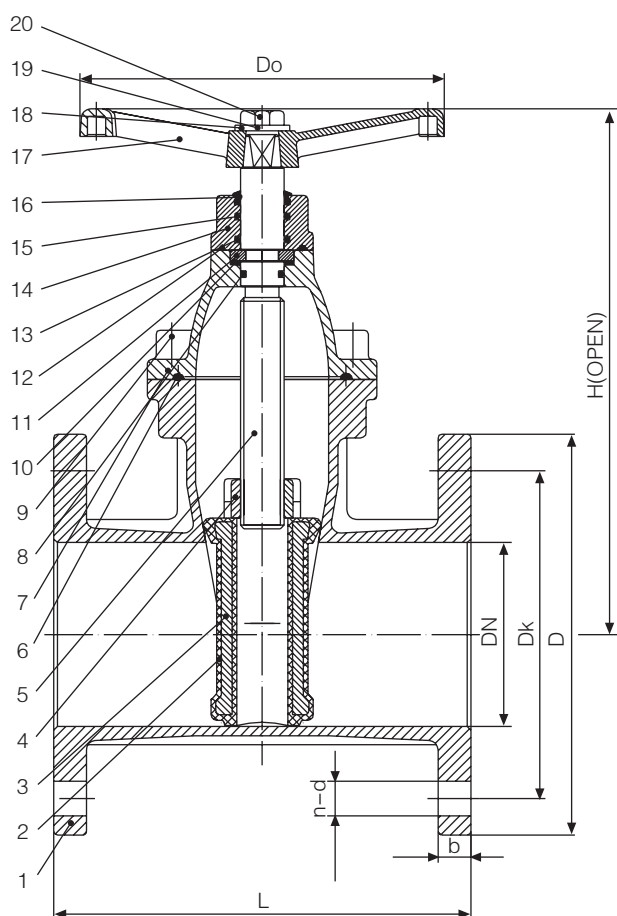
STANDARD SCREENS

Size	Opening	Std.Mesh/perf.
2" - 3"	0.045"	3/64" perf.
4" - 20"	0.125"	1/8" perf.

OPERATING PRESSURES AND TEMPERATURES

2" - 12": Steam: 125psi at 450°F
14" - 16": Steam: 125psi at 250°F
2" - 12": Water, oil Gas: 200psi at 150°F
14" - 16": Water Oil, Gas: 150psi at 150°F

CLASS 125 NON-RISING STEM RESILIENT-SEATED GATE VALVE



- Design conforms to AWWA C509.
- Face to face dimension conforms to ANSI B16.10.
- Flange drilling conforms to ANSI B16.1.

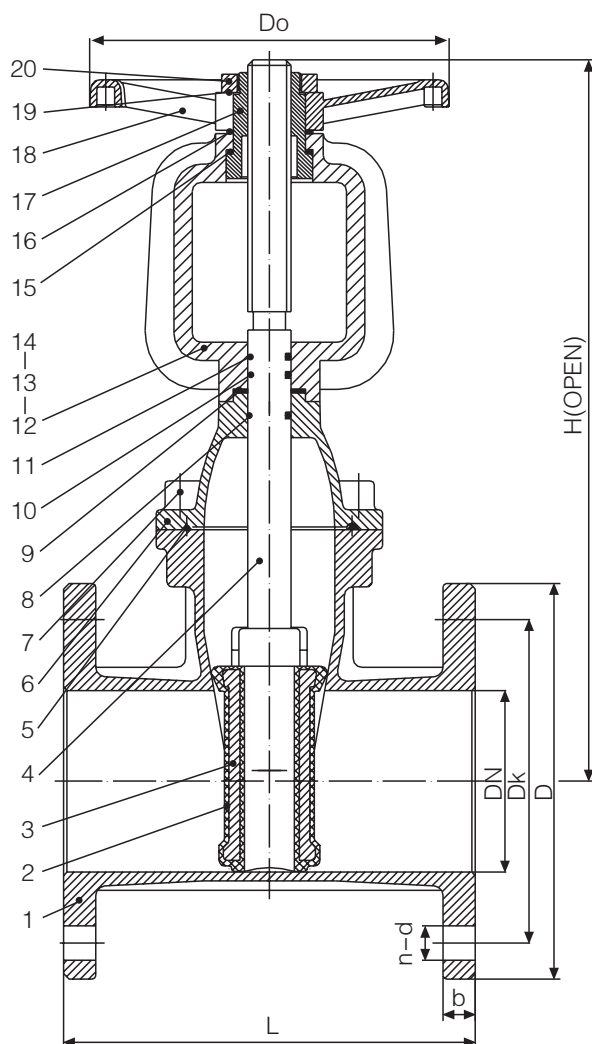
MATERIAL OF MAIN PARTS

NO.	Part	Cast Ductile Iron	
		Material	American Standard
1	Body	Ductile Iron	ASTM A536 65-45-12
2	Resilient Wedge	Ductile Iron+EPDM	ASTM A536 65-45-12 + EPDM
3	Wedge Skeleton	Ductile Iron	ASTM A536 65-45-12
4	Wedge Nut	Cast Bronze	ASTM B62
5	Stem	Stainless Steel	SS410
6	Gasket	EPDM	EPDM
7	Bonnet	Ductile Iron	ASTM A536 65-45-12
8	O-Ring	EPDM	EPDM
9	Bolts	Steel	ASTM A307 B
10	Packing Washer	PTFE	PTFE
11	Card set	Brass	ASTM B16
12	O-Ring	EPDM	EPDM
13	O-Ring	EPDM	EPDM
14	Gland Follower	Ductile Iron	ASTM A536 65-45-12
15	O-Ring	EPDM	EPDM
16	Dust Proof Cover	EPDM	EPDM
17	Handwheel	Ductile Iron	ASTM A536 65-45-12
18	Identification Plate	Aluminium	
19	Washer	Steel	ASTM A307 B
20	Bolt	Steel	ASTM A307 B

DIMENSIONS (mm)

DN	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
L	178	190	203	229	254	267	292	330	356	381	406	432	457	508
Dk	120.5	139.5	152.5	190.5	216	241.5	298.5	362	432	476	539.5	578	635	749.5
D	152	178	191	229	254	279	343	406	483	533	597	635	699	813
b	15.9	17.5	19.1	23.9	23.9	25.4	28.6	30.2	31.8	35	36.6	39.7	42.9	47.7
n-d	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25	12-29	16-29	16-32	20-32	20-35
Do	160	200	200	200	250	250	320	370	370	450	450	640	640	640
H	210	237	274	300	364	404	497	590	667	882	956	1027	1106	1258

CLASS 125 RISING STEM RESILIENT-SEATED GATE VALVE



- Design conforms to AWWA C509.
- Face to face dimension conforms to ANSI B16.10.
- Flange drilling conforms to ANSI B16.1.

MATERIAL OF MAIN PARTS

NO.	Part	Ductile Iron	
		Material	American Standard
1	Body	Ductile Iron	ASTM A536 65-45-12
2	Resilient Wedge	Ductile Iron+EPDM	ASTM A536 65-45-12 + EPDM
3	Wedge Skeleton	Ductile Iron	ASTM A536 65-45-12
4	Stem	Stainless Steel	SS410
5	Gasket	EPDM	EPDM
6	Bonnet	Ductile Iron	ASTM A536 65-45-12
7	Bolts	Steel	ASTM A307 B
8	O-Ring	EPDM	EPDM
9	Gasket	PTFE	PTFE
10	O-Ring	EPDM	EPDM
11	O-Ring	EPDM	EPDM
12	Yoke	Ductile Iron	ASTM A536 65-45-12
13	Bolts	Steel	ASTM A307 B
14	Nuts	Steel	ASTM A307 B
15	Gasket	PTFE	PTFE
16	Gasket	PTFE	PTFE
17	Yoke Bushing	Brass	ASTM B16
18	Handwheel	Ductile Iron	ASTM A536 65-45-12
19	Identification Plate	Aluminium	Aluminium
20	Handwheel Nut	Brass	ASTM B16

DIMENSIONS (mm)

DN	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
L	178	190	203	229	254	267	292	330	356	381	406	432	457	508
Dk	120.5	139.5	152.5	190.5	216	241.5	298.5	362	432	476	539.5	578	635	749.5
D	152	178	191	229	254	279	343	406	483	533	597	635	699	813
b	15.9	17.5	19.1	23.9	23.9	25.4	28.6	30.2	31.8	35	36.6	39.7	42.9	47.7
n-d	4-19	4-19	4-19	8-19	8-22	8-22	8-22	12-25	12-25	12-29	16-29	16-32	20-32	20-35
Do	160	200	200	200	250	250	320	370	370	450	450	640	640	640
H	265	317	369	415	505	564	710	850	985	1235	1376	1485	1627	1897

DIN3352 NON-RISING STEM SOLID WEDGE GATE VALVE (O-RING SEALING TYPE)

TYPE: MVDZ455



- Design conforms to DIN3352.
- Face to face dimension conforms to series 14 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.
- Packing sealing type also available.

Pressure	PN10	PN16
Working Pressure	1.0MPa	1.0MPa
Shell Test Pressure	1.5MPa	1.5MPa
Seat Test Pressure	1.1MPa	1.1MPa

MATERIAL OF MAIN PARTS

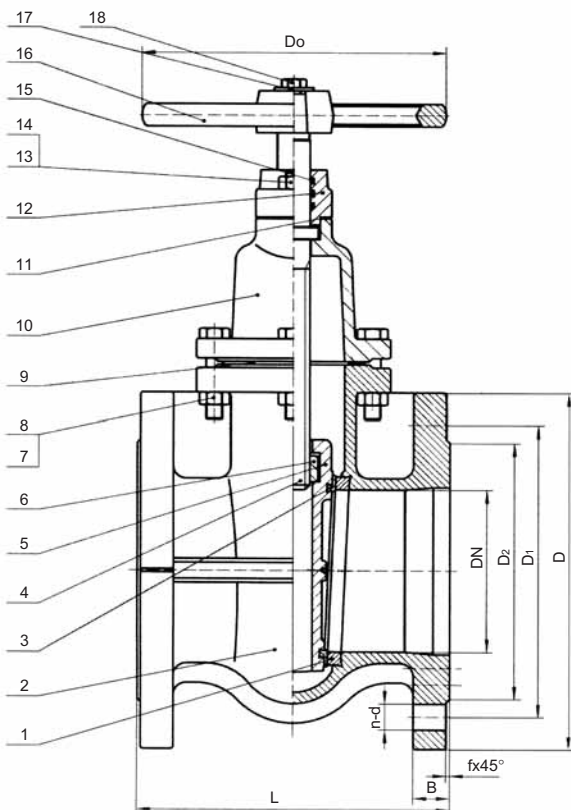
NO.	Part	Material	Germany Standard
1	Body Seat Ring	Cast Brass	DIN17656 G-CuZn37Pb
2	Body	Cast Iron	DIN1691 GG25
3	Wedge Seat Ring	Cast Brass	DIN17656 G-CuZn37Pb
4	Stem	Stainless Steel	DIN17440 X20Cr13
5	Wedge	Cast Iron	DIN1691 GG25
6	Stem nut	Cast Brass	
7	Bolt	Steel	DIN17100 RSt37-2
8	Nut	Steel	DIN17100 RSt37-2
9	Gasket	Graphite	
10	Bonnet	Cast Iron	DIN1691 GG25
11	Stuffing Box Gasket	Rubber Graphite	
12	Stuffing Box	Ductile Iron	DIN1693 GGG50
13	Bolt	Steel	DIN17100 RSt37-2
14	Nut	Steel	DIN17100 RSt37-2
15	O-ring	Nbr	
16	Handwheel	Cast Iron	DIN1691 GG25
17	Washer	Steel	DIN17100 RSt37-2
18	Bolt	Steel	DIN17100 RSt37-2

DIMENSIONS (mm) (PN10)

DN	D	D ₁	D ₂	D ₀	L	B	f	n-d
40	150	110	84	130	140	18	3	4-19
50	165	125	99	130	150	20	3	4-19
65	185	145	118	130	170	20	3	4-19
80	200	160	132	150	180	22	3	8-19
100	220	180	156	185	190	24	3	8-19
125	250	210	184	185	200	26	3	8-19
150	285	240	211	195	210	26	3	8-23
200	340	295	266	225	230	26	3	8-23
250	395	350	319	245	250	28	3	12-23
300	445	400	370	285	270	28	4	12-23

DIMENSIONS (mm) (PN16)

DN	D	D ₁	D ₂	D ₀	L	B	f	n-d
40	150	110	80	130	140	16	2	4-19
50	165	125	102	130	150	16	2	4-19
65	185	145	124	130	170	16	2	4-19
80	200	160	140	150	180	17	2	8-19
100	220	180	158	185	190	17	2	8-19
125	250	210	188	185	200	18	3	8-19
150	285	240	212	195	210	20	3	8-23
200	340	295	268	225	230	21	3	12-23
250	405	355	320	245	250	23	3	12-28
300	460	410	378	285	270	24	4	12-28



DIN3352 NON-RISING STEM SOLID WEDGE GATE VALVE

TYPE: MVDZ452

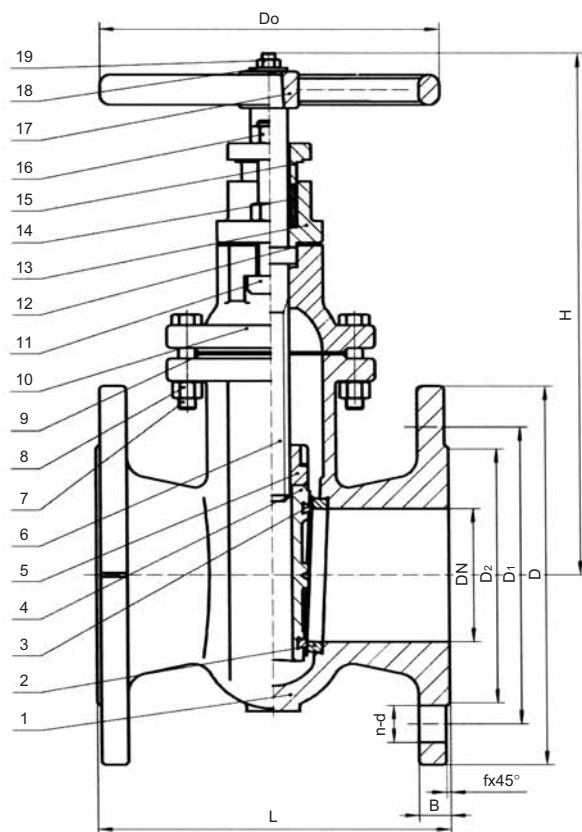


- Design conforms to DIN3352.
- Face to face dimension conforms to series 14 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.

Size	DN40-150	DN200-300	DN350-400
Working Pressure	1.0MPa	0.6MPa	0.4MPa
Shell Test Pressure	1.5MPa	0.9MPa	0.6MPa
Seat Test Pressure	1.1MPa	0.66MPa	0.44MPa

MATERIAL OF MAIN PARTS

NO.	Part	Material	Germany Standard
1	Body	Cast Iron	DIN1691 GG25
2	Body Seat Ring	Cast Brass	DIN17656 G-CuZn37Pb
3	Wedge Seat Ring	Cast Brass	DIN17656 G-CuZn37Pb
4	Wedge	Cast Iron	DIN1691 GG25
5	Stem Nut	Cast Brass	
6	Stem	Stainless Steel	DIN17440 X20Cr13
7	Bolt	Steel	DIN17100 RSt37-2
8	Nut	Steel	DIN17100 RSt37-2
9	Gasket	Graphite	
10	Bonnet	Cast Iron	DIN1691 GG25
11	T-bolt	Steel	DIN17100 RSt37-2
12	Gasket	Graphite	
13	Stuffing Box	Cast Iron	DIN1691 GG25
14	Packing	Graphite	
15	Gland Follower	Cast Iron	DIN1691 GG25
16	Nut	Steel	DIN17100 RSt37-2
17	Handwheel	Cast Iron	BS1452 Gr.180
18	Washer	Steel	BS970 43A
19	Nut	Steel	BS970 43A



DIMENSIONS (mm)

DN	D	D ₁	D ₂	D _o	L	H	B	f	n-d
40	150	110	84	160	140	271	18	3	4-19
50	165	125	99	160	150	291	20	3	4-19
65	185	145	118	160	170	321	20	3	4-19
80	200	160	132	160	180	360	22	3	8-19
100	220	180	156	200	190	378	24	3	8-19
125	250	210	184	250	200	451	26	3	8-19
150	285	240	211	250	210	489	26	3	8-23
200	340	295	266	250	230	573	26	3	8-23
250	395	350	319	320	250	708	28	3	12-23
300	445	400	370	320	270	764	28	4	12-23
350	505	460	429	400	290	870	26	4	16-23
400	565	515	480	400	310	940	28	4	16-28

DIN3352 NON-RISING STEM SOLID WEDGE GATE VALVE

TYPE: MVDZ457

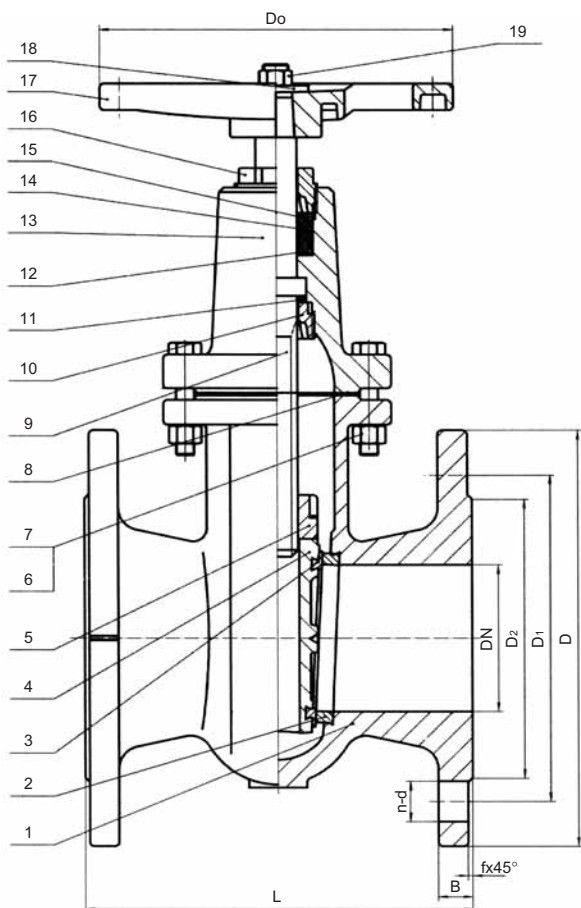


- Design conforms to DIN3352.
- Face to face dimension conforms to series 14 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.

Size	DN40-300	DN350-400
Working Pressure	1.0MPa	0.4MPa
Shell Test Pressure	1.5MPa	0.6MPa
Seat Test Pressure	1.1MPa	0.44MPa

MATERIAL OF MAIN PARTS

NO.	Part	Material	Germany Standard
1	Body	Cast Iron	DIN1691 GG25
2	Body Seat Ring	Cast Brass	DIN17656 G-CuZn37Pb
3	Wedge	Cast Iron	DIN1691 GG25
4	Wedge Seat Ring	Cast Brass	DIN17656 G-CuZn37Pb
5	Stem Nut	Cast Brass	
6	Bolt	Steel	DIN17100 RSt37-2
7	Nut	Steel	DIN17100 RSt37-2
8	Gasket	Nbr	
9	Stem	Stainless Steel	DIN17440 X20Cr13
10	Bonnet Bush	Cast Brass	DIN17656 G-CuZn37Pb
11	Stem Washer	Delrin	
12	Packing Washer	Delrin	
13	Bonnet	Cast Iron	DIN1691 GG25
14	Packing	Nbr	
15	Packing Washer	Delrin	
16	Gland Nut	Cast Brass	DIN17656 G-CuZn37Pb
17	Handlewheel	Cast Iron	DIN1691 GG25
18	Washer	Steel	DIN17100 RSt37-2
19	Nut	Steel	DIN17100 RSt37-2

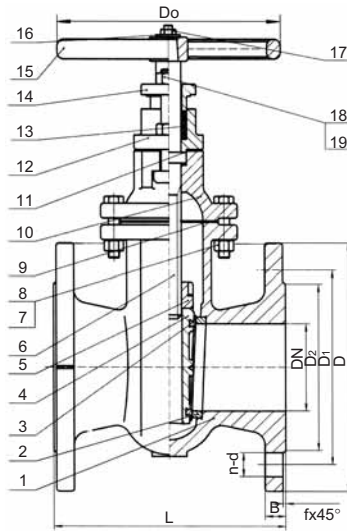


DIMENSIONS (mm)

DN	D	D1	D2	Do	L	B	f	n-d
40	150	110	84	155	140	18	3	4-19
50	165	125	102	155	150	18	3	4-19
65	185	145	122	155	170	18	3	4-19
80	200	160	138	155	180	20	3	8-19
100	220	180	158	190	190	20	3	8-19
125	250	210	188	245	200	22	3	8-19
150	285	240	212	245	210	22	3	8-23
200	340	295	266	305	230	26	3	8-23
250	395	350	319	305	250	28	3	12-23
300	445	400	370	305	270	28	4	12-23
350	505	460	430	305	290	26	4	16-23
400	565	515	482	305	310	28	4	16-28

DIN3352 NON-RISING STEM SOLID WEDGE GATE VALVE F5 SERIE

TYPE: MVDZ451



- Design conforms to DIN3352.
- Face to face dimension conforms to series 15 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.

Working Pressure	1.6MPa
Shell Test Pressure	2.4MPa
Seat Test Pressure	1.76MPa

MATERIAL OF MAIN PARTS

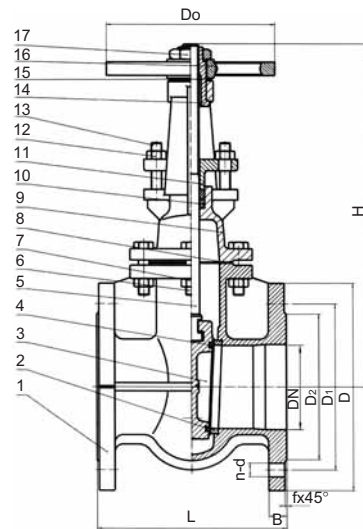
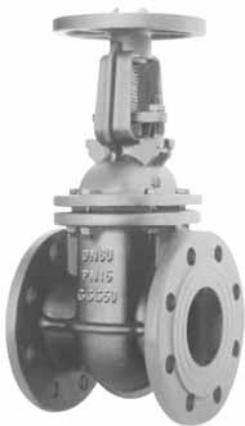
NO.	Part	Material
1	Body	Cast Iron
2	Body Seat Ring	Cast Brass
3	Wedge Seat Ring	Cast Brass
4	Wedge	Cast Iron
5	Stem Nut	Cast Brass
6	Stem	Stainless Steel
7	Bolt	Steel
8	Nut	Steel
9	Gasket	Graphite
10	Bonnet	Cast Iron
11	T-bolt	Steel
12	Gasket	Graphite
13	Stuffing Box	Cast Iron
14	Packing	Graphite
15	Gland Follower	Cast Iron
16	Nut	Steel
17	Handwheel	Cast Iron
18	Washer	Steel
19	Nut	Steel

DIMENSIONS (mm)

DN	D	D ₁	D ₂	D _o	L	B	f	n-d
40	150	110	88	160	240	18	3	4-19
50	165	125	102	160	250	20	3	4-19
65	185	145	122	160	270	20	3	4-19
80	200	160	138	160	280	22	3	8-19
100	220	180	158	200	300	24	3	8-19
125	250	210	188	250	325	26	3	8-19
150	285	240	212	250	350	26	3	8-23
200	340	295	268	250	400	30	3	12-23
250	405	355	320	320	450	32	3	12-28
300	460	410	378	320	500	32	4	12-28
350	520	470	438	400	550	36	4	16-28
400	580	525	490	400	600	38	4	16-31

DIN3352 RISING STEM SOLID WEDGE GATE VALVE

TYPE: MVDZ415



- Design conforms to DIN3352.
- Face to face dimension conforms to series 14 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.

Working Pressure	1.6MPa
Shell Test Pressure	2.4MPa
Seat Test Pressure	1.76MPa

MATERIAL OF MAIN PARTS

NO.	Part	Material
1	Body	Ductile Iron
2	Body Seat Ring	Cast Brass
3	Wedge	Ductile Iron
4	Wedge Seat Ring	Cast Brass
5	Stem	Stainless Steel
6	Bolt	Steel
7	Nut	Steel
8	Gasket	Graphite
9	Bonnet	Ductile Iron
10	Packing	Graphite
11	Gland Follower	Ductile Iron
12	Nut	Steel
13	Bolt	Steel
14	Stem Nut	Cast Brass
15	Handwheel Washer	Cast Bronze
16	Handwheel	Cast Iron
17	Handwheel Nut	Ductil Iron

DIMENSIONS (mm)

DN	D	D ₁	D ₂	D _o	L	H	B	f	n-d
40	150	110	80	160	140	244/295	16	2	4-19
50	165	125	102	160	150	254/315	16	2	4-19
65	185	145	124	160	170	294/371	16	2	4-19
80	200	160	140	160	180	331/424	17	2	8-19
100	220	180	158	200	190	385/500	17	2	8-19
125	250	210	188	200	200	457/598	18	3	8-19
150	285	240	212	250	210	545/711	20	3	8-23
200	340	295	268	250	230	683/901	21	3	12-23
250	405	355	320	320	250	823/1093	23	3	12-28
300	460	410	378	320	270	952/1273	24	4	12-28

DIN3352 PN10/16 RESILIENT-SEATED GATE VALVE

TYPE: A



F5



F4

- Design conforms to DIN3352
- Face to face dimension conforms to DIN3230
- Flange drilling conforms to DIN2501

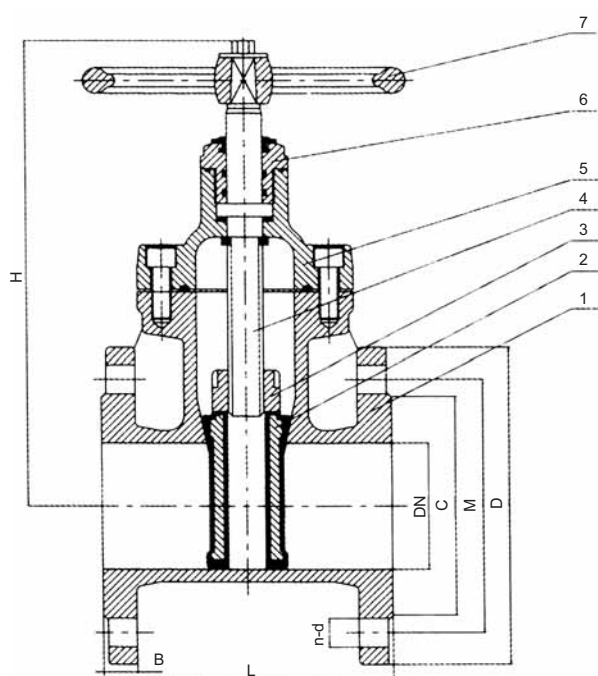
Pressure	PN10	PN16
Working Pressure	1.0MPa	1.6MPa

MATERIAL OF MAIN PARTS

NO.	Part	Material
1	Body	GGG40/GGG50
2	Wedge	GGG40/GGG50/NBR/EPDM
3	Stem Nut	BRASS/BRONZE/59-1/CZ132/5-5-5
4	Stem	2Cr13/420/304
5	Bonnet	GGG40/GGG50
6	Gland	BRASS 59-1
7	Handwheel	GGG40/GGG50

DIMENSIONS (mm)

DN	L		H	C	M	D	B	n-d
	F4	F5						
40	140	240	245	88	110	150	19	4-19
50	150	250	278	102	125	165	19	4-19
65	170	270	288	122	145	185	19	4-19
80	180	280	310	138	160	200	19	8-19
100	190	300	360	158	180	220	19	8-19
125	200	325	405	188	210	250	19	8-19
150	210	350	448	212	240	285	19	8-23
200	230	400	550	268	295	340	20	12-23
250	250	450	668	320	355	405	22	12-28
300	270	500	750	378	410	460	24.5	12-28
350	290	550	900	438	470	520	26.5	16-28
400	310	600	1030	490	525	580	28	16-31
450	330	650	1080	532	525	640	30	20-31
500	350	700	1180	610	650	715	31.5	20-34
600	390	800	1380	725	770	840	36	20-37
700	430	900	1545	793	840	910	38.5	24-37
800	470	1000	1750	900	950	1025	43	24-40
900	510	1100		1000	1050	1125	46.5	28-40
1000	550	1200		1116	1170	1255	50	24-43



DIN3352 PN10/16 RESILIENT-SEATED GATE VALVE

TYPE: B

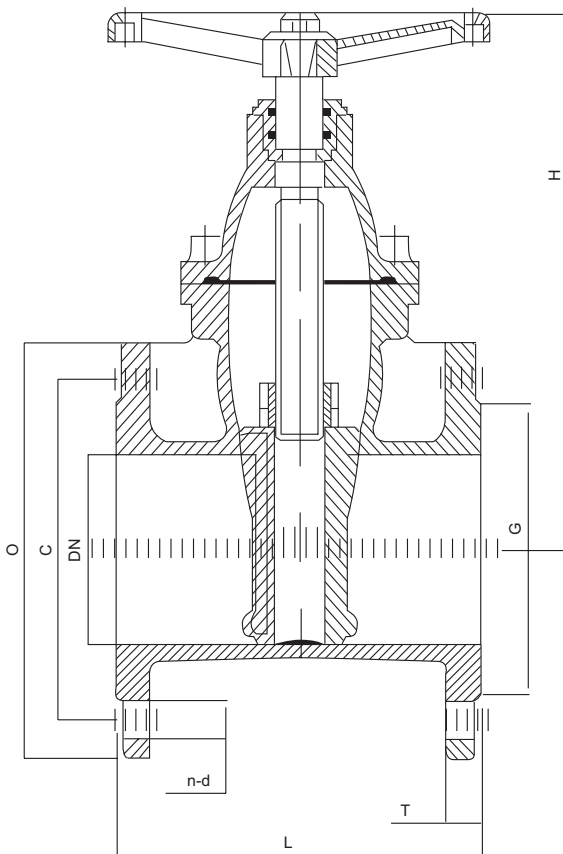


- Design conforms to DIN3352
- Face to face dimension conforms to DIN3202
- Flange drilling conforms to DIN2501

Pressure	PN10	PN16
Working Pressure	1.0MPa	1.6MPa
Shell Test Pressure	1.5MPa	2.4MPa
Seat Test Pressure	1.1MPa	1.76MPa

MATERIAL OF MAIN PARTS

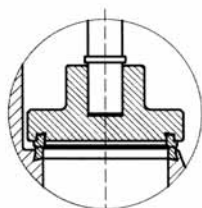
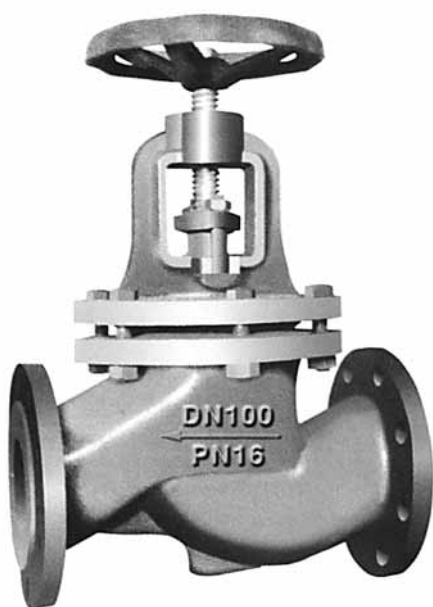
NO.	Part	Material	Germany Standard
1	Body、Bonnet	Grey Cast iron/Ductile Cast iron With Internal And Epoxy Resign Coating	HT200/QT450-10
2	Ram	Grey Cast Iron/Ductile Cast Iron With NBR EPDM Or FPM Coating	HT200/QT450-10
3	Stem	Stainless Steel	2Cr13 1Cr13
4	Stemnut、Bushing、Cock Plate	Cast Brass Or Bronze	ZCuZn33Pb2 ZCuZn38Mn2Pb2 ZCuAl10Fe3
5	Washer、O-ring	NBR EPDM or FBM	NBR EPDM FBM



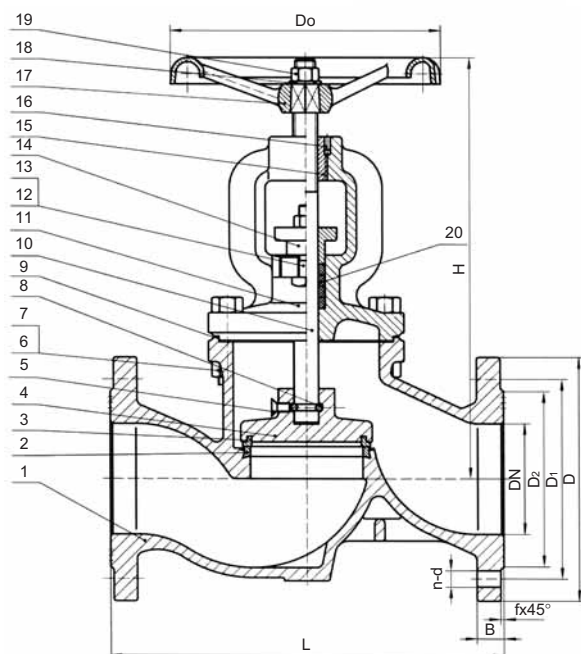
DIMENSIONS (mm)

DN	L		H	O		C		G		T	n-d	
	F ₄	F ₅		1.0MPa	1.6MPa	1.0MPa	1.6MPa	1.0MPa	1.6MPa		1.0MPa	1.6MPa
40	140	240	184	150		110		84		18	4-19	
50	150	250	195	165		125		99		19	4-19	
65	170	270	222	185		145		119		19	4-19	
80	180	280	251	200		160		133		19	8-19	
100	190	300	285	220		180		154		19	8-19	
125	200	325	340	250		210		184		19	8-19	
150	210	350	379	285		240		210		19	8-23	
200	230	400	461	340		295		295		20	8-23	12-23
250	250	450	559	405		350	355	319		22	12-23	12-28
300	270	500	639	460		400	410	370		24.5	12-23	12-28
350	290	550	762	520		460	470	429		26.5	16-23	16-28
400	310	600	836	580		515	525	480		28	16-28	16-31
450	330	650	957	615	640	565	585	530	548	30	20-28	20-31
500	350	700	1036	670	715	620	650	582	609	31.5	20-28	20-34
600	390	800	1188	780	840	725	770	682	720	36	20-31	20-37

DIN PN16 GLOBE VALVE



SDNR



- Design conforms to DIN3356.
- Face to face dimension conforms to series 1 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.

Working Pressure	1.6MPa
Shell Test Pressure	2.4MPa
Seat Test Pressure	1.76MPa

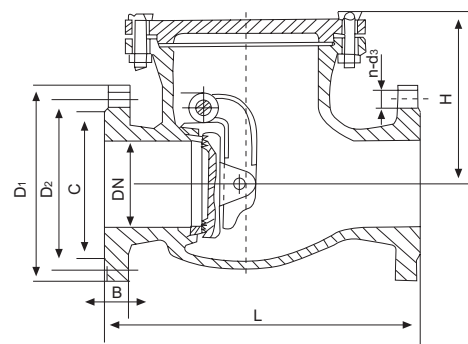
MATERIAL OF MAIN PARTS

NO.	Part	Material	Germany Standard
1	Body	Cast Iron	DIN1691 GG25
2	Body Seat Ring	Stainless Steel	DIN17440 X20Cr13
3	Disc Seat Ring	Stainless Steel	DIN17440 X20Cr13
4	Disc	Cast Iron	DIN1691 GG25
5	Screw	Steel	DIN17100 RSt37-2
6	Nut	Steel	DIN17100 RSt37-2
7	Bolt	Steel	DIN17100 RSt37-2
8	Steel Ball	Steel	DIN17230 100Cr6
9	Gasket	Graphite	
10	Stem	Stainless Steel	DIN17440 X20Cr13
11	Bonnet	Cast Iron	DIN1691 GG25
12	Bolt	Steel	DIN17100 RSt37-2
13	Nut	Steel	DIN17100 RSt37-2
14	Gland Follower	Ductile Iron	DIN1693 GGG50
15	Stem Nut	Cast Brass	
16	Screw	Steel	DIN17100 RSt37-2
17	Handwheel	Cast Iron	DIN1691 GG25
18	Washer	Steel	DIN17100 RSt37-2
19	Nut	Steel	DIN17100 RSt37-2
20	Packing	Graphite	

DIMENSIONS (mm)

DN	D	D ₁	D ₂	Do	L	H	B	f	n-d
15	95	65	46	100	130	161.5	14	2	4-14
20	105	75	56	100	150	169	16	2	4-14
25	115	85	65	120	160	187	16	3	4-14
30	140	100	76	120	180	223	18	3	4-19
40	150	110	84	140	200	233.5	18	3	4-19
50	165	125	99	140	230	261.5	20	3	4-19
65	185	145	118	200	290	293	20	3	4-19
80	200	160	132	200	310	341	22	3	8-19
100	220	180	156	240	350	381	24	3	8-19
125	250	210	184	280	400	419	26	3	8-19
150	285	240	211	315	480	485	26	3	8-23
200	340	295	266	360	600	569	30	3	12-23
250	405	355	319	400	730	634	32	3	12-28
300	460	410	370	400	850	801	32	4	12-28

DIN PN10/16 SWING CHECK VALVE



DIMENSIONS (mm)

DN	PN	D ₁	D ₂	C	L	B	H	n-d ₃
40	10	150	110	88	180	18	120	4-18
50		165	125	102	200	20	135	4-18
65		185	145	122	240	20	150	4-18
80		200	160	138	260	22	170	8-18
100		220	180	158	300	24	188	8-18
125	10	250	210	188	350	24	200	8-18
150		285	240	212	400	24	220	8-22
200		340	295	268	500	26	265	8-22
250		395	350	320	600	28	310	12-22
300		445	400	370	700	28	335	12-22
200	16	340	295	268	500	26	265	12-22
250		405	355	320	600	32	310	12-26
300		460	410	370	700	32	335	12-26

- Design conforms to DIN3202
- Flange drilling conforms to DIN2501

Pressure	PN10	PN16
Working Pressure	1.0MPa	1.6MPa
Shell Test Pressure	1.5MPa	2.4MPa
Seat Test Pressure	1.0MPa	1.6MPa

MATERIAL OF MAIN PARTS

NO.	Part	Material
1	Body	GG25
2	Disc	GG25
3	Cover	GG25
4	Seal Ring	BRASS
5	Hanger	GG25
6	Hanger Pin	13%cr

DIN3202 PN10/PN16 Y STRAINER

- Face to face dimension conforms to DIN3202-F1.
- Flange drilling conforms to DIN2501.

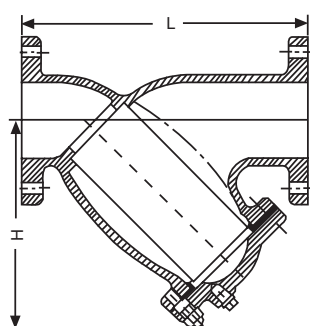


Pressure	PN10	PN16
Working Pressure	1.0MPa	1.6MPa
Shell Test Pressure	1.5MPa	2.4MPa
Seat Test Pressure	1.0MPa	1.6MPa

MATERIAL OF MAIN PARTS

NO.	Part	Material
1	Body	Cast iron to GG25 or Ductile iron to GGG50
2	Cover	Cast iron to GG25 or Ductile iron to GGG50
3	Screen	Stainless steel
4	Gasket	Synthetic Fiber
5	Plug	Cast iron to GG25 or Ductile iron to GGG50
6	Bolt	Carbon Steel

DIMENSIONS (mm)



DN	L	H	Flange Dia.	No. of Hole	Dia. of Hole	Flange Dia.	No. of Hole	Dia. of Hole
50	230	135	140	4	14	165	4	18
65	290	165	160	4	14	185	4	18
80	310	186	190	4	18	200	8	18
100	350	226	210	4	18	220	8	18
125	400	267	240	8	18	250	8	18
150	480	305	265	8	18	285	8	22
200	600	358	320	8	18	340	12	22
250	730	509	375	12	18	405	12	26
300	850	531	440	12	22	460	12	26

BS 5150 PN10 NON-RISING STEM SOLID WEDGE GATE VALVE

TYPE: MVBZ452

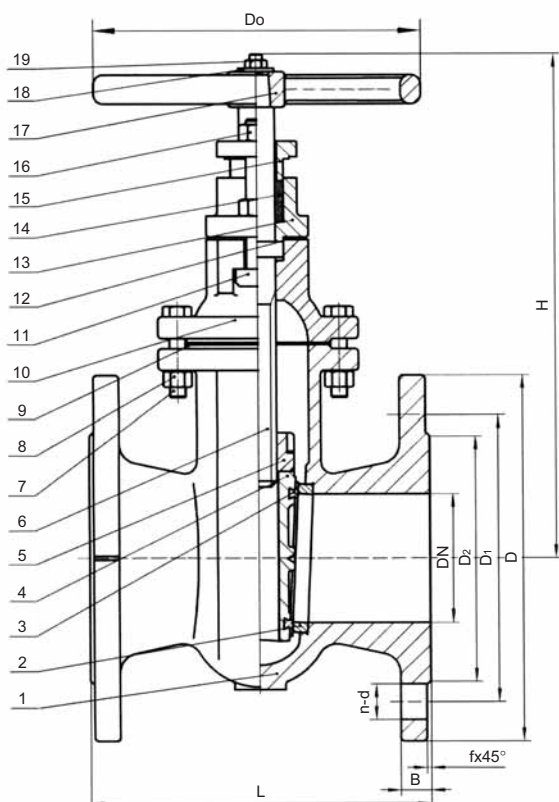


- Design conforms to BS5150.
- Face to face dimension conforms to series 14 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.

Working Pressure	1.0MPa
Shell Test Pressure	1.5MPa
Seat Test Pressure	1.1MPa

MATERIAL OF MAIN PARTS

NO.	Part	Material	British Standard
1	Body	Cast Iron	BS1452 Gr.180
2	Body Seat Ring	Cast Bronze	BS1400 LG2
3	Wedge Seat Ring	Cast Bronze	BS1400 LG2
4	Wedge	Cast Iron	BS1452 Gr.180
5	Stem Nut	Cast Brass	BS1400 PCB1
6	Stem	Brass	BS2874 CZ122
7	Bolt	Steel	BS970 43A
8	Nut	Steel	BS970 43A
9	Gasket	Graphite	
10	Bonnet	Cast Iron	BS1452 Gr.180
11	T-bolt	Steel	BS970 43A
12	Gasket	Graphite	
13	Stuffing Box	Cast Iron	BS1452 Gr.180
14	Packing	Graphite	
15	Gland Follower	Cast Iron	BS1452 Gr.180
16	Nut	Steel	BS970 43A
17	Handwheel	Cast Iron	BS1452 Gr.180
18	Washer	Steel	BS970 43A
19	Nut	Steel	BS970 43A



DIMENSIONS (mm)

DN	D	D ₁	D ₂	D ₀	L	H	B	f	n-d
40	150	110	84	160	140	271	18	3	4-19
50	165	125	99	160	150	291	20	3	4-19
65	185	145	118	160	170	321	20	3	4-19
80	200	160	132	160	180	360	22	3	8-19
100	220	180	156	200	190	378	24	3	8-19
125	250	210	184	250	200	451	26	3	8-19
150	285	240	211	250	210	489	26	3	8-23
200	340	295	266	250	230	573	26	3	8-23
250	395	350	319	730	250	730	28	3	12-23
300	445	400	370	764	270	764	28	4	12-23
350	505	460	429	400	290	870	30	4	16-23
400	565	515	480	400	310	940	32	4	16-28

BS 5150 PN16 NON-RISING STEM SOLID WEDGE GATE VALVE

TYPE: MVBZ451

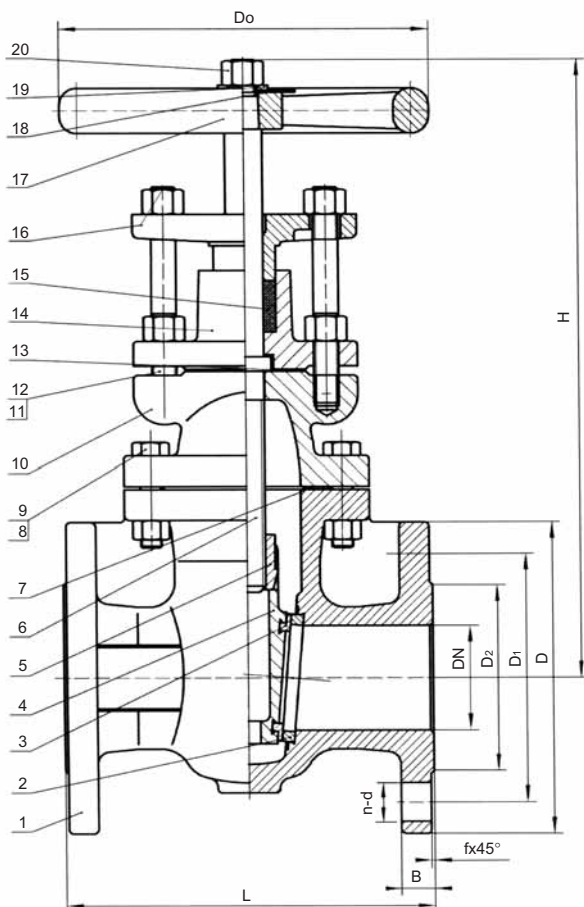


- Design conforms to BS5150.
- Face to face dimension conforms to series 3 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.

Working Pressure	1.6MPa
Shell Test Pressure	2.4MPa
Seat Test Pressure	1.76MPa

MATERIAL OF MAIN PARTS

NO.	Part	Material	British Standard
1	Body	Cast Iron	BS1452 Gr.220
2	Body Seat Ring	Cast Bronze	BS1400 LG2
3	Wedge Seat Ring	Cast Bronze	BS1400LG2
4	Wedge	Cast Iron	BS1452 Gr.220
5	Stem Nut	Cast Brass	BS1400 PCB1
6	Stem	Brass	BS2874 CZ122
7	Gasket	Graphite	
8	Bolt	Steel	BS970 43A
9	Nut	Steel	BS970 43A
10	Bonnet	Cast Iron	BS1452 Cr.220
11	Studs	Steel	BS970 43A
12	Nut	Steel	BS970 43A
13	Stuffing Box Gasket	Graphite	
14	Studs	Steel	BS970 43A
15	Stuffing Box	Cast Iron	BS1452 Gr.220
16	Packing	Graphite	
17	Gland Follower	Ductile Iron	BS2789 Gr420-12
18	Handwheel	Cast Iron	BS1452 Gr.220
19	Washer	Steel	BS970 43A
20	Nut	Steel	BS970 43A



DIMENSIONS (mm)

DN	D	D ₁	D ₂	D ₀	L	H	B	f	n-d
50	165	125	99	178	177.8	302	20	3	4-19
65	185	145	118	178	190	332	20	3	4-19
80	200	160	132	200	203.2	335	22	3	8-19
100	220	180	156	254	228.6	423	24	3	8-19
125	250	210	184	300	254	485	26	3	8-19
150	285	240	211	300	266.7	545	26	3	8-23
200	340	295	266	348	292.1	644	30	3	12-23
250	405	355	319	400	330.2	769	32	3	12-28
300	460	410	370	457	355.6	860	32	4	12-28
350	520	470	429	560	381	987	36	4	16-28
400	580	525	480	560	406.4	1044	38	4	16-31
450	640	585	548	610	432	1148	40	4	20-31
500	715	650	609	610	457	1257	42	4	20-34
600	840	770	720	765	508	1418	48	5	20-37

BS 5150 PN16 RISING STEM SOLID WEDGE GATE VALVE

TYPE: MVBZ411



- Design conforms to BS5150.
- Face to face dimension conforms to series 3 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.

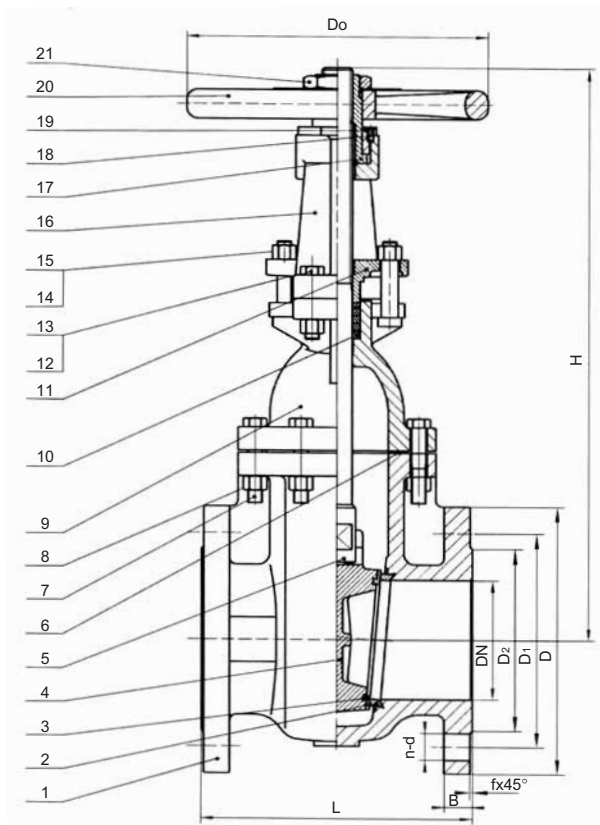
Working Pressure	1.6MPa
Shell Test Pressure	2.4MPa
Seat Test Pressure	1.76MPa

MATERIAL OF MAIN PARTS

NO.	Part	Material	British Standard
1	Body	Cast Iron	BS1452 Gr.220
2	Body Seat Ring	Cast Bronze	BS1400 LG2
3	Wedge Seat Ring	Cast Bronze	BS1400 LG2
4	Wedge	Cast Iron	BS1452 Gr.220
5	Stem	Brass	BS2874 CZ122
6	Gasket	Graphite	
7	Bolt	Steel	BS970 43A
8	Nut	Steel	BS970 43A
9	Bonnet	Cast Iron	BS1452 Gr.220
10	Packing	Graphite	
11	Gland Follower	Ductile Iron	BS2789 Gr.220
12	Bolt	Steel	BS970 43A
13	Nut	Steel	BS970 43A
14	Bolt	Steel	BS970 43A
15	Nut	Steel	BS970 43A
16	Yoke	Cast Iron	BS1452 Gr.220
17	Yoke Bushing	Cast Brass	BS1400 PCB1
18	Screw	Steel	BS970 43A
19	Yoke Bushing Nut	Cast Iron	BS1452 Gr.220
20	Handwheel	Cast Iron	BS1452 Gr.220
21	Handwheel Nut	Steel	BS970 43A

DIMENSIONS (mm)

DN	D	D ₁	D ₂	D ₀	L	H	B	f	n-d
50	165	125	99	178	177.8	311	20	3	4-19
65	185	145	118	178	190	347	20	3	4-19
80	200	160	132	200	203.2	384	22	3	8-19
100	220	180	156	254	228.6	490	24	3	8-19
125	250	210	184	300	254	541	26	3	8-19
150	285	240	211	300	266.7	656	26	3	8-23
200	340	295	266	348	292.1	778	30	3	12-23
250	405	355	319	400	330.2	933	32	3	12-28
300	460	410	370	457	355.6	1102	32	4	12-28
350	520	470	429	560	381	1259	36	4	16-28
400	580	525	480	560	406.4	1395	38	4	16-31
450	640	585	548	610	432	1560	40	4	20-31
500	715	650	609	610	457	1708	42	4	20-34
600	840	770	720	765	508	1990	48	5	20-37



BS 5163 PN16 NON-RISING STEM RESILIENT-SEATED GATE VALVE

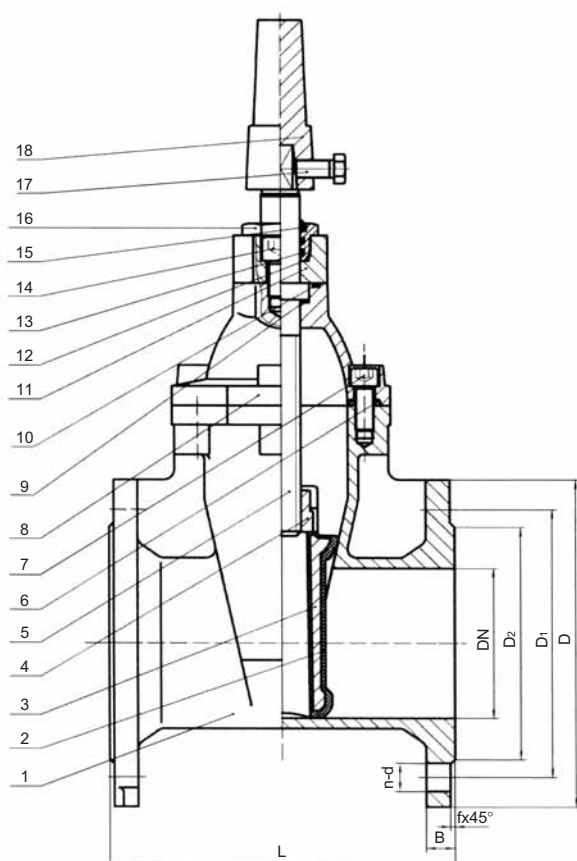


- Design conforms to BS5163 Type B.
- Face to face dimension conforms to series 3 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.

Working Pressure	1.6MPa
Shell Test Pressure	2.4MPa
Seat Test Pressure	1.76MPa

MATERIAL OF MAIN PARTS

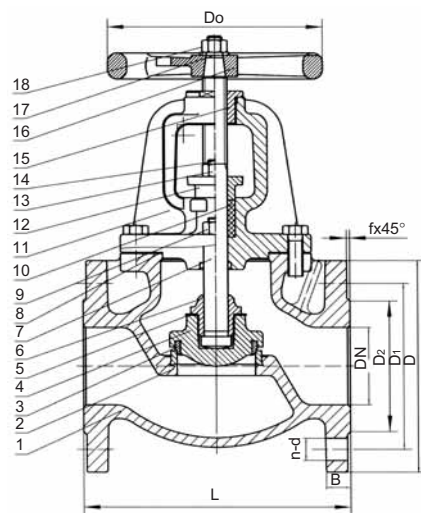
NO.	Part	Material	British Standard
1	Body	Ductile Iron	BS2789 Gr500-7
2	Wedge	EPDM	BS2494 Type W
3	Wedge Frame	Ductile Iron	BS2789 Gr500-7
4	Stem Nut	Cast Bronze	BS1400 AB1
5	Stem	Stainless Steel	BS970 431S29
6	Gasket	EPDM	BS2494 Type W
7	Screws	Stainless Steel	BS970 304S15
8	Bonnet	Ductile Iron	BS2789 Gr500-7
9	Washer	Cast Bronze	BS1400 LG2
10	O-ring	EPDM	BS2494 Type W
11	Gland Follower	Ductile Iron	BS2789 Gr500-7
12	O-ring	EPDM	BS2494 Type W
13	O-ring	EPDM	BS2494 Type W
14	Screw	Stainless Steel	BS970 304S15
15	Anti-dust Ring	EPDM	BS2494 Type W
16	Sleeve Gunmetal	Cast Bronze	BS1400 LG2
17	Bolt	Steel	BS970 43A
18	Spindle Cap	Ductile Iron	BS2789 Gr500-7



DIMENSIONS (mm)

DN	D	D ₁	D ₂	L	B	f	n-d
50	165	125	99	178	19	3	4-19
65	185	145	118	190	19	3	4-19
80	200	160	132	203	19	3	8-19
100	220	180	156	229	19	3	8-19
125	250	210	184	254	19	3	8-19
150	285	240	211	267	19	3	8-23
200	340	295	266	292	20	3	12-23
250	405	355	319	330	22	3	12-28
300	460	410	370	356	24.5	4	12-28
350	520	470	429	381	26.5	4	16-28
400	580	525	480	406	28	4	16-31
450	640	585	548	432	30	4	20-31
500	715	650	609	457	31.5	4	20-34
600	840	770	720	508	36	5	20-37

BS 5152 PN16 GLOBE VALVE



DIMENSIONS (mm)

DN	D	D ₁	D ₂	D ₀	L	B	f	n-d
50	165	125	99	178	203	20	3	4-19
65	185	145	118	178	216	20	3	4-19
80	200	160	132	200	241	22	3	8-19
100	220	180	156	254	292	24	3	8-19
125	250	210	184	300	330	26	3	8-19
150	285	240	211	300	356	26	3	8-23
200	340	295	266	348	495	30	3	12-23
250	405	355	319	400	622	32	3	12-28
300	460	410	370	457	698.5	32	4	12-28

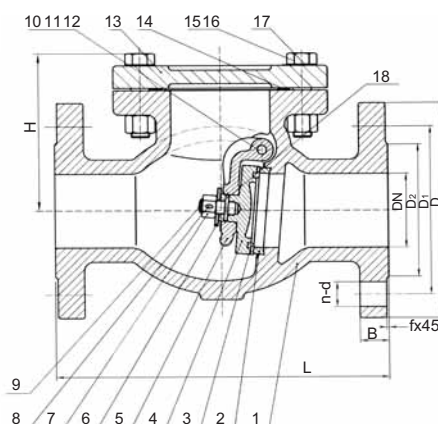
- Design conforms to BS5152.
- Face to face dimension conforms to series 10 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.

Working Pressure	1.6MPa
Shell Test Pressure	2.4MPa
Seat Test Pressure	1.76MPa

MATERIAL OF MAIN PARTS

NO.	Part	Material
1	Body	Cast Iron
2	Body Ring	Cast Bronze
3	Disc Ring	Cast Bronze
4	Disc	Cast Iron
5	Stop Washer	Stainless Steel
6	Nut	Cast Brass
7	Stem	Brass
8	Flange Gasket	Graphite
9	Bolt	Steel
10	Packing	Graphite
11	Bonnet	Cast Iron
12	Gland Follower	Ductile Iron
13	Nut	Steel
14	Bolt	Steel
15	Stem Nut	Cast Brass
16	Handwheel	Cast Iron
17	Washer	Steel
18	Nut	Steel

BS5153 PN16 SWING CHECK VALVE



DIMENSIONS (mm)

DN	D	D ₁	D ₂	L	H	B	f	n-d
50	165	125	99	203.2	112	20	3	4-19
65	185	145	118	215.9	132	20	3	4-19
80	200	160	132	241.3	141	22	3	8-19
100	220	180	156	292.1	162	24	3	8-19
125	250	210	184	330.2	192	26	3	8-19
150	285	240	211	355.6	211	26	3	8-23
200	340	295	266	495.3	270	30	3	12-23
250	405	355	319	622.3	316	32	3	12-28
300	460	410	370	698.5	357	32	4	12-28
350	520	470	429	787.4	560	36	4	16-28
400	580	525	480	914	589	38	4	16-31

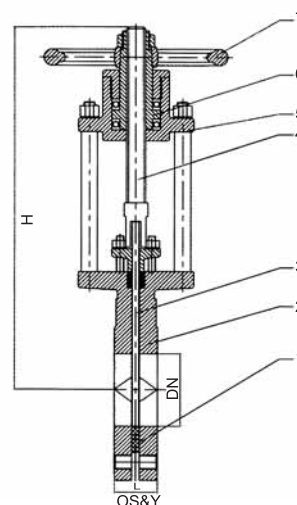
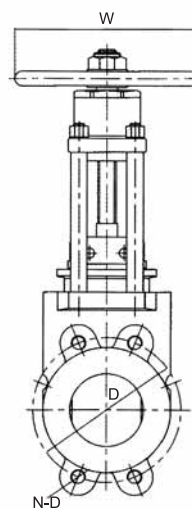
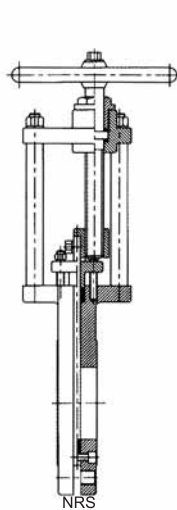
- Design conforms to BS5153.
- Face to face dimension of DN50-400 conforms to series 10 of BS EN558-1.
- Flange drilling conforms to BS EN1092-2.

Working Pressure	1.6MPa
Shell Test Pressure	2.4MPa
Seat Test Pressure	1.76MPa

MATERIAL OF MAIN PARTS

NO.	Part	Material
1	Body	Cast Iron
2	Body Seat Ring	Cast Bronze
3	Disc Seat Ring	Cast Bronze
4	Disc	Cast Iron
5	Hanger	Ductile Iron
6	Washer	Steel
7	Nut	Steel
8	Split Pin	Stainless Steel
9	Disc Screw	Steel
10	Side Pin	Brass
11	Gasket	Teflon
12	Hanger Pin	Stainless Steel
13	Bonnet	Cast Iron
14	Gasket	Graphite
15	Bolt	Steel
16	Nut	Steel
17	Identification Plate	Aluminum
18	Pin	Stainless Steel

KINFE GATE VALVE



- Design conforms to MSS/EN 558-1
- Flange drilling conforms to DIN 2501/BS 4504/ANSI B16.10
- Working temperature: NBR ≤ 80°C, EPDM ≤ 120°C
- Operation: handwheel/gear/actuator/pneumatic

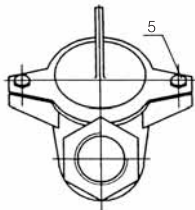
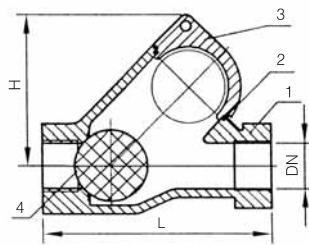
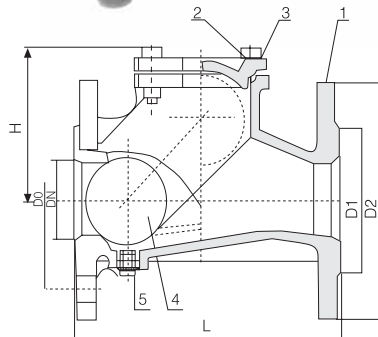
MATERIAL OF MAIN PARTS

No.	PART	MATERIAL
1	"U" seat	EPDM/NBR
2	Body	DI, GGG40/50, ASTM A536
3	Knife	304/316
4	Stem	420/304
5	Cover	DI, GGG40/50, ASTM A536
6	Stem nut	BRASS

DIMENSIONS (mm)

DN	DIN 2501		BS 10 T/D		BS 10 T/E		ANSI MSS SP-81		H	DIN/BS		W
	D	N-D	D	N-D	D	N-D	D	N-D		L	L	
50	125	4-M16	114.3	4-5/8"	114.3	4-5/8"	120.5	4-5/8"	290	43	48	180
65	145	4-M16	146	4-5/8"	146	4-5/8"	139.5	4-5/8"	295	46	48	180
80	160	8-M16	165.1	4-5/8"	165.1	4-5/8"	152.5	4-5/8"	320	46	51	200
100	180	8-M16	177.8	4-5/8"	177.8	8-5/8"	190.5	8-5/8"	365	52	51	250
125	210	8-M16	209.5	8-5/8"	209.5	8-5/8"	216	8-3/4"	405	56	51	300
150	240	8-M20	235	8-5/8"	235	8-3/4"	241.5	8-3/4"	478	56	57	300
200	295	8-M20	292.1	8-5/8"	292.1	8-3/4"	298.5	8-3/4"	545	60	70	350
250	350	12-M20	355.6	8-3/4"	355.6	12-3/4"	362	12-7/8"	692	68	70	400
300	400	12-M20	406.4	12-3/4"	406.4	12-7/8"	432	12-7/8"	785	78	76	500
350	460	16-M20	469.9	12-7/8"	469.9	12-7/8"	476	12-1"	892	78	76	500
400	515	16-M24	520.7	12-7/8"	520.7	12-7/8"	539.5	12-1"	998	102	89	600
450	565	20-M24	584.2	12-7/8"	584.2	16-7/8"	578	16-9/8"	1422	114	89	600
500	620	20-M24	641.3	16-7/8"	641.3	16-7/8"	635	20-9/8"	1565	127	114	600
600	725	20-M27	755.6	16-1"	755.6	16-9/8"		20-1.25"	1680	154	114	750

PN10/PN16/CLASS 125 BALL CHECK VALVE



- Design conforms to EN558-1, basic series 48 & DIN3202 F6
- Flange drilling conforms to EN1092-2/ANSI B16.1/ Class 125/BS10 Table D/E/JIS

MATERIAL OF MAIN PARTS

ITEM	PART	MATERIAL
1	Body	Cast iron
2	Plate	Stainless steel
3	Bonnet gasket	Synthetic rubber
4	Turning axle	Stainless steel
5	Spring	Stainless steel

DIMENSIONS (FLANGED END)

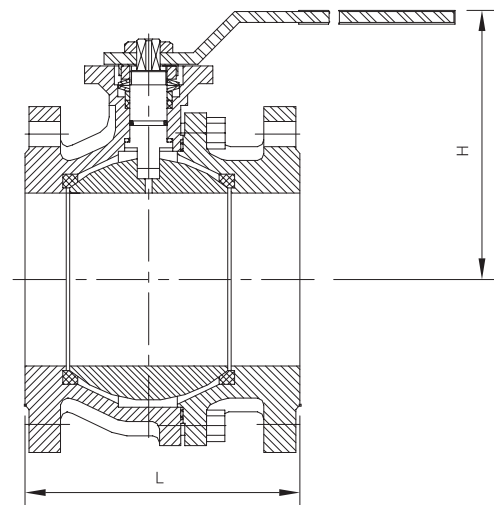
DN		50	65	80	100	125	150	200	250	300
L (mm)	PN10/16 CL125	200	240	260	300	350	400	500	600	700
≈H(mm)		203	216	241	292	330	356	495	622	698
		126	145	173	186		287.5	320	443.7	529.4

DIMENSIONS (SCREWED END)

SIZE	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
L	125	132	145	174	200	243
H	73	73	88	115	115	164

PN16/CLASS 125 BALL VALVE

- Design conforms to DIN/NF/MSS SP-72
- Face to face dimension conforms to DIN 3202/ANSI B16.10/NF29323
- Flange drilling conforms to EN1092-2/ANSI B16.1/ BS10



MATERIAL OF MAIN PARTS

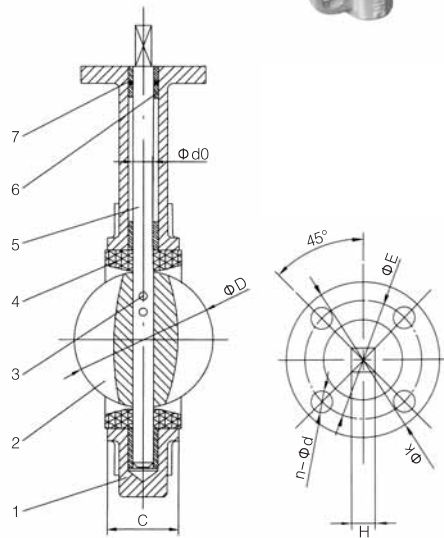
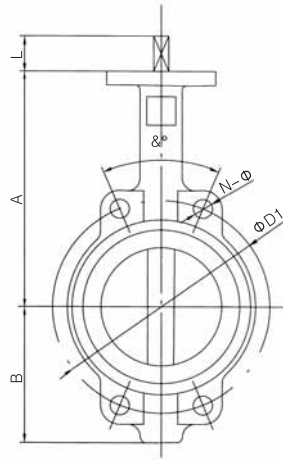
PART	MATERIAL	EN Spec.	ASTM Spec.
Body	Ductile Iron	EN-JS1050	A536 65-45-12
End cap	Ductile Iron	EN-JS1050	A536 65-45-12
Ball	Stainless Steel	BS970 304S15	AISI 304
Stem	Stainless Steel	BS970 304S15	AISI 304
Body seat	Teflon + Graphite	Commercial	Commercial
Packing	Teflon + Graphite	Commercial	Commercial
O-ring	EPDM / Viton	Commercial	Commercial
Stopper	Stainless Steel	BS970 304S15	AISI 304
Handle	Carbon Steel	Mild Steel	Mild Steel

DIMENSIONS (mm)

Size	15	20	25	32	40	50	65	80	100	125	150	200
L	DIN 115	120	125	130	140	150	170	180	190	200	210	400
NF	-	-	-	-	-	142	154	160	172	186	200	-
MSS	108	117	127	140	165	178	191	203	229	254	268	292
H	70	75	85	105	110	115	130	140	155	195	240	325

WAFER TYPE BUTTERFLY VALVE

TAPER PIN DESIGN



- Design conforms to EN593/API609/BS5155/MSS-67
- Flange drilling conforms to BS/DIN/ANSI/JIS/EN/UNI
- Operation: Lever/gear/actuator/pneumatic

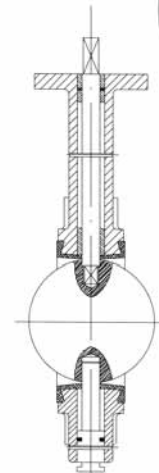
MATERIAL OF MAIN PARTS

No.	PART	MATERIAL
7	O-ring	EPDM/NBR/Viton
6	Bushing	PTFE
5	Stem	Stainless steel
4	Seat	EPDM/NBR/Viton
3	Pin	Stainless steel
2	Disc	Stainless steel/ Bronze/Ductile Iron
1	Body	Cast iron

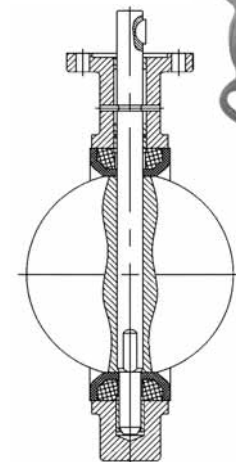
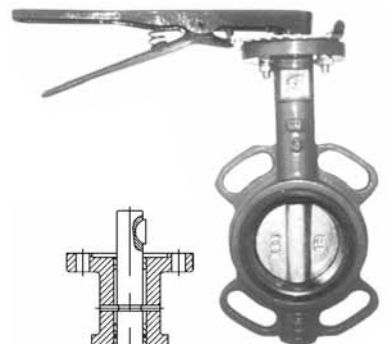
DIMENSIONS (mm)

Size	A	B	C	D	d0	H	L	ISO 5211	K	E	n-Φd	D ₁	N-Φ	&°
2"	161	80	42	52.7	14.3	11	30	F07	90	70	4-10	125	4-18	90
2.5"	175	89	44.7	64.4	14.3	11	30	F07	90	70	4-10	145	4-18	90
3"	181	95	45.2	74.7	14.3	11	30	F07	90	70	4-10	160	4-18	45
4"	200	114	52.1	104	15.77	11	30	F07	90	70	4-10	180	4-18	45
5"	213	127	54.4	123.3	18.92	14	30	F07	90	70	4-10	210	4-18	45
6"	226	139	55.8	155.6	18.92	14	30	F07	90	70	4-10	240	4-22	45
8"	260	175	60.6	202.5	22.1	17	40	F10	125	102	4-12	295	4-22	30
10"	292	203	65.6	250.5	28.45	22	40	F10	125	102	4-12	355	4-26	30
12"	337	242	76.9	301.5	31.6	22	40	F10	140	102	4-12	410	4-26	30
14"	368	267	76.5	333.3	31.6	22	45	F10	140	102	4-12	470	4-26	22.5
16"	400	309	86.5	389.6	33.15	27	52	F14	197	140	4-18	525	4-30	22.5
18"	422	328	103.5	440.5	38	27	52	F14	197	140	4-18	585	4-30	18
20"	480	361	129.5	491.6	41.15	36	65	F14	197	140	4-18	650	4-33	18
24"	562	459	152	592.5	50.65	36	70	F16	276	165	4-23	770	20-36	18
28"	624	520	163	695	63.35	--	80	F25	300	254	8-18	840	24-36	15
30"	660	539	167	745	63.35	--	80	F25	300	254	8-18	900	24-36	15
32"	672	591	188	795.4	63.35	--	80	F25	300	254	8-18	950	24-39	15
36"	720	656	203	864.7	75	--	118	F25	300	254	8-18	1050	28-39	12.86
40"	800	721	216	965	85	--	142	F25	300	254	8-18	1170	28-42	12.86

SPLIT STEM DESIGN



THROUGHOUT STEM WITHOUT PIN



LUG TYPE BUTTERFLY VALVE

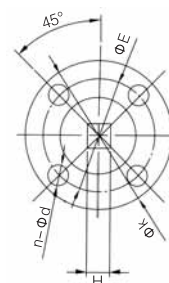
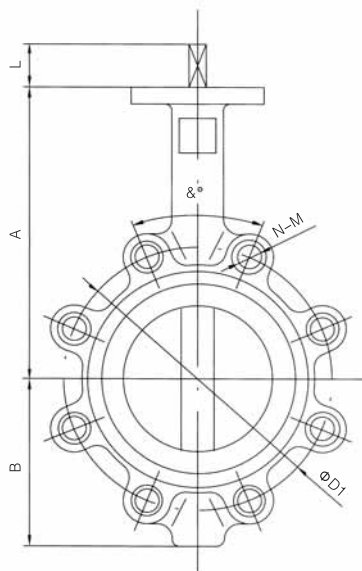
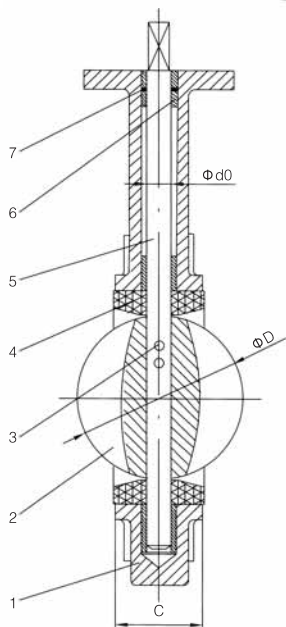
TAPER PIN DESIGN



- Design conforms to EN593/ API609/BS5155/MSS-67
- Flange drilling conforms to BS/DIN/ANSI/JIS/EN/UNI
- Operation: Lever/gear/actuator /pneumatic
- Split stem and throughout stem without pin are also available

MATERIAL OF MAIN PARTS

No.	PART	MATERIAL
7	O-ring	EPDM/NBR/Viton
6	Bushing	PTFE
5	Stem	Stainless steel
4	Seat	EPDM/NBR/Viton
3	Pin	Stainless steel
2	Disc	Stainless steel/ Bronze/Ductile Iron
1	Body	Cast iron

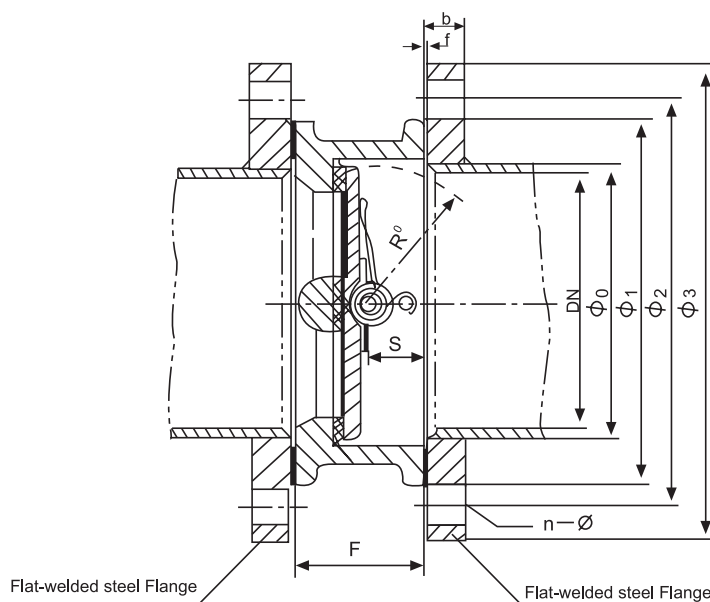
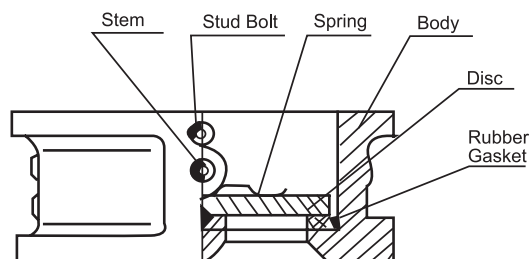


DIMENSIONS (mm)

Size	A	B	C	D	d0	H	L	ISO 5211	K	E	n-Φd	D ₁	N-M	&°
2"	161	80	42	52.7	14.3	11	30	F07	90	70	4-9	125	4-M16	90
2.5"	175	89	44.7	64.4	14.3	11	30	F07	90	70	4-9	145	4-M16	90
3"	181	95	45.2	74.7	14.3	11	30	F07	90	70	4-9	160	8-M16	45
4"	200	114	52.1	104	15.77	11	30	F07	90	70	4-9	180	8-M16	45
5"	213	127	54.4	123.3	18.92	14	30	F07	90	70	4-9	210	8-M16	45
6"	226	139	55.8	155.6	18.92	14	30	F07	90	70	4-9	240	8-M20	45
8"	260	175	60.6	202.5	22.1	17	40	F10	125	102	4-12	295	12-M20	30
10"	292	203	65.6	250.5	28.45	22	40	F10	125	102	4-12	355	12-M24	30
12"	337	242	76.9	301.5	31.6	22	40	F10	140	102	4-12	410	12-M24	30
14"	368	267	76.5	333.3	31.6	22	45	F10	140	102	4-12	470	16-M24	22.5
16"	400	309	86.5	389.6	33.15	27	52	F14	197	140	4-18	525	16-M27	22.5
18"	422	328	103.5	440.5	38	27	52	F14	197	140	4-18	585	20-M27	18
20"	480	361	129.5	491.6	41.15	36	65	F14	197	140	4-18	650	20-M30	18
24"	562	459	152	592.5	50.65	36	70	F16	276	165	4-22	770	20-M33	18

BUTTERFLY CHECK VALVE

- Small in size, light in weight, compact in structure, easy in maintenance. The quick-close action prevents the medium from flowing back and eliminates water-hammer effect.
- This valve is short in length, so that it is rigid easy to mount. Connection flanges can be made of either cast iron or flat-welded steel.
- This product has such characteristics as excellent retaining performance, high safety and reliability and low flow resistance. applicable for systems in the industries of petrochemical, food processing, medicine, textile, paper-making, water supply and drainage, metallurgy, energy and light industry, etc.



MATERIAL OF MAIN PARTS

No.	Name	Material
1.	Body	Cast Iron, Carbon Steel
2.	Stem	Stainless Steel
3.	Disc	Cast Brass, Ductile Iron, Stainless Steel
4.	Sealing	NBR, Neoprene, EPDM
5.	Spring	Spring Steel, Stainless Steel

TECHNICAL DATA:

Nominal Diameter(mm)		DN50~DN400	DN50~DN300
Nominal Pressure(Mpa)		1	1.6
Testing	Shell Test	1.5	2.4
Pressure	Sealing Test	1.1	1.76
Working Temperature		-10°C~+150°C	
Applicable Medium		Fresh water, Sewage, Sea Water, Salt Water, Air, Vapour, food, Medicine, Oils, Acids.	

DIMENSIONS & WEIGHT

ND	O.Dia. of Pipe	Flange					valve					weigh kgs
DN	Ø	Ø ₂	Ø ₃	b	f	n-Ø _o	F	R ^p	S	Ø1	Ø1	
50	57	165	125	18 22	3	4-18	43	28.8	19	107	1.5	
65	73	185	145	20 24	3	4-18	46	36.1	20	127	2.4	
80	89	200	160	20 24	3	8-18	64	43.4	28	142	3.6	
100	108	220	180	22 26	3	8-18	64	52.8	26	162	5.7	
125	133	250	210	24 28	3	8-18	70	65.7	30	192	7.3	
150	159	285	240	24 28	3	8-23	76	78.6	31	218	9.0	
200	219	340	295	24 30	3	8-23 12-23	89	104.4	33	273	17	
250	273	395 405	350 355	26 32	3	12-23 12-26	114	127	45	328	26	
300	325	445 460	400 410	28 32	4	12-23 12-26	114	147	45	378	42	
350	377	505 520	460 470	28 34	4	16-23 16-26	127	173	50	438	55	
400	426	565 580	515 525	30 38	4	16-26 16-30	140	198	54	489	75	

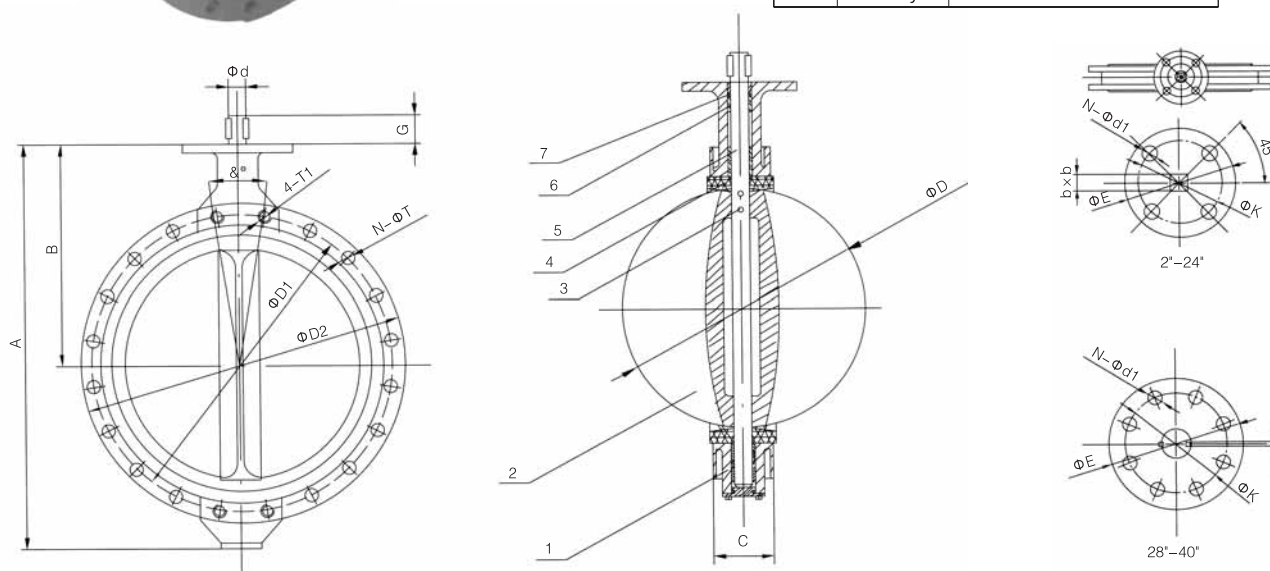
U TYPE BUTTERFLY VALVE



- Design conforms to EN593/ API609/BS5155/MSS-67
- Flange drilling conforms to BS/DIN/ANSI/JIS/EN/UNI
- Operation: Lever/gear/actuator /pneumatic

MATERIAL OF MAIN PARTS

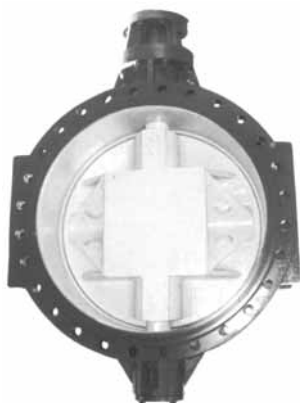
No.	PART	MATERIAL
7	O-ring	EPDM/NBR/Viton
6	Bushing	PTFE
5	Stem	Stainless steel
4	Seat	EPDM/NBR/Viton
3	Pin	Stainless steel
2	Disc	Stainless steel/ Bronze/Ductile Iron
1	Body	Cast iron



DIMENSIONS (mm)

Size	A	B	C	d	D	D1	D2	E	K	N-ΦT	J	G	4-T1	N-Φd1	&°	b x b
2"	220	140	42	14.3	52.7	125	165	90	70	4-18	--	30	--	4-10	90	11 x 11
2.5"	242	152	44.7	14.3	64.4	145	185	90	70	4-18	--	30	--	4-10	90	11 x 11
3"	246	159	45.2	14.3	78.8	160	200	90	70	8-18	--	30	--	4-10	45	11 x 11
4"	284	178	52.1	15.77	104	180	220	90	70	8-18	--	30	--	4-10	45	11 x 11
5"	314	191	54.4	18.92	123.3	210	250	90	70	8-18	--	30	--	4-10	45	14 x 14
6"	324	204	55.8	18.92	155.6	240	285	90	70	8-22	--	30	--	4-10	45	17 x 17
8"	390	238	60.6	22.1	202.5	295	340	125	102	12-22	--	40	--	4-12	30	22 x 22
10"	473	270	65.6	28.45	250.5	355	405	125	102	8-26	--	40	4-M24	4-12	30	22 x 22
12"	557	315	76.9	31.6	301.5	410	460	140	102	8-26	--	40	4-M24	4-12	30	22 x 22
14"	635	368	76.5	31.6	333.3	470	520	140	102	12-26	--	45	4-M24	4-12	22.5	27 x 27
16"	709	400	86.5	33.15	389.6	525	580	197	140	12-30	--	52	4-M27	4-18	22.5	27 x 27
18"	750	422	103.5	38	440.5	585	640	197	140	16-30	--	52	4-M27	4-18	18	36 x 36
20"	841	480	129.5	41.15	491.6	650	715	197	140	16-33	--	65	4-M30	4-18	18	36 x 36
24"	1021	562	152	50.65	592.5	770	840	276	165	16-36	16	70	4-M33	4-22	18	--
28"	1144	624	163	63.35	695	840	910	300	254	20-36	16	80	4-M33	8-18	15	--
30"	1199	660	167	63.35	745	900	970	300	254	20-36	16	80	4-M33	8-18	15	--
32"	1263	672	188	63.35	794.5	950	1025	300	254	20-39	16	80	4-M36	8-18	15	--
36"	1376	720	203	75	864.7	1050	1125	300	254	24-39	20	118	4-M36	8-18	12.86	--
40"	1521	800	216	85	965	1170	1255	300	254	24-42	20	142	4-M39	8-18	12.86	--

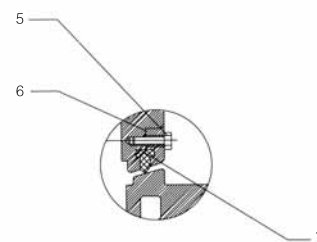
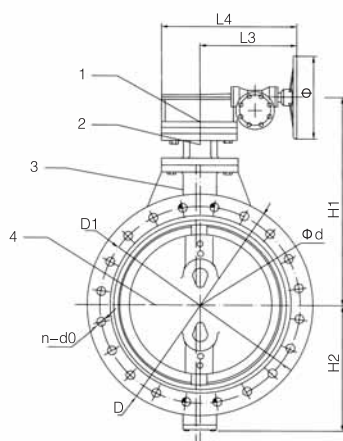
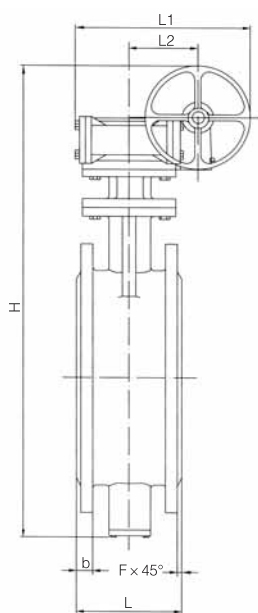
DOUBLE ECCENTRIC BUTTERFLY VALVE



- Design conforms to EN593/ API609/BS5155/MSS-67
- Flange drilling conforms to BS/DIN/ANSI/JIS/EN/UNI
- Operation: Lever/gear/actuator /pneumatic

MATERIAL OF MAIN PARTS

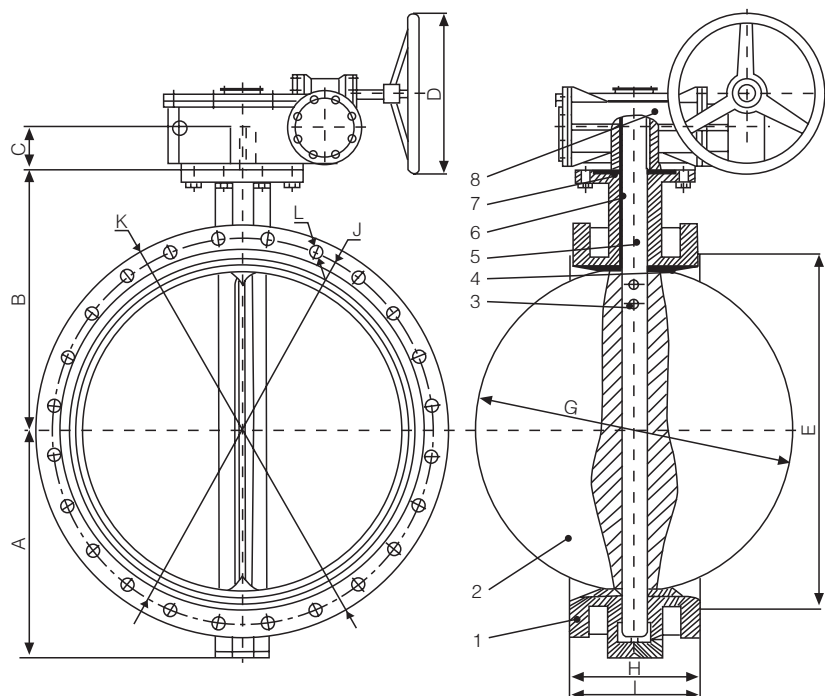
No.	PART	MATERIAL
7	Rubber seat	EPDM/NBR
6	Retainer	STAINLESS STEEL
5	Bolts	STAINLESS STEEL
4	Disc	DUCTILE IRON
3	Body	CAST IRON
2	Support	DUCTILE IRON/CAST IRON
1	Gear box	DUCTILE IRON/CAST IRON



DIMENSIONS (mm)

Size	D	D1	d	b	f	n-Φd0	H	H1	H2	L	L1	L2	L3	L4	Φ	Weight(kg)
100	220	180	156	19	3	8-Φ19	446	234	122	190	202	48	121	180	180	25
150	285	240	211	19	3	8-Φ23	521.5	279	153	210	222	58	128	194	180	37
200	340	295	266	20	3	12-Φ23	690	349	216	230	275	70	163	241	250	63
250	405	355	319	22	3	12-Φ28	782	398	209	250	368	95	193	291	350	94
300	460	410	370	25	4	12-Φ28	980	556	277	270	449	178	358	473	300	165
350	520	470	429	27	4	16-Φ28	1048	586	315	290	449	178	358	473	300	214
400	580	525	480	28	4	16-Φ31	1138	653	335	310	486	196	384	528	300	264
450	640	585	548	30	4	20-Φ31	1202	672	380	330	486	196	384	528	300	392
500	715	650	609	31.5	4	20-Φ34	1421	793	428	350	627	244	407	596	400	324
600	840	770	720	36	5	20-Φ37	1488	808	480	390	627	244	407	596	400	700
700	910	840	794	39.5	5	24-Φ37	1889	1058	681	430	635	370	591	711	300	953
800	1025	950	901	43	5	24-Φ40	2032	1133	749	470	635	370	591	711	300	1075
900	1125	1050	1001	46.5	5	28-Φ40	2258	1266	842	510	955	455	591	807	300	1319
1000	1255	1170	1112	50	5	28-Φ43	2325	1286	889	550	955	455	591	807	300	1751
1200	1485	1390	1328	57	5	32-Φ49	2796	1568	978	630	1190	680	801	1089	300	3541
1400	1675	1590	1530	62	5	36-Φ49	2996	1668	1078	710	1270	598	801	1089	500	4280

FLANGED ENDS BUTTERFLY VALVE



- Design conforms to EN593/API609/BS5155/MS-67
- Flange drilling conforms to BS/DIN/ANSI/JIS/EN/UNI
- Operation: Lever/gear/actuator/pneumatic

MATERIAL OF MAIN PARTS

No.	Part	Material
1	BODY	CAST IRON DUCTILE IRON
2	DISC	CAST IRON DUCTILE IRON
3	PIN	STAINLESS STEEL
4	SEAT	EPDM/NBR
5	STEM	STAINLESS STEEL
6	BUSHING	EN-1982
7	O RING	EPDM/NBR
8	GEAR BOX	CAST IRON DUCTILE IRON

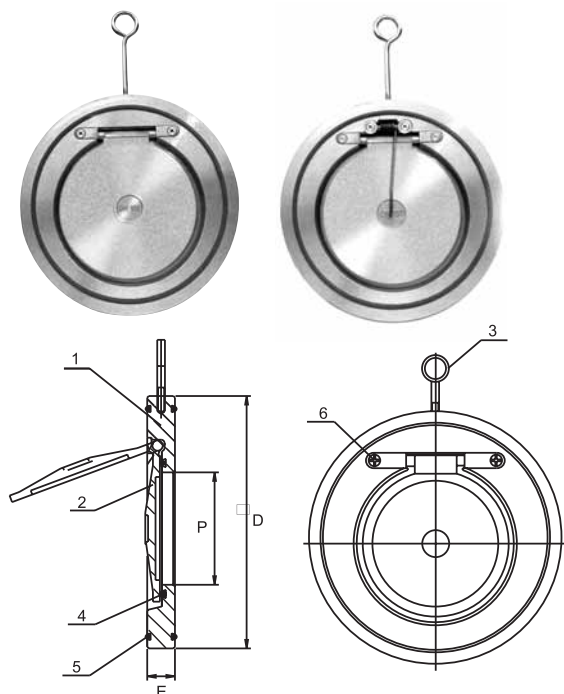
DIMENSIONS(mm) PN16 DN50-DN300

Size	A	B	C	D	E	G	H	I	J	K	L
50mm	83	92	30	260	87	52.88	108	111	125	165	4-19
65mm	93	97	30	260	106	64.49	112	115	145	185	4-19
80mm	100	114	30	260	120	78.84	114	117	160	200	8-19
100mm	112	114	30	260	144	104.04	127	130	180	220	8-19
125mm	125	139	30	260	170	123.32	140	143	210	250	8-19
150mm	143	176	30	260	197	155.58	140	143	240	285	8-23
200mm	170	215	40	350	252	202.46	152	155	295	340	12-23
250mm	198	250.5	40	500	305	250.47	165	168	355	405	12-28
300mm	220	298	40	500	350	311.55	178	182	410	460	12-28

DIMENSIONS(mm) PN10 DN350-DN1200

Size	A	B	C	D	E	G	H	I	J	K	L
350mm	268.5	295.5	45	300	415	333	190	194	470	520	16-28
400mm	296.5	325.5	72	300	460	390	216	221	525	580	16-31
450mm	336.5	358.5	72	400	510	440	222	227	585	640	20-31
500mm	364.5	413.5	82	400	560	492	229	234	650	715	20-34
600mm	406.5	483.5	82	300	660	592	267	272	770	840	20-37
700mm	507	543	66	400	770	695	292	299	840	895	24-31
800mm	557	623	66	400	871	794.7	318	325	950	1015	24-34
900mm	596	644.5	118	400	972	865	330	337	1050	1115	28-34
1000mm	683	715	141	400	1080	965	410	417	1160	1230	28-37
1200mm	783	1001	150	450	1270	1161	470	478	1380	1455	32-40

THIN WAFER SWING CHECK VALVE



MATERIAL OF MAIN PARTS

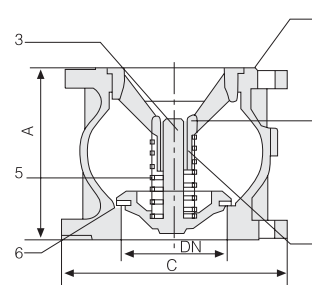
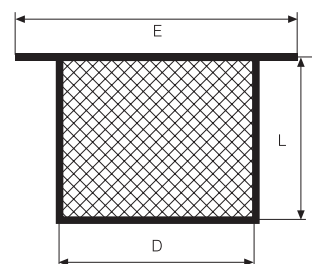
ITEM	PART	MATERIAL
1	Body	SS316/WCB
2	Disc	SS316/WCB
3	Hanger	SS316/WCB
4	O-Ring	NBR/EPDM/VITON
5	O-Ring	NBR/EPDM/VITON
6	Bolt	SS316/WCB

Normal pressure	PN16	CL150(PN20)	CL300(PN50)
Seal test pressure	1.76MPa	2.2MPa	5.5MPa
Strength test pressure	2.4MPa	3.0MPa	7.5MPa
Suitable temperature	NBR: -10~+80°C		
	EPDM: -10~+120°C		
	VITON: -10~+150°C		

DIMENSIONS (mm)

DN	D				P	E		
	PN16	Table D	ANSI 125/150	ANSI 300		PN16	ANSI 150	ANSI 300
40	92	85	85	95	22	14	19	19
50	109	98	105	111	32	14	19	19
65	129	111	124	130	40	14	19	19
80	144	130	136	149	54	14	19	19
100	164	162	175	181	70	18	19	19
125	194	194	197	216	92	18	19	19
150	220	219	222	251	114	20	19	22
200	275	276	279	308	154	22	28	28
250	330	337	340	362	200	26	28	38
300	380	387	410	422	235	28	38	51
350	440	448	451	485	280	38	44	51
400	491	499	515	540	316	44	51	51

DIN SILENT LIFT CHECK VALVE



MATERIAL OF MAIN PARTS

No.	PART	MATERIAL
1	Body	Cast Iron GG25
2	Guide	Cast Iron GG25
3	Closing system	Cast Iron GG25
4	Guiding	Brass G/CuZn40Pb2
5	Spring	Stainless steel 18/8
6	Seal	NBR

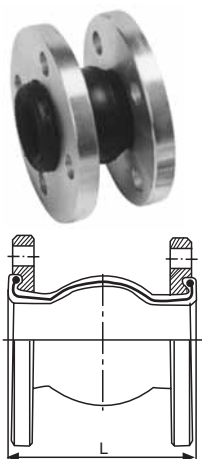
DIMENSIONS (mm)

DN	ø	A	C	D	E	L
50	50	100	165	111	156	80
65	65	120	185	131	176	100
80	80	140	200	148	202	120
100	100	170	220	168	212	150
125	125	200	250	198	242	175
150	150	230	285	222	276	200
200	200	300	340	278	332	250
250	250	370	405	329	385	300

FLOATING FLANGE RUBBER EXPANSION JOINT

Main Body	Polarized Rubber
Lining	Nylon Cord Fabric
Frame	Hard Steel Wire
Flange	Mild Steel
Union	Malleable iron

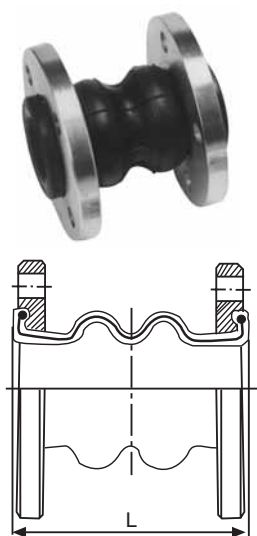
Working pressure (Mpa)	1.6	1.0	0.6
Testing pressure (Mpa)	3.2	2.0	0.75
Bursting pressure (Mpa)	4.8	3.0	1.8
Vacuum degree	100	86.7	53.3
Applicable temp. (°C)	-20~+115		



Single-Sphere

Dimensions (mm)

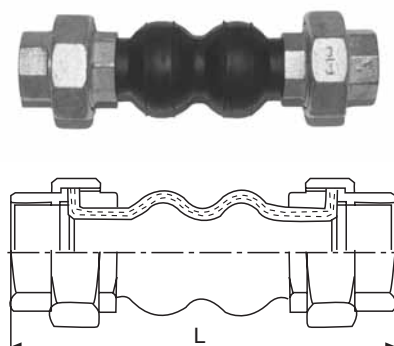
DN	L	Axial Shift		Crosswise shift	Angle of deflection
		Stretch	Compression		
32	95	6	9	9	15°
40	95	6	10	9	15°
50	105	7	10	10	15°
65	115	7	13	11	15°
80	130	8	15	12	15°
100	135	10	19	13	15°
125	165	12	19	13	15°
150	180	12	20	14	15°
200	190	16	25	22	15°
250	230	16	25	22	15°
300	245	16	25	22	15°



Double-Sphere

Dimensions (mm)

DN	L	Axial Shift		Crosswise shift	Angle of deflection
		Stretch	Compression		
50	165	30	50	45	40°
65	175	30	50	45	40°
80	175	30	50	45	40°
100	225	35	50	40	35°
125	225	35	50	40	35°
150	225	35	50	40	35°
200	325	35	60	35	30°
250	325	35	60	35	30°
300	325	35	60	35	30°



Twin-Sphere Union

Dimensions (mm)

DN	L	Axial Shift		Crosswise shift	Angle of deflection
		Stretch	Compression		
20	180	5-6	22	22	45°
25	180	5-6	22	22	45°
32	200	5-6	22	22	45°
40	210	5-6	22	22	45°
50	220	5-6	22	22	45°
65	245	5-6	22	22	45°
80	260	5-6	22	22	45°