

SHANGHAI CIPHY VALVE

[Http://www.ciphy.cn](http://www.ciphy.cn)

DUCTILE IRON SOFT SEAL VALVE

CAST IRON MATEL SEAL VALVE

Success is from opportunities and challenges.

Let's catch every golden opportunity

To continuously create eminence

With insurgent ardor

Lof ty ideal And boldness of vision.



SHANGHAI
CIPHY INDUSTRY CO., LTD.

Company Profile

Shanghai Ciphy Industry Co., Ltd. are a specializing supplying various standards cast iron valves, fittings company in china; All sold product must be tested and inspected in test locale by our company colleague; we are very luck for Servericing our every customers.

Our product as follows:

Standard: ANSI Standard, BS Standard, DIN Standard, JIS Standard etc.

Material: Cast Iron(A126 FC20, GG20), Ductile iron(FCD45,GGG40) etc.

Size: from 1/2 inches to 48 inches, from DN15~DN1200.

Valve: Gate valve, Globe valve, Check valve, Ball valve, Butterfly valve, Knife gate valve, resilient gate valve, Angle valve, Globe type check valve(SDNR), Air valve, Foot valve, Fire hydrant, Flang adaptors, Coupling, Rubber Joint etc.

Connect: Flanged ends, Threaded ends etc.

Pressure grade: ANSI CLASS 125, CLASS 150, DIN PN6, PN10, PN16, JIS 5K, 10K etc.

Moreover, we are also engage in processing trade; We can manufacture the products exactly as per the customer's specific requirements such as nominated trademark and marking, the customer's own technical drawings, etc

Look forward to having a chance to serve your esteemed company.

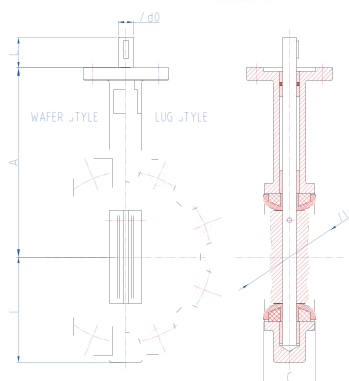


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Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
A	124	161	175	181	200	213	226	260	292	337
B	69	80	89	95	114	127	139	175	203	242
C	33	42	44.7	45.2	52.1	54.4	55.8	60.6	65.6	76.9
D	42.6	52.9	64.5	78.8	104	123.3	155.7	202.4	250.4	301.5
d0	12.6	12.6	12.6	12.6	15.77	18.92	18.92	22.1	28.45	31.8
L	32	32	32	32	32	32	32	45	45	45

Short Neck Butterfly Valve With Pin



Standards:

Design:
API 609, BS EN 593, Din 3352
Face To Face:
API 609, BS EN 5558, Din 3202

Main Part Name and Material:

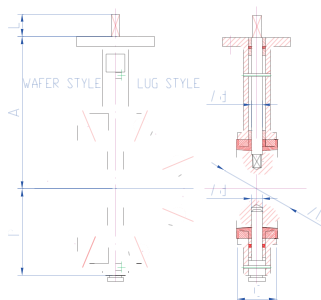
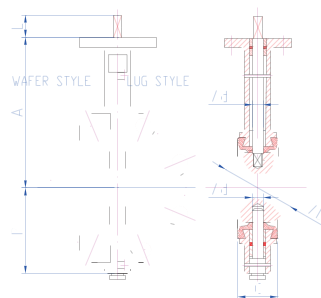
Body:
Cast Iron, Ductile Iron, Cast Steel, Stainless Steel
Disc:
Ductile Iron, Nylon or PTFE Coating, Bronze, Stainless steel
Seat:
HYPALON, EPDM, NBR, VITON, PTFE, NEOPRENE
Shaft and Pin:
ASTM A182-F304/F316/410/416, MONEL K500

Pressure Rating:

PN16 ≤DN200
PN10 ≥DN250

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
A	120	124	134	141	156	168	184	213	244	283
B	69	80	89	95	114	127	139	175	203	242
C	33	42	44.7	45.2	52.1	54.4	55.8	60.6	65.6	76.9
D	42.6	52.9	64.5	78.8	104	123.3	155.7	202.4	250.4	301.5
d0	12.6	12.6	12.6	12.6	15.77	18.92	18.92	22.1	28.45	31.8
L	32	32	32	32	32	32	32	45	45	45

Slim Disc Butterfly Valve



Standards:

Design:
API 609, BS EN 593, Din 3352
Face To Face:
API 609, BS EN 5558, Din 3202

Main Part Name and Material:

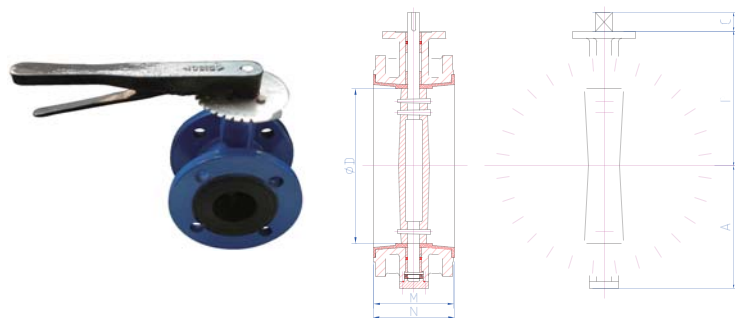
Body:
Cast Iron, Ductile Iron, Cast Steel, Stainless Steel
Disc:
Ductile Iron, Nylon or PTFE Coating, Bronze, Stainless steel
Seat:
HYPALON, EPDM, NBR, VITON, PTFE, NEOPRENE
Shaft and Pin:
ASTM A182-F304/F316/410/416, MONEL K500

Pressure Rating:

PN16 ≤DN200
PN10 ≥DN250

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
A	124	161	175	181	200	213	226	260	292	337
B	69	80	89	95	114	127	139	175	203	242
C	33	42	44.7	45.2	52.1	54.4	55.8	60.6	65.6	76.9
D	42.6	52.9	64.5	78.8	104	123.3	155.7	202.4	250.4	301.5
d0	12.6	12.6	12.6	12.6	15.77	18.92	18.92	22.1	28.45	31.8
L	32	32	32	32	32	32	32	45	45	45

Double Flanged Butterfly Valve With Pin



Standards:

Design:
API 609, BS EN 593, Din 3352
Face To Face:
API 609, BS EN 5558, Din 3202

Main Part Name and Material:

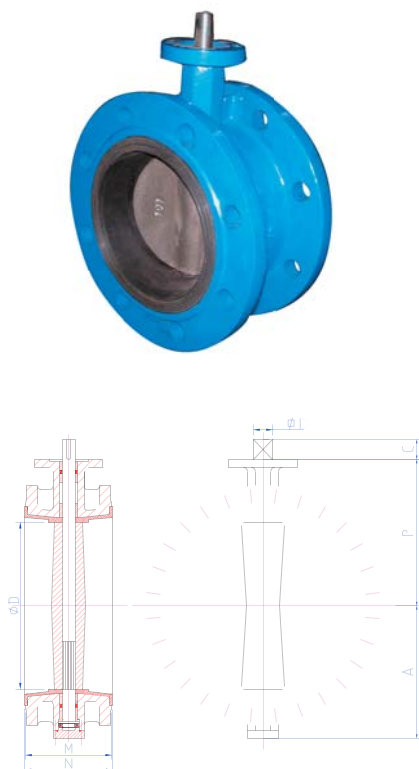
Body:
Cast Iron, Ductile Iron, Cast Steel, Stainless Steel
Disc:
Ductile Iron, Nylon or PTFE Cating, Bronze, Stainless steel
Seat:
HYPALON, EPDM, NBR, VITON, PTFE, NEOPRENE
Shaft and Pin:
ASTM A182-F304/F316/410/416, MONEL K500

Pressure Rating:

PN16 ≤DN200
PN10 ≤DN300
PN6 ≥DN350

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	32"	36"	40"
DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
A	124	161	175	181	200	213	226	260	292	337	368	400	422	480	562	624	672	720	800
B	69	80	89	95	114	127	139	175	203	242	267	309	328	360	459	520	591	656	722
C	33	42	44.7	45.2	52.1	54.4	55.8	60.6	65.6	76.9	76.5	85.7	104.6	130.3	151.4	163	188	203	216
D	42.6	52.9	64.5	78.8	104	123.3	155.7	202.4	250.4	301.5	333.5	389.6	440.5	491.6	592.5	695	794.7	864.7	965
d0	12.6	12.6	12.6	12.6	15.77	18.92	18.92	22.1	28.45	31.8	31.8	33.15	38	41.15	50.65	63.35	63.35	75	85
L	32	32	32	32	32	32	32	45	45	45	45	52	52	53	72	66	66	118	141

Double Flanged Butterfly Valve Without Pin



Standards:

Design:
API 609, BS EN 593, Din 3352
Face To Face:
API 609, BS EN 5558, Din 3202

Main Part Name and Material:

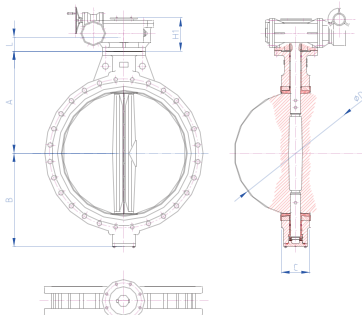
Body:
Cast Iron, Ductile Iron, Cast Steel, Stainless Steel
Disc:
Ductile Iron, Nylon or PTFE Cating, Bronze, Stainless steel
Seat:
HYPALON, EPDM, NBR, VITON, PTFE, NEOPRENE
Shaft and Pin:
ASTM A182-F304/F316/410/416, MONEL K500

Pressure Rating:

PN16 ≤DN200
PN10 ≤DN300
PN6 ≥DN350

Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	32"	36"	40"	48"
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
A	83	93	100	114	125	143	170	198	223	270	300	340	355	410	478	529	584	657	799
B	120	130	145	155	170	190	205	235	280	310	340	375	430	500	560	620	665	735	917
C	32	32	32	32	32	32	45	45	45	45	51	51	57	70	66	66	118	141	150
D	53	64.5	79	104	123	156	202	250	302	334	390	441	492	593	695	188	203	216	276
d0	13	12.6	13	15.8	18.9	19	22	28.5	31.8	31.8	33.2	38	41.2	50.7	63.4	63.4	63.4	75	85
N	111	115	117	130	143	143	155	168	182	194	221	227	234	272	299	325	337	417	478

U-Section Double Flanged Butterfly Valve



Standards:

Design:
API 609, BS EN 593, Din 3352
Face To Face:
API 609, BS EN 5558, Din 3202

Main Part Name and Material:

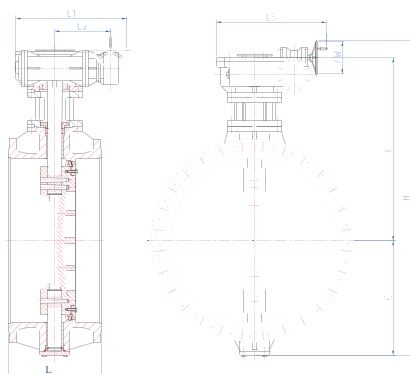
Body:
Cast Iron, Ductile Iron, Cast Steel, Stainless Steel
Disc:
Ductile Iron, Nylon or PTFE Cating, Bronze, Stainless steel
Seat:
HYPALON, EPDM, NBR, VITON, PTFE, NEOPRENE
Shaft and Pin:
ASTM A182-F304/F316/410/416, MONEL K500

Pressure Rating:

PN16 ≤DN200
PN10 ≤DN300
PN6 ≥DN350

Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	30"	32"	36"	40"	42"	48"
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1050	1200
A	161	175	181	200	213	226	260	292	337	368	400	422	480	562	624	660	672	720	800	858	940
B	80	89	95	114	127	139	175	203	242	267	309	328	360	459	520	560	591	656	722	778	864
C	42	44.7	45	52.1	54.4	56	61	65.6	76.9	76.5	85.7	105	130	151	163	167	188	203	216	251	276
D	53	64.5	79	104	123	156	202	250	302	334	390	441	492	593	695	744	795	865	965	1030	1160
d0	13	12.6	13	15.8	18.9	19	22	28.5	31.8	31.8	33.2	38	41.2	50.7	63.4	63.4	63.4	75	85	95	105
L	32	32	32	32	32	32	45	45	45	45	52	52	53	72	88	88	88	118	141	150	150

High Performance Flanged Butterfly Valve



Standards:

Design:
API 609, BS EN 593, Din 3352
Face To Face:
API 609, BS EN 5558, Din 3202

Main Part Name and Material:

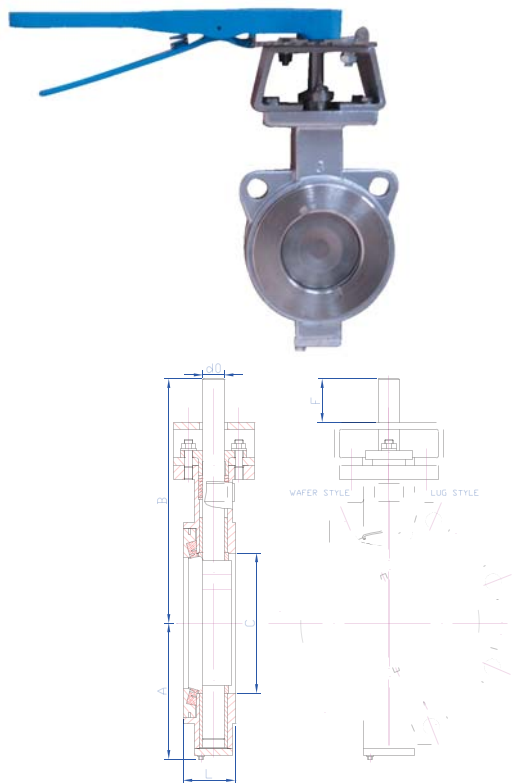
Body:
Cast Iron, Ductile Iron, Cast Steel, Stainless Steel
Disc:
Ductile Iron, Nylon or PTFE Cating, Bronze, Stainless steel
Seat:
HYPALON, EPDM, NBR, VITON, PTFE, NEOPRENE
Shaft and Pin:
ASTM A182-F304/F316/410/416, MONEL K500

Pressure Rating:

PN16 ≤DN300
PN10 ≤DN400
PN6 ≥DN450

Size	12"	14"	16"	18"	20"	24"	28"	32"	36"	40"	48"
DN	300	350	400	450	500	600	700	800	900	1000	1200
H	959	1048	1120	1190	1280	1409	1613	1736	1860	2107	2326
B	542	583	620	667	702	759	885	1013	1071	1234	1343
C	267	315	350	373	428	—	528	573	639	723	833
L(Short parreten	114	127	140	152	152	178	229	241	241	300	350
L(Long parreten	270	290	310	330	350	390	430	470	510	550	630
d0	32	31.8	33.2	38	41.2	50.7	63.4	63.4	63.4	75	85
L1	449	449	449	449	486	627	627	635	635	955	955
L2	178	178	178	178	196	244	244	270	270	455	455
L3	473	473	473	473	528	596	596	711	711	807	807
W	300	300	300	300	300	400	400	300	300	300	300

High Performance Wafer Butterfly Valve With Pin



Standards:

Design:
API 609, BS EN 593, Din 3352
Face To Face:
API 609, BS EN 5558, Din 3202

Main Part Name and Material:

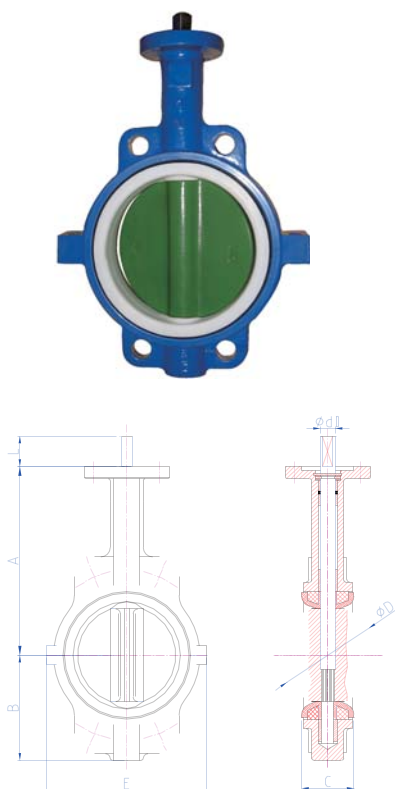
Body:
Cast Iron, Ductile Iron, Cast Steel, Stainless Steel
Disc:
Ductile Iron, Nylon or PTFE Cating, Bronze, Stainless steel
Seat:
HYPALON, EPDM, NBR, VITON, PTFE, NEOPRENE
Shaft and Pin:
ASTM A182-F304/F316/410/416, MONEL K500

Pressure Rating:

PN16 ≤ DN200
PN10 ≤ DN300
PN6 ≥ DN400

Size	2-1/2"	3"	4"	6"	8"	10"	12"
DN	65	80	100	150	200	250	300
A	84	94	109	138	164	192	225
B	193.4	203	243	272	314	387	442
C	70	86	110	160	210	262	310
L	47.6	47.6	54	57.2	63.5	71.5	81
d0	14.25	14.3	15.8	22.1	28.5	28.5	31.7
F	25.4	25.4	25.4	25.4	44.5	74.6	77

Up-Down Body Butterfly Valve Without Pin



Standards:

Design:
API 609, BS EN 593, Din 3352
Face To Face:
API 609, BS EN 5558, Din 3202

Main Part Name and Material:

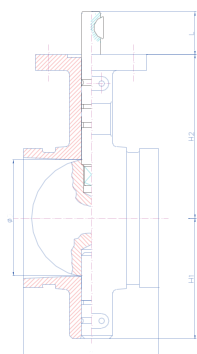
Body:
Cast Iron, Ductile Iron, Cast Steel, Stainless Steel
Disc:
Ductile Iron, Nylon or PTFE Cating, Bronze, Stainless steel
Seat:
HYPALON, EPDM, NBR, VITON, PTFE, NEOPRENE
Shaft and Pin:
ASTM A182-F304/F316/410/416, MONEL K500

Pressure Rating:

PN16 ≤ DN200
PN10 ≥ DN250

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
A	124	161	175	181	200	213	226	260	292	337
B	70	80	89	95	114	127	139	175	203	242
C	33	42	45.8	45.8	52	55	55.8	61.6	67.2	76.9
D	42.6	52.9	64.5	78.8	104	123	155	203	251	302
d0	12.6	12.6	12.6	12.6	15.8	18.9	18.9	22.1	28.5	31.6
L	32	32	32	32	32	32	32	45	45	45

Groove End Butterfly Valve



Standards:

Design:
API 609, BS EN 593, Din 3352
Face To Face:
API 609, BS EN 5558, Din 3202

Main Part Name and Material:

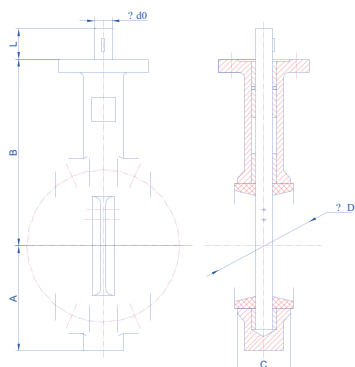
Body:
Cast Iron, Ductile Iron, Cast Steel, Stainless Steel
Disc:
Ductile Iron, Nylon or PTFE Cating, Bronze, Stainless steel
Seat:
HYPALON, EPDM, NBR, VITON, PTFE, NEOPRENE
Shaft and Pin:
ASTM A182-F304/F316/410/416, MONEL K500

Pressure Rating:

PN16 ≤DN200
PN10 ≥DN250

Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	50	65	80	100	125	150	200	250	300
H1	70	75	82	100	116	130	175	233	258
H2	102	106	113	135	148	178	204	250	275
H3	32	32	32	32	32	32	40	40	40
D	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
C	84.6	97.8	97.8	111	149	149	154	160	166

Aluminu Butterfly Valve



Standards:

Design:
API 609, BS EN 593, Din 3352
Face To Face:
API 609, BS EN 5558, Din 3202

Main Part Name and Material:

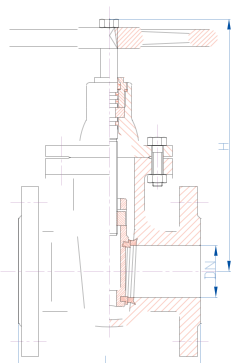
Body:
Aluminu
Disc:
Ductile Iron, Nylon or PTFE Cating, Bronze, Stainless steel
Seat:
HYPALON, EPDM, NBR, VITON, PTFE, NEOPRENE
Shaft and Pin:
ASTM A182-F304/F316/410/416, MONEL K500

Pressure Rating:

PN16 ≤DN100
PN10 ≤DN200
PN6 ≥DN250

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
A	124	161	175	181	200	213	226	260	292	337
B	69	80	89	95	114	127	139	175	203	242
C	33	42	44.7	45.2	52.1	54.4	55.8	60.6	65.6	76.9
D	42.6	52.9	64.5	78.8	104	123.3	155.7	202.4	250.4	301.5
d0	12.6	12.6	12.6	12.6	15.77	18.92	18.92	22.1	28.45	31.8
L	32	32	32	32	32	32	32	45	45	45

DIN F4 Non-Rising Stem Gate Valve



Standards:

Design: DIN3352

Face To Face: DIN3202-F4

Flange: DIN 2531/2532/2533

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

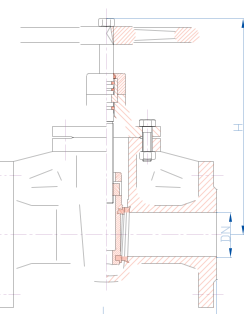
Pressure Rating:

PN16 ≤DN200

PN10 ≤DN300

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
L	140	150	170	180	190	200	210	230	250	270
H	276	296	330	343	372	463	480	603	729	774
W	152	170	170	203	203	229	229	229	337	337

DIN F5 Non-Rising Stem Gate Valve



Standards:

Design: DIN3352

Face To Face: DIN3202-F5

Flange: DIN 2531/2532/2533

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

Pressure Rating:

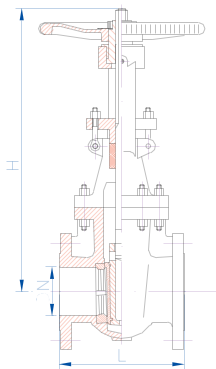
PN16 ≤DN200

PN10 ≤DN300

PN6 ≥DN350

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	240	250	270	280	300	325	350	400	450	500	550	600	650	700	800
H	245	278	302	330	337	430	497	600	711	796	870	950	1050	1180	1275

ANSI Rising Stem Gate Valve



Standards:

Design: MSS SP-70

Face To Face: ANSI B16.10

Flange: ANSI B 16.1 OR B 16.5

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

Pressure Rating:

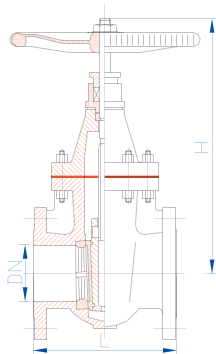
PN16 ≤DN200

PN10 ≤DN300

PN6 ≥DN350

Size	2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	178	190	203	229	254	267	292	330	356	381	406	432	457	508
H	276	336	390	464	550	628	790	960	1122	1272	1355	1543	1700	2040

ANSI Non-Rising Stem Gate Valve



Standards:

Design: MSS SP-70

Face To Face: ANSI B16.10

Flange: ANSI B 16.1 OR B 16.5

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

Pressure Rating:

PN16 ≤DN200

PN10 ≤DN300

PN6 ≥DN350

Size	2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	178	190	203	229	254	267	292	330	356	381	406	432	457	508
H	224	265	300	354	415	466	580	700	802	897	945	1080	1180	1420

ANSI Non-Rising Stem Gate Valve



Standards:

Design: MSS SP-70

Face To Face: ANSI B16.10

Flange: ANSI B 16.1 OR B 16.5

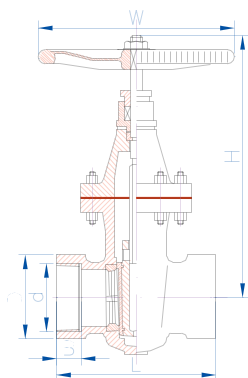
Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

Pressure Rating:

PN16 ≤DN200

PN10 ≤DN300



SIZE	DN	d	H	W	L	B	D	NPT THREADS
2"	50	2"	280	178	178	45	90	2"
2-1/2"	65	2-1/2"	310	178	190	46	110	2-1/2"
3-1/4"	80	3-1/4"	340	203	203	50	123	3-1/2"
4"	100	4"	380	254	229	56	146	4"
5"	125	5"	450	254	254	58	170	5"
6"	150	6"	480	305	267	60	195	6"

BS Non-Rising Stem Gate Valve



Standards:

Design: BS 5150/5163

Face To Face: BS 5150/5163

Flange: BS 4504

Main Part Name and Material:

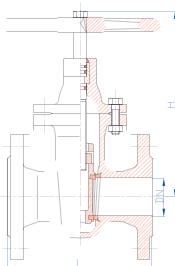
BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

Pressure Rating:

PN16 ≤DN200

PN10 ≤DN300

PN6 ≥DN350



Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700
L	178	190	203	229	254	267	292	330	356	381	406	432	457	508	610
H	224	265	300	354	415	466	580	700	802	897	945	1080	1180	1420	1610

BS Rising Stem Gate Valve



Standards:

Design: BS 5163/5150

Face To Face: BS 5163/5150

Flange: BS 4504

Main Part Name and Material:

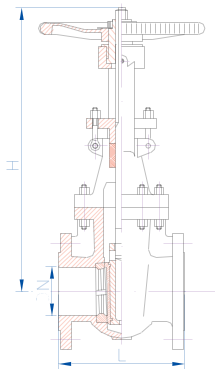
BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

Pressure Rating:

PN16 ≤DN200

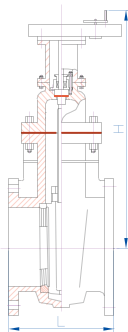
PN10 ≤DN300

PN6 ≥ DN350



Size	2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700
L	178	190	203	229	254	267	292	330	356	381	406	432	457	508	610
H	276	336	390	464	550	628	790	960	1122	1272	1355	1543	1700	2040	2330

BS Big Size Rising Stem Gate Valve



Standards:

Design: API 594

Face To Face: EN558

Flange: ANSI B16.5/BS 4504/DIN 2531/2532/2533

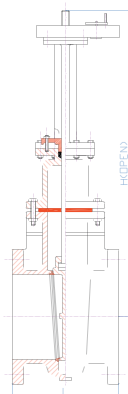
Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC	BRONZE/STAINLESS STEEL
PIN	SS416/SS304/SS316
SEAT	NBR/EPDM/VITON
SPRING	STAINLESS STEEL

Pressure Rating:

PN10 ≤DN300

PN6 ≥DN350



Non-Rising Stem Gate Valve										
Size	14"	16"	18"	20"	24"	28"	32"	36"	40"	48"
DN	350	400	450	500	600	700	800	900	1000	1200
L	381	406	432	457	508	610	660	711	811	960
H	1050	1150	1250	1360	1640	1835	2230	2340	2460	2640
Rising Stem Gate Valve										
Size	14"	16"	18"	20"	24"	28"	32"	36"	40"	48"
DN	350	400	450	500	600	700	800	900	1000	1200
L	381	406	432	457	508	610	660	711	811	960
H	1735	1852	2175	2270	2435	3224	3706	3855	4065	4575

DIN F1 Globe Valve And Globe Type Check Valve



Standards:

Design: DIN3352

Face To Face: DIN3202-F1

Flange: DIN 2531/2532/2533

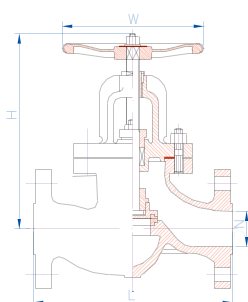
Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

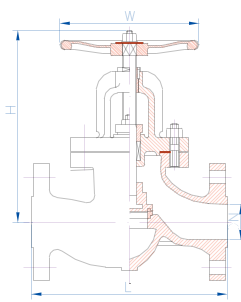
Pressure Rating:

PN16 ≤DN200

PN10 ≤DN300



Globe Valve



Globe Type
Check Valve

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850
H	165	180	195	205	235	250	285	335	370	435	475	555	650	695
W	100	100	120	120	160	200	200	240	240	280	280	400	520	520

DIN F32 Angle Valve And Angle Type Check Valve



Standards:

Design: DIN3352

Face To Face: DIN3202-F32

Flange: DIN 2531/2532/2533

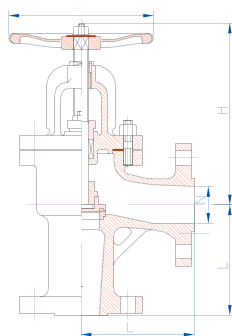
Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

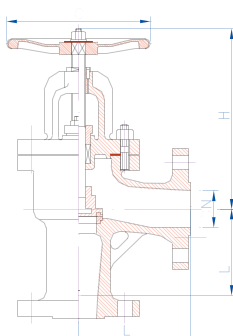
Pressure Rating:

PN16 ≤DN200

PN10 ≤DN300



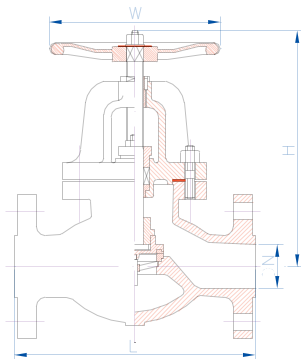
Angle Valve



Angle Type
Check Valve

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
L	90	95	100	105	115	125	145	155	175	200	225	275	325	375
H	156	170	186	198	226	234	276	326	364	418	458	545	635	705
C	100	100	120	120	160	200	200	240	240	280	280	400	520	520

BS Globe Valve



Standards:

Design: BS5152

Face To Face: BS5152

Flange: BS4504

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

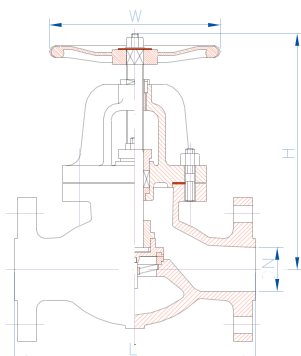
Pressure Rating:

PN16 ≤DN200

PN10 ≤DN300

Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	50	65	80	100	125	150	200	250	300
L	8"	8-1/2"	9-1/2"	11-1/2"	13"	14"	19-1/2"	24-1/2"	27-1/2"
H	10-3/4"	11-3/4"	12-1/4"	13-7/8"	14-3/4"	16-3/4"	20-1/4"	24-1/2"	30"
W	7"	7"	8"	10"	10"	12"	14"	16"	18"

ANSI Globe Valve



Standards:

Design: MSS SP-70

Face To Face: ANSI B16.10

Flange: ANSI B 16.1 OR B 16.5

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

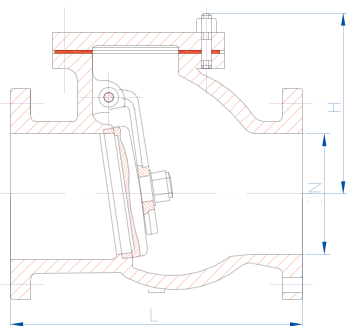
Pressure Rating:

PN16 ≤DN200

PN10 ≤DN300

Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	50	65	80	100	125	150	200	250	300
L	8"	8-1/2"	9-1/2"	11-1/2"	13"	14"	19-1/2"	24-1/2"	27-1/2"
H	10-3/4"	11-3/4"	12-1/4"	13-7/8"	14-3/4"	16-3/4"	20-1/4"	24-1/2"	30"
W	7"	7"	8"	9"	12"	12"	14-3/4"	16"	18"

DIN F6 Swing Check Valve



Standards:

Design: DIN3352

Face To Face: DIN3202-F6

Flange: DIN 2531/2532/2533

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

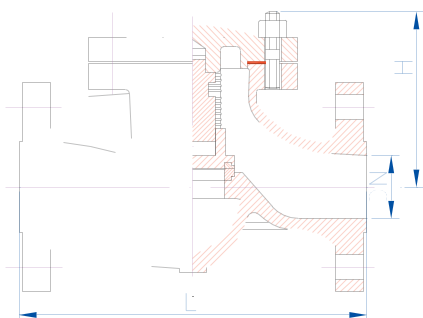
Pressure Rating:

PN16 ≤DN200

PN10 ≤DN300

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
L	180	200	240	260	300	350	400	500	600	700
H	120	125	130	160	185	195	205	285	320	340

DIN F1 Lift Check Valve



Standards:

Design: DIN3352

Face To Face: DIN3202-F1

Flange: DIN 2531/2532/2533

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

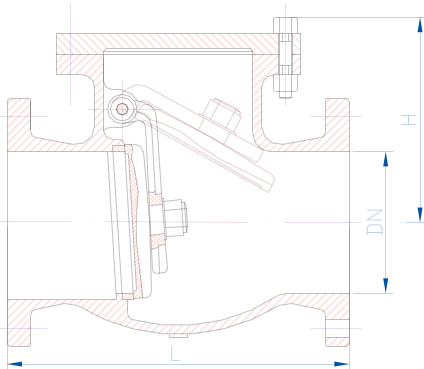
Pressure Rating:

PN16 ≤DN200

PN10 ≤DN300

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
L	200	230	290	310	350	400	480	600	730	850
H	95	100	115	135	145	160	180	270	320	350

BS Swing Check Valve



Standards:

Design: BS5153

Face To Face: BS5153

Flange: BS4504

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

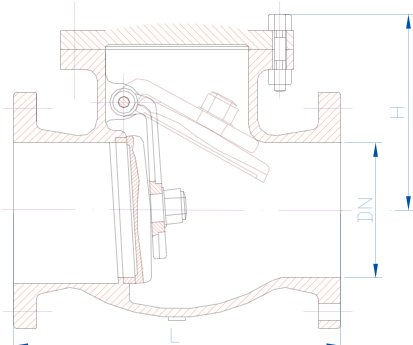
Pressure Rating:

PN16 ≤DN200

PN10 ≤DN300

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
L	6-1/2"	8"	8-1/2"	9-1/2"	11-1/2"	13"	14"	19-1/2"	24-1/2"	27-1/2"
H	5"	5-1/8"	5-1/3"	6"	7-1/3"	7-3/4"	9-1/4"	11-1/4"	12"	13-7/8"

ANSI Swing Check Valve



Standards:

Design: MSS SP-71

Face To Face: MSS SP-71

Flange: ANSI B 16.1 OR B 16.5

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC FACING	BRASS/BRONZE/13CR/SS304
SEAT FACING	BRASS/BRONZE/13CR/SS304
STEM	2CR13/SS304

Pressure Rating:

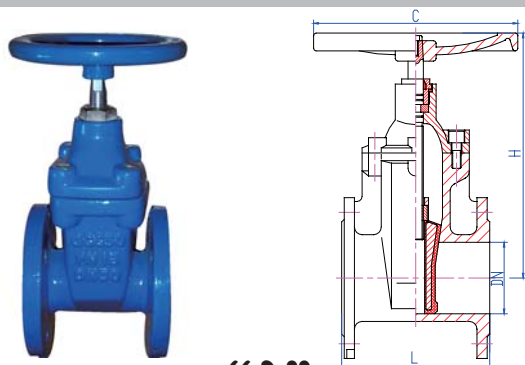
PN16 ≤DN200

PN10 ≤DN300

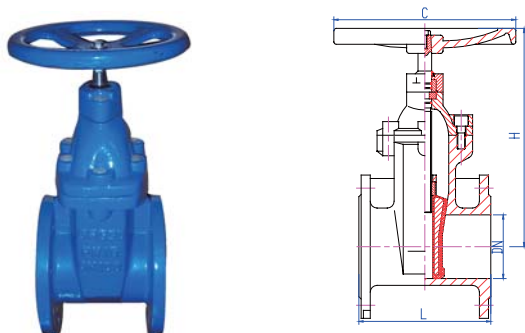
PN6 ≥DN350

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"
DN	40	50	65	80	100	125	150	200	250	300	350
L	6-1/2"	5"	8-1/2"	9-1/2"	11-1/2"	13"	14"	19-1/2"	24-1/2"	27-1/2"	31"
H	5"	5-1/8"	5-1/3"	6"	7-1/3"	7-3/4"	9-1/4"	11-1/4"	12"	13-7/8"	15-7/8"

DIN F4 Non-Rising Stem Resilient Gate Valve



“A”



“O”

Standards:

Design: Din 3352

Face To Face: Din 3202-F4

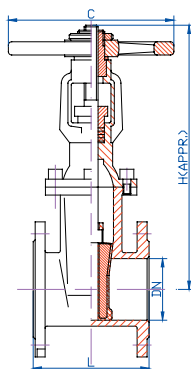
Flange: DIN2531/DIN2532/DIN2533(PN6/PN10/PN16)

Main Part Name and Material:

PARTS NAME	MATERIAL
BODY	GGG50
DISC	GGG50+EPDM/NBR
STEM NUT	BRASS
STEM	X20CR13
BONNET	GGG50
HANDWHEEL	STEEL/GGG50
DUST RING	EPDM/NBR
SEALING RING	PTFE
O-RING	NBR/EPDM
NUT	BRASS
HOLDING RING	BRASS

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"
DN	40	50	65	80	100	125	150	200	250	300	350
L	140	150	170	180	190	200	210	230	250	270	290
H	240	240	275	300	330	460	460	520	620	705	1090
C	160	180	180	200	250	280	280	320	350	400	450

DIN F4 Rising Stem Resilient Gate Valve



Standards:

Design: Din 3352

Face To Face: Din 3202-F4

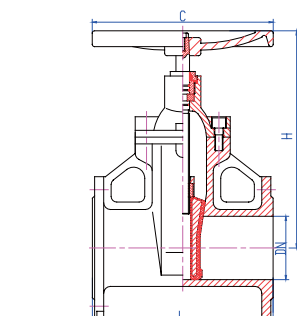
Flange: DIN2531/DIN2532/DIN2533(PN6/PN10/PN16)

Main Part Name and Material:

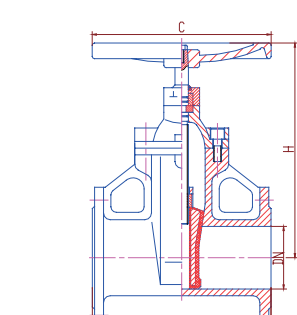
PARTS NAME	MATERIAL
BODY	GGG50
DISC	GGG50+EPDM/NBR
STEM NUT	BRASS
STEM	X20CR13
BONNET	GGG50
HANDWHEEL	STEEL/GGG50
DUST RING	EPDM/NBR
SEALING RING	PTFE
O-RING	NBR/EPDM
NUT	BRASS
HOLDING RING	BRASS

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"
DN	40	50	65	80	100	125	150	200	250	300	350
L	140	150	170	180	190	200	210	230	250	270	290
H	240	240	275	300	330	460	460	520	620	705	1090
C	160	180	180	200	250	280	280	320	350	400	450

DIN F5 Non-Rising Stem Resilient Gate Valve



"A"



"O"

Standards:

Design: Din 3352

Face To Face: Din 3202-F5

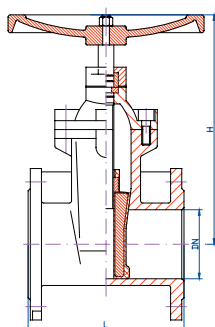
Flange: DIN2531/DIN2532/DIN2533(PN6/PN10/PN16)

Main Part Name and Material:

PARTS NAME	MATERIAL
BODY	GGG50
DISC	GGG50+EPDM/NBR
STEM NUT	BRASS
STEM	X20CR13
BONNET	GGG50
HANDWHEEL	STEEL/GGG50
DUST RING	EPDM/NBR
SEALING RING	PTFE
O-RING	NBR/EPDM
NUT	BRASS
HOLDING RING	BRASS

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
L	240	250	270	280	300	325	350	400	450	500
H	240	240	275	300	330	460	460	520	620	705
C	160	180	180	200	250	280	280	320	350	400

BS Non-Rising Stem Resilient Gate Valve



Standards:

Design: BS5163

Face To Face: BS5163

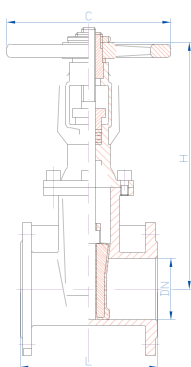
Flange: BS4504

Main Part Name and Material:

PARTS NAME	MATERIAL
BODY	GGG50
DISC	GGG50+EPDM/NBR
STEM NUT	BRASS
STEM	X20CR13
BONNET	GGG50
HANDWHEEL	STEEL/GGG50
DUST RING	EPDM/NBR
SEALING RING	PTFE
O-RING	NBR/EPDM
NUT	BRASS
HOLDING RING	BRASS

Size	2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	178	190	203	229	254	267	292	330	356	381	406	432	457	508
H	254	285	329	386	425	474	574	670	800	897	1100	1225	1325	1420

BS Rising Stem Resilient Gate Valve



Standards:

Design: BS5163

Face To Face: BS5163

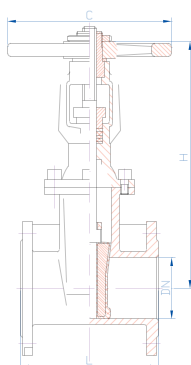
Flange: BS4504

Main Part Name and Material:

PARTS NAME	MATERIAL
BODY	GGG50
DISC	GGG50+EPDM/NBR
STEM NUT	BRASS
STEM	X20CR13
BONNET	GGG50
HANDWHEEL	STEEL/GGG50
DUST RING	EPDM/NBR
SEALING RING	PTFE
O-RING	NBR/EPDM
NUT	BRASS
HOLDING RING	BRASS

Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	50	65	80	100	125	150	200	250	300
L	178	190	203	229	254	267	292	330	356
H	279	285	294	324	375	429	531	614	690
C	180	180	200	250	280	280	320	350	400

ANSI Rising Stem Resilient Gate Valve



Standards:

Design: MSS SP-70

Face To Face: ANSI B16.10

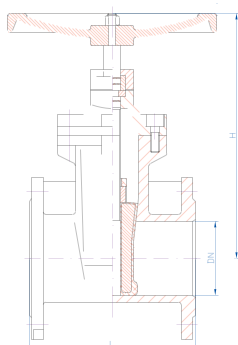
Flange: ANSI B16.5

Main Part Name and Material:

PARTS NAME	MATERIAL
BODY	GGG50
DISC	GGG50+EPDM/NBR
STEM NUT	BRASS
STEM	X20CR13
BONNET	GGG50
HANDWHEEL	STEEL/GGG50
DUST RING	EPDM/NBR
SEALING RING	PTFE
O-RING	NBR/EPDM
NUT	BRASS
HOLDING RING	BRASS

Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	50	65	80	100	125	150	200	250	300
L	7-1/64"	7-1/2"	8"	9"	10"	10-1/2"	11-1/2"	13"	14-1/64"
H	11"	11-1/5"	11-3/5"	12-4/5"	14-4/5"	16-9/10"	21"	24-1/5"	27-1/5"
C	7-9/10"	7-9/10"	9-4/5"	11"	12-3/5"	12-3/5"	13-4/5"	16"	17-7/10"

ANSI Non-Rising Stem Resilient Gate Valve



Standards:

Design: MSS SP-70

Face To Face: ANSI B16.10

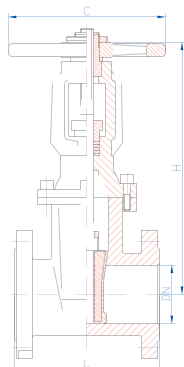
Flange: ANSI B16.5

Main Part Name and Material:

PARTS NAME	MATERIAL
BODY	GGG50
DISC	GGG50+EPDM/NBR
STEM NUT	BRASS
STEM	X20CR13
BONNET	GGG50
HANDWHEEL	STEEL/GGG50
DUST RING	EPDM/NBR
SEALING RING	PTFE
O-RING	NBR/EPDM
NUT	BRASS
HOLDING RING	BRASS

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Size	2"	2.5"	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
H	254	285	329	386	425	474	574	670	800	897	1100	1225	1325	1420

AWWAC509 Non-Rising Stem Resilient Gate Valve



Standards:

Design: AWWA C509

Face To Face: ANSI B16.10

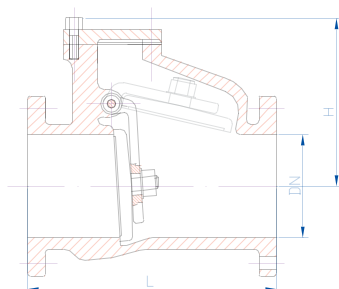
Flange: ANSI B16.5

Main Part Name and Material:

PARTS NAME	MATERIAL
BODY	GGG50
DISC	GGG50+EPDM/NBR
STEM NUT	BRONZE
STEM	X20CR13
BONNET	GGG50
HANDWHEEL	STEEL/GGG50
DUST RING	EPDM/NBR
SEALING RING	PTFE
O-RING	NBR/EPDM
NUT	BRONZE
HOLDING RING	BRONZE

Size	2-1/2"	3"	4"	6"	8"	10"	12"
DN	65	80	100	150	200	250	300
L	190	203	229	267	292	330	256
H	453	500	534	744	939	1139	1326
C	200	200	260	315	375	416	445

BS Swing check Valve



Standards:

Design: BS5153

Face To Face: BS5153

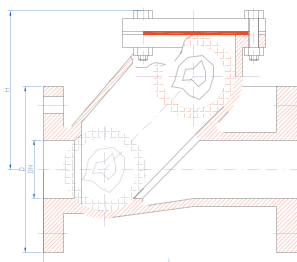
Flange: BS4504

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC	DUCTILE IRON/EPDM
SWING ARM	CAST IRON OR DUCTILE IRON
O-RING	CARBON STEEL
DISC NUT	CARBON STEEL
PIN	2CR13
COVER	CAST IRON OR DUCTILE IRON
COVER STUD	CARBON STEEL
COVER NUT	CARBON STEEL

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
L	6-1/2"	5"	8-1/2"	9-1/2"	11-1/2"	13"	14"	19-1/2"	24-1/2"	27-1/2"
H	5"	5-1/8"	5-1/3"	6"	7-1/3"	7-3/4"	9-1/4"	11-1/4"	12"	13-7/8"

Ball Type Check Valve



Standards:

Design: DIN 3352

Face To Face: ANSI B16.10/DIN 3202-F1 OR F6/BS5153

Flange: ANSI B16.5/BS 4504/DIN 2531 OR 2532 OR 2533

Main Part Name and Material:

Screw & Bolt	Steel with zinc
Bonnet	Cast iron / Ductile iron
Bonnet gasket	NBR / EPDM
Ball	NBR / EPDM
Body	Cast iron / Ductile iron

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	40	50	65	80	100	125	150	200	250	300
L(F6)	180	200	240	260	300	320	350	500	600	700
L(F1)	200	220	290	310	350	380	420	600	730	850
L(ANSI&1	6-1/2"	5"	8-1/2"	9-1/2"	11-1/2"	13"	14"	19-1/2"	24-1/2"	27-1/2"
H	120	130	130	160	185	200	210	285	320	340

Lining Type Double Door Check Valve



Standards:

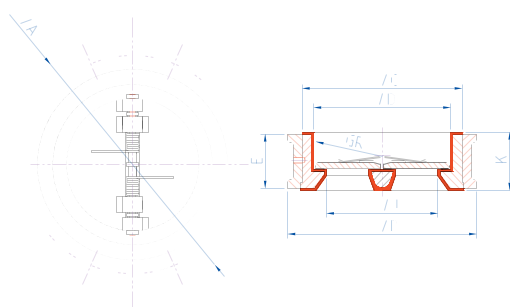
Design: API 594

Face To Face: EN558

Flange: ANSI B16.5/BS 4504/DIN 2531/2532/2533

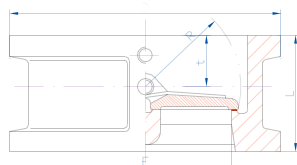
Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC	BRONZE OR DUCTILE IRON OR STAINLESS STEEL
PIN	SS410 OR SS416 OR SS304 OR SS316
SPRING	STAINLESS STEEL
INSERT BODY	CAST IRON/EPDM OR DUCTILE IRON/EPDM
BOLT	STAINLESS STEEL



	A	B	C	D	GR	J	E	F
DN50	158.75	101.6	84.14	66.68	28.58	47.63	52.39	53.98
DN65	177.8	120.65	98.43	79.38	36.51	58.74	25.39	53.98
DN80	190.5	133.35	115.89	92.08	41.28	69.85	25.39	53.98
DN100	234.95	171.45	142.88	117.48	53.98	87.31	61.91	63.5
DN125	269.88	193.68	171.45	144.46	67.47	112.71	65.09	66.68
DN150	304.8	222.25	200.03	171.45	80.17	141.29	77.79	79.38
DN200	368.3	269.88	254	222.25	105.57	192.09	96.84	98.43
DN250	428.63	336.55	307.98	276.23	130.18	230.19	100.01	101.6
DN300	495.3	406.4	365.13	327.03	158.75	274.64	128.59	130.18
DN350	571.5	447.68	396.88	358.78	171.45	306.39	177.8	180.98
DN400	631.83	511.18	450.85	409.58	196.85	355.6	158.75	161.93
DN450	641.35	546.1	508	460.37	222.75	406.14	180.97	184.15
DN500	698.5	596.9	555.62	511.17	247.65	469.9	212.72	215.9
DN600	819.15	714.37	657.22	612.77	298.45	565.15	212.72	215.9

Wafer Type Double Door Check Valve



Standards:

Design: API 594

Face To Face: EN558

Flange: ANSI B16.5/BS 4504/DIN 2531/2532/2533

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC	BRONZE/STAINLESS STEEL
PIN	SS416/SS304/SS316
SEAT	NBR/EPDM/VITON
SPRING	STAINLESS STEEL

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	43	43	46	64	64	70	76	89	114	114	127	140	152	152	178
D	78	107	127	142	162	192	218	273	328	378	438	489	539/555	594/61	695/734
E	57	65	80	94	117	145	170	224	265	310	360	410	450	505	624
t	19	19	20	25	27	30	31	33	40	43	45	52	58	58	73
R	26	28.8	36.1	43.4	52.8	65.7	78.6	104.4	127	148.3	172.4	194.4	217.8	241	295.4

Foot Valve



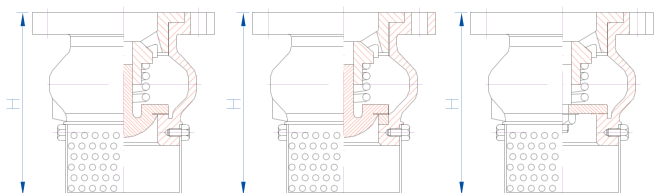
Standards:

Design: ISO Standards

Flanged: ANSI B16.1/B16.5, DIN2531/2532/2533, BS 4504

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC	CAST IRON OR DUCTILE IRON
SPRING	STAINLESS STEEL OR STEEL PLATED ZIN
SCREEN	STAINLESS STEEL



Size	2"	2-1/2"	3"	4"	5"	6"
DN	50	65	80	100	125	150
L	178	190	203	229	254	267
H	280	310	340	380	450	480
W	178	178	203	254	254	305

ANSI Rising Stem Knife Gate Valve



Standards:

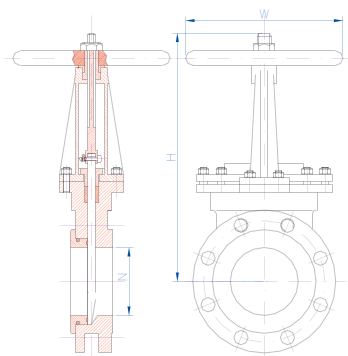
Design: MSS SP-80

Face To Face: MSS SP-80

Flange: ANSI B16.1 Or B16.5

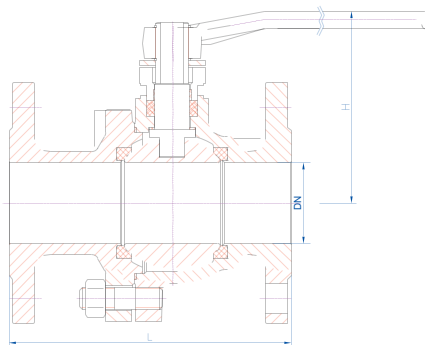
Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
KNIFE	SS304/SS316
SEAT FACING	EPDM/PTFE/BRONZE/BRASS
STEM	F6a/SS304/SS316



Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	55	55	55	55	60	60	70	80	80	90	90	130	130	130
H	302	317	340	377	430	525	670	771	895	982	1245	1338	1465	1658
W	240	240	240	280	280	360	360	400	400	500	500	500	500	720

ANSI Ball Valve



Standards:

Design: MSS SP-70

Face To Face: ANSI B16.10

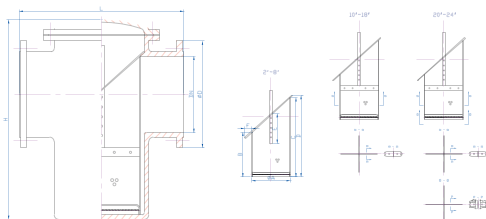
Flange: ANSI B 16.1 OR B 16.5

Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
BALL	SS304 OR SS316
SEAT	PTFE
STEM	2CR13 OR SS304 OR SS316

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"
DN	15	20	25	32	40	50	65	80	100	125	150	200	250
L	108	117	127	140	165	178	190	203	229	356	394	457	533
H	59	63	75	86	97	131	142	170	201	252	286	340	400

BS Basket Strainer



Standards:

Design: BS5163

Face To Face: BS5163

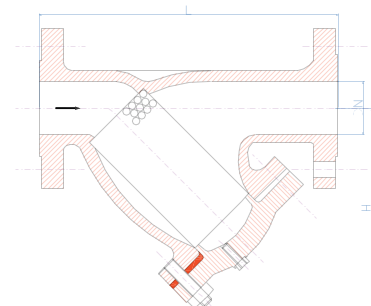
Flange: BS4504

Main Part Name and Material:

Bottom Nut	Steel with zinc/stainless steel
Body	Cast iron / Ductile iron
Screen	Stainless steel
Bonnet	Cast iron / Ductile iron
Top Nut	Steel with zinc/stainless steel
Screw & Bolt	Steel with zinc/stainless steel

DN	50	65	80	100	150	250	350	400	450	500	600
L	206	210	251	292	378	511	768	841	975	1054	1054
D	165	185	200	220	285	405	520	580	640	715	840
H	210	225	343	365	359	584	889	946	1089	1219	1270
A		66	78		135	206	342	397	428	478	
B		75	95		118	170	317	320	430	480	
C		138	170		235	370	680	700	858	955	
D		130	215		318	518	821	903	1065	1162	
E		50	60		76	100	205	220	220	265	
F		8	12		15	19	19	19	19	22	

DIN F1 Y-Strainer



Standards:

Design: DIN3352

Face To Face: DIN3202-F1

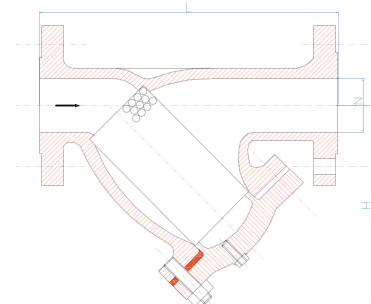
Flange: DIN 2531/2532/2533

Main Part Name and Material:

BODY	ATEM A126
SCREEN	SS304
COVER	ASTM A126

Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
H	90	100	110	125	140	160	185	200	225	280	360	440	525	585	670	750

BS Y-Strainer



Standards:

Design: BS2080

Face To Face: BS2080

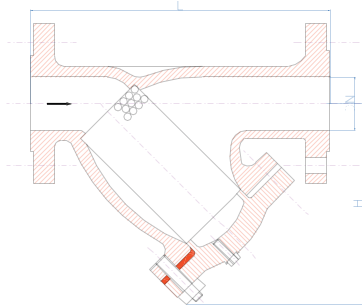
Flange: BS 4504

Main Part Name and Material:

BODY	ATEM A126
SCREEN	SS304
COVER	ASTM A126

Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	50	65	80	100	125	150	200	250	300
L	220	270	290	350	390	440	540	660	720
H	120	140	170	220	260	300	360	440	525

ANSI Y-Strainer



Standards:

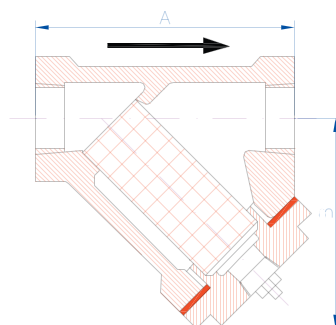
Design: MSS SP-71
Face To Face: ANSI B16.10
Flange: ANSI B16.1 OR B16.5

Main Part Name and Material:

BODY	ATEM A126
SCREEN	SS304
COVER	ASTM A126

Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	50	65	80	100	125	150	200	250	300
L	8-22/25"	10-3/4"	11-1/2"	13-7/8"	16-1/2"	18-1/2"	21-3/8"	26"	30"
H	4-3/4"	5-1/2"	6-7/10"	8-5/8"	10-1/4"	11-4/5"	14-1/8"	17-3/8"	20-7/10"

ANSI Class 250 Y-Strainer



Standards:

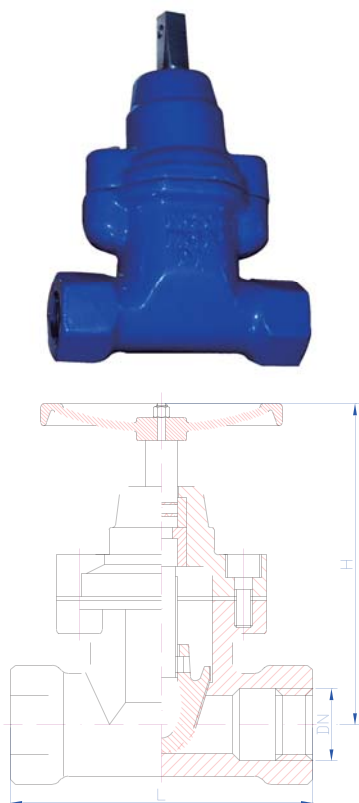
Design: MSS SP-71
Face To Face: ANSI B16.10
Thread: NPT Or BSP/BSPT Or DIN2999

Main Part Name and Material:

BODY	ATEM A126
SCREEN	SS304
COVER	ASTM A126

Size	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
DN	8	10	15	20	25	32	40	50	65	80
L	3-3/16"	3-3/16"	3-3/16"	3-3/4"	4"	5"	5-3/4"	7"	9-1/4"	10"
H	1-31/32"	1-31/32"	1-31/32"	2-11/16"	3"	3-7/16"	3-25/32"	4-11/32"	6-3/32"	7-2/5"

Service Connection Valve



Standards:

Design:
Factory standards
Face To Face:
Factory standards
Thread:
NPT, BSP, BSPT, DIN2999

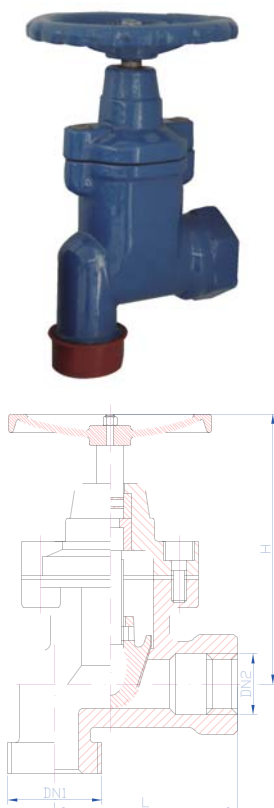
Main Part Name and Material:

Body:
Cast Iron, Ductile Iron
Disc:
Brass/NBR or Brass /EPDM
Shaft and Pin:
2CR13/SS304

Pressure Rating:
PN16

Size	1 "	2 "
DN	25	50
L	134	169
H	230	292

Angle Type Resilient Globe Valve



Standards:

Design:
Factory standards
Face To Face:
Factory standards
Thread:
NPT, BSP, BSPT, DIN2999

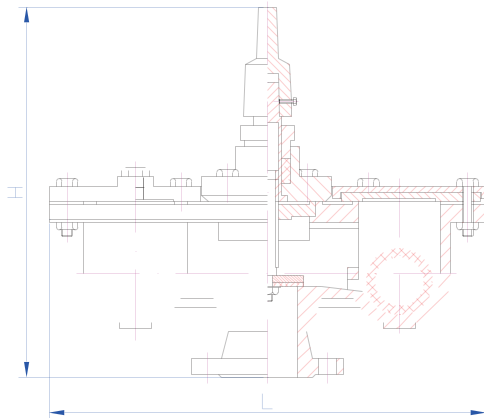
Main Part Name and Material:

Body:
Cast Iron, Ductile Iron
Disc:
Brass/NBR or Brass /EPDM
Shaft and Pin:
2CR13/SS304

Pressure Rating:
PN16

Size	1 3/4 "	1 1/2 "	1 1/4 "	1 "	3/4 "
DN1×DN2	25X20	25X25	32X25	50X50	65X50
L	83	83	83	132	132
H	230	230	230	292	292

Double Ball Air Valve



Standards:

Design:
API 609, BS EN 593, Din 3352
Face To Face:
API 609, BS EN 5558, Din 3202

Main Part Name and Material:

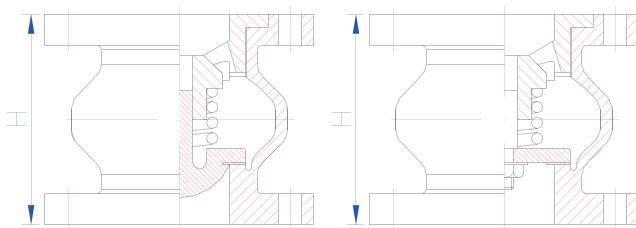
Body:
Cast Iron, Ductile Iron, Cast Steel, Stainless Steel
Disc:
Ductile Iron, Nylon or PTFE Cating, Bronze, Stainless steel
Seat:
HYPALON, EPDM, NBR, VITON, PTFE, NEOPRENE
Shaft and Pin:
ASTM A182-F304/F316/410/416, MONEL K500

Pressure Rating:

PN16 ≤DN300

Size	2"	3"	4"	6"	8"
DN	50	80	100	150	200
H	454	454	540	710	800
L	268	504	555	742	850
W	184	200	236	285	340

Resilient Check Valve



Standards:

Design: ISO Standards
Flanged: ANSI B16.1/B16.5, DIN2531/2532/2533, BS 4504

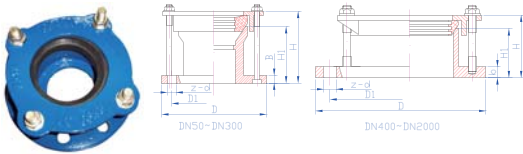
Main Part Name and Material:

BODY	CAST IRON OR DUCTILE IRON
DISC	CAST IRON OR DUCTILE IRON
SPRING	STAINLESS STEEL OR STEEL PLATED ZIN
DISC RING	NBR/EPDM

Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
DN	50	65	80	100	125	150	200	250	300
H	120	120	140	170	200	220	288	344	385

Flange Adaptor And Jiont Collar

Flange Adaptor



Standards:

Flange: BS 4504

Main Part Name and Material:

BODY	DUCTILE IRON
STUB	CARBON STEEL PLATED ZINC
GLAND RING	DUCTILE IRON
WASHER	CARBON STEEL PLATED ZINC
NUT	CARBON STEEL PLATED ZINC
SEAL RING	NBR/EPDM

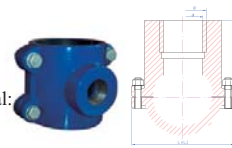
Jiont Collar

Standards:

Flange: BS 4504

Main Part Name and Material:

BODY	DUCTILE IRON
STUB	CARBON STEEL PLATED ZINC
GLAND RING	DUCTILE IRON
WASHER	CARBON STEEL PLATED ZINC
NUT	CARBON STEEL PLATED ZINC
SEAL RING	NBR/EPDM



Flanged Adaptor For Steel Or uPVC Or Metric Ductile Iron Pipe

Size	Pipe Size	D	D1	H	H1	b	Z-d	Wt.(kg)
50	62-72	Ø165	Ø125	105.7	67.5	18	4-Ø19	4.2
65	75-84	Ø185	Ø145	105.7	67.5	18	4-Ø19	4.7
80	88-102	Ø200	Ø160	105.7	67.5	19	8-Ø19	5.7
100	108-124	Ø220	Ø180	105.7	67.5	19	8-Ø19	6.2
125	125-140	Ø250	Ø210	105.7	67.5	19	8-Ø19	8.3
150	159-175	Ø285	Ø240	105.7	67.5	19	8-Ø23	9.4
150b	176-188	Ø285	Ø240	105.7	67.5	19	8-Ø23	9.6
175	184-198	Ø315	Ø270	115	75	19	8-Ø23	11
200	219-234	Ø340	Ø295	115	75	20	12-Ø23	12.7
200b	234-255	Ø340	Ø295	115	75	20	12-Ø23	13.5
225	242-262	Ø370	Ø325	130	90	20	12-Ø23	15
250	265-280	Ø400	Ø355	130	90	22	12-Ø23	18.5
250b	284-297	Ø400	Ø355	130	90	22	12-Ø28	21.1
300	315-331	Ø455	Ø410	130	90	24.5	12-Ø28	23.8
300b	335-348	Ø455	Ø410	130	90	24.5	12-Ø28	24.8
400	429	Ø580	Ø525	140	97	25	16-Ø31	39
500	532	Ø715	Ø650	140	97	25	20-Ø34	52
600	635	Ø840	Ø770	140	97	25	20-Ø37	69
700	738	Ø910	Ø840	140	97	25	24-Ø37	81
800	842	Ø1025	Ø950	145	97	25	24-Ø40	105
1000	1048	Ø1255	Ø1170	155	112	25	28-Ø43	130
1100	1152	Ø1355	Ø1270	172	125	38	32-Ø43	175
1200	1255	Ø1485	Ø1390	172	125	38	32-Ø49	202
1400	1462	Ø1685	Ø1590	172	125	38	36-Ø49	240
1600	1668	Ø1930	Ø1820	270	220	38	40-Ø57	460
1800	1875	Ø2130	Ø2020	270	220	58	44-Ø57	510
2000	2082	Ø2345	Ø2230	270	220	58	48-Ø63	568

DN	R 1"	R 1-1/4"	R 1-1/2"	R 2"	R 1"	R 1-1/4"	R 1-1/2"	R 2"	L	L1
50	27				56				110	80
63	27	33		40	57	62		62	68	124
75	27	33		40	56	63		68	73	135
90	27	33		40	50	71		75	80	150
110	27	33		40	50	81		85	90	170
125	27	33		40	50	87		93	98	192
140	27	33		40	50	96		100	106	208
160	27	33		40	50	106		111	116	230
200	27	33		40	50	132		132	137	282
225	27	33		40	50	143		145	150	310

Coupling



Main Part Name and Material:

BODY	DUCTILE IRON
STUB	CARBON STEEL PLATED ZINC
GLAND RING	DUCTILE IRON
WASHER	CARBON STEEL PLATED ZINC
NUT	CARBON STEEL PLATED ZINC
SEAL RING	NBR/EPDM

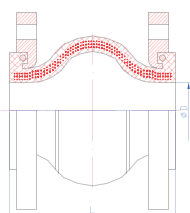
For Metric Ductile Iron Pipe

NOM DIA	PIPE O.D.	O.D. TOP	L	A	B	SLEEVE	PLUGS NO	BOLTS	MAX. PRESS.	APPROX. WEIGHT	
50	60.3	2.375	100	140	148	5.0	83	1	2	1/2x140	7.0
65	69.9	2.750	100	156	168	5.6	102	1	2	1/2x160	7.9
80	73.0	2.875	100	156	168	5.6	102	1	2	1/2x160	7.9
65	76.2	3.000	100	156	168	5.6	102	1	2	1/2x160	7.9
85	82.6	3.250	100	170	168	6.0	102	1	2	1/2x160	7.9
80	88.9	3.500	100	170	168	6.0	102	1	3/4	1/2x160	7.9
90	101.6	4.000	100	180	168	6.4	102	1	3/4	1/2x160	7.9
100	108.0	4.250	100	194	168	6.4	102	1	3/4	1/2x160	7.9
100	114.3	4.500	100	200	168	6.4	102	1	3/4	1/2x160	7.9
100	127.0	5.000	100	213	168	6.4	102	1	4	1/2x160	7.9
125	133.4	5.250	100	220	168	6.4	102	1	4	1/2x160	6.7
125	139.7	5.500	100	228	168	6.4	102	1	4	1/2x160	6.8
125	141.3	5.563	100	228	168	6.4	102	1	4	1/2x160	6.8
150	152.4	6.000	100	245	168	6.4	102	1	4	1/2x160	6.8
150	158.8	6.250	100	251	168	6.4	102	1	4	1/2x160	6.8
150	165.1	6.500	100	258	168	6.4	102	1	4	1/2x160	6.8
150	168.3	6.625	100	260	168	6.4	102	1	4	1/2x160	6.8
175	177.8	7.000	100	272	168	6.4	102	1	4	1/2x160	6.8
175	193.7	7.625	100	288	173	6.4	102	1	4	1/2x160	5.8
200	216.2	8.516	100	312	173	6.4	102	1	5/8	1/2x160	5.8
200	219.1	8.625	100	314	173	6.4	102	1	5/8	1/2x160	5.8
225	244.5	9.625	100	340	173	6.4	102	2	6	1/2x160	5.8
250	266.7	10.500	100	362	173	6.4	102	2	6	1/2x160	5.8
250	273.1	10.750	100	368	173	6.4	102	2	6	1/2x160	5.8
275	298.5	11.750	100	394	173	6.4	102	2	6	1/2x160	5.8
300	318.5	12.540	100	414	173	6.4	102	2	6	1/2x160	46
300	323.9	12.750	100	420	173	6.4	102	2	6	5/8x240	46
350	355.6	14.000	125	466	252	9.5	152	2	8	5/8x240	40
400	406.4	16.000	125	516	252	9.5	152	2	8	5/8x240	40
400	419.1	16.500	125	529	252	9.5	152	2	8	5/8x240	40
450	457.2	18.000	125	567	252	9.5	152	2	10	5/8x240	40
500	508.0	20.000	125	618	252	9.5	152	3	10	5/8x240	38
550	558.8	22.000	125	669	252	9.5	152	3	10	5/8x240	38
600	609.6	24.000	125	720	252	9.5	152	3	10	5/8x240	38
650	660.4	26.000	125	770	252	9.5	152	3	12	5/8x240	36
700	711.2	28.000	125	821	252	9.5	152	3	12	5/8x240	30
750	762.0	30.000	125	872	252	9.5	152	3	12	5/8x240	30
800	812.8	32.000	125	923	252	9.5	152	3	14	5/8x240	28
850	863.6	34.000	125	974	252	9.5	152	3	16	5/8x240	28
900	914.4	36.000	125	1025	252	9.5	152	3	16	5/8x240	28

For Ductile Iron Pipe

NOM DIA	PIPE O.D.	O.D. TOP	L	A	B	SLEEVE	PLUGS NO	BOLTS	MAX. PRESS.	APPROX. WEIGHT
						T I				
*80	98	3.86 100	178	168	7.1	102	1	4	1/2x160	7.0
80	98	3.86 100	178	168	6.4	102	1	4	1/2x160	4.7
*100	118	4.65 100	200	168	7.1	102	1	4	1/2x160	7.0
100	118	4.65 100	200	168	6.4	102	1	4	1/2x160	5.4
*125	144	5.67 100	230	168	7.5	102	1	4	1/2x160	6.2
125	144	5.67 100	230	168	6.4	102	1	4	1/2x160	6.2
*150	170	6.69 100	262	173	7.6	102	1	4	1/2x160	6.0
150	170	6.69 100	262	173	6.4	102	1	4	1/2x160	6.8
*200	222	8.74 100	314	173	7.6	102	1	6	1/2x160	5.8
200	222	8.74 100	314	173	6.4	102	1	6	1/2x160	8.6
*250	274	10.8 100	368	173	8.0	102	2	6	1/2x160	5.8
250	274	10.8 100	368	173	6.4	102	2	6	1/2x160	11.5
*300	326	12.8 100	420	173	8.5	102	2	6	1/2x160	5.0
300	326	12.8 100	420	173	6.4	102	2	6	1/2x160	17.2
*350	378	14.9 125	488	252	9.5	152	2	8	5/8x240	10.6
350	378	14.9 125	488	252	9.5	152	2	8	5/8x240	18.5
*400	429	16.9 125	539	252	9.5	152	2	8	5/8x240	44
400	429	16.9 125	539	252	9.5	152	2	8	5/8x240	40
*450	480	18.9 125	590	252	9.5	152	2	10	5/8x240	38
450	480	18.9 125	590	252	9.5	152	2	10	5/8x240	37.8
*500	532	20.9 125	642	252	9.5	152	2	10	5/8x240	35
500	532	20.9 125	642	252	9.5	152	2	10	5/8x240	35
*600	635	25 125	745	252	9.5	152	2	12	5/8x240	35
600	635	25 125	745	252	9.5	152	2	12	5/8x240	56
*700	738	29.1 125	848	252	9.5	152	3	12	5/8x240	30
700	738	29.1 125	848	252	9.5	152	3	12	5/8x240	67
*800	842	33.2 150	952	252	9.5	152	3	14	5/8x240	28
800	842	33.2 150	952	252	9.5	152	3	14	5/8x240	80
*900	945	37.2 150	1055	278	9.5	178	3	16	5/8x265	28
900	945	37.2 150	1055	278	9.5	178	3	16	5/8x265	98.3
*1000	1048	41.3 150	1158	278	9.5	178	3	16	5/8x265	28
1000	1048	41.3 150	1158	278	9.5	178	3	16	5/8x265	28
*1100	1152	45.4 150	1261	290	10.5	178	3	20	5/8x275	29
1100	1152	45.4 150	1261	290	10.5	178	3	20	5/8x275	136.2
*1200	1255	49.4 150	1364	290	10.5	178	3	22	5/8x275	28
1200	1255	49.4 150	1364	290	10.5	178	3	22	5/8x275	189
*1400	1462	57.7 150	1571	290	10.5	178	3	24	5/8x275	25
1400	1462	57.7 150	1571	290	10.5	178	3	24	5/8x275	180.2
*1500	1565	61.6 150	1674	290	10.5	178	3	26	5/8x275	25
1500	1565	61.6 150	1674	290	10.5	178	3	26	5/8x275	194
*1600	1668	65.7 150	1777	290	10.5	178	3	28	5/8x275	25
1600	1668	65.7 150	1777	290	10.5	178	3	28	5/8x275	203.5
*1800	1875	73.8 200	1984	395	12.5	254	3	32	5/8x380	22
1800	1875	73.8 200	1984	395	12.5	254	3	32	5/8x380	386
*2000	2082	82 200	2187	395	12.5	254	3	36	5/8x380	20
2000	2082	82 200	2187	395	12.5	254	3	36	5/8x380	433.6

Nubber Joint

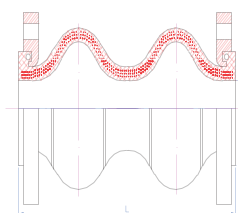


Standards:

Flange: ANSI, DIN BS

Main Part Name and Material:

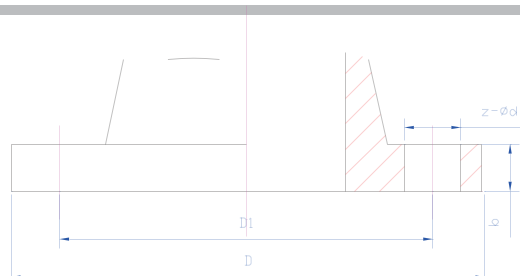
Body	CR, EPDM, IIR, NBR, CSM, VITO
Reinforce	Nylon Cord Fabric
Wire	Hard Steel Wire
Floating Flange	Carbon Steel Plated Zinc



Nominal Dimension		Face to Face	Temp. C degree	Travel mm Total Com-pressed	Allowable Movement (mm)				Pressure	
					Axial	Axial	Lateral	Angular	Positive	Vacuum
					Com-				PSIG/BAR	
Inch	mm	mm	Min-Max	Extended	Pression	Extension	Deflection	Deflection	at F/80 C	mm Hg
1-1/4"	32	95	30 - 110	87-99	9	6	9	15	225(16)	660
1-1/2"	40	95	30 - 110	87-99	10	6	9	15	225(16)	660
2"	50	105	30 - 110	99-110	10	7	10	15	225(16)	660
2-1/2"	65	115	30 - 110	103-121	13	7	11	15	225(16)	660
3"	80	130	30 - 110	118-133	15	8	12	15	225(16)	660
4"	100	135	30 - 110	117-145	19	10	13	15	225(16)	660
5"	125	170	30 - 110	152-180	19	12	13	15	225(16)	660
6"	150	180	30 - 110	162-190	20	12	13	15	225(16)	660
8"	200	205	30 - 110	180-220	25	16	14	15	225(16)	660
10"	250	240	30 - 110	215-254	25	16	22	15	225(16)	660
12"	300	260	30 - 110	235-274	25	16	22	15	225(16)	660
14"	350	265	30 - 110	240-281	25	16	22	15	150(10)	660
16"	400	265	30 - 110	240-281	25	16	22	15	150(10)	660
18"	450	265	30 - 110	240-281	25	16	22	15	150(10)	660
20"	500	265	30 - 110	240-281	25	16	22	15	150(10)	660
24"	600	265	30 - 110	240-281	25	16	22	15	150(10)	660

Nominal Dimension		Face to Face	Temp. C degree	Travel mm Total Com-pressed	Allowable Movement (mm)				Pressure	
					Axial	Axial	Lateral	Angular	Positive	Vacuum
					Com-				PSIG/BAR	
Inch	mm	mm	Min-Max	Extended	Pression	Extension	Deflection	Deflection	at F/80 C	mm Hg
1-1/4"	32	7	-140	125-205	53	27	45	40°	225(16)	660
1-1/2"	40	7	-140	125-205	53	27	45	40°	225(16)	660
2"	50	7	-140	125-205	53	27	45	40°	225(16)	660
2-1/2"	65	7	-140	125-205	53	27	45	40°	225(16)	660
3"	80	7	-140	125-205	53	27	45	40°	225(16)	660
4"	100	9	-140	175-260	53	31	40	35°	225(16)	660
5"	125	9	-140	175-260	53	31	40	35°	225(16)	660
6"	150	9	-140	175-260	53	31	40	35°	225(16)	660
8"	200	13	-140	265-360	65	30	35	30°	225(16)	660
10"	250	13	-140	265-360	65	30	35	30°	225(16)	660
12"	300	13	-140	265-360	38	30	35	30°	225(16)	660
14"	350	13.8	-140	265-360	38	28	28	20	150(10)	660
16"	400	13.8	-140	265-360	38	28	28	20	150(10)	660
18"	450	13.8	-140	265-360	38	28	28	20	150(10)	660
20"	500	13.8	-140	265-360	38	28	28	20	150(10)	660

Flanged Standards



Size	BS 4504					ANSI B16.1					JIS 10K B2212				
	D	D1	b	z	d	D	D1	b	z	d	D	D1	b	z	d
40	150	110	18	4	18	127	98.5	14.3	4	16	140	105	20	4	19
50	165	125	20	4	18	152	120.5	15.9	4	19	155	120	20	4	19
65	185	145	20	4	18	178	139.5	17.5	4	19	175	140	22	4	19
80	200	160	22	8	18	190	152.5	19.1	4	19	185	150	22	8	19
100	220	180	24	8	18	229	190.5	23.9	8	19	210	175	24	8	19
125	250	210	26	8	18	254	216	23.9	8	22	250	210	26	8	23
150	285	240	26	8	22	279	241.5	25.4	8	22	280	240	26	8	23
200	340	295	30	12	22	343	298.5	28.6	8	22	330	290	30	12	23
250	405	355	32	12	26	406	362.5	30.2	12	25	400	355	32	12	25
300	460	410	32	12	26	483	432	31.8	12	25	445	400	34	16	25
350	520	470	36	16	26	533	476.5	35	12	29	490	445	36	16	25
400	580	525	38	16	30	597	539.5	36.6	16	29	560	510	38	16	27
450	640	585	40	20	30	635	578	39.7	16	32	620	565	40	20	27
500	715	650	42	20	33	699	635	42.9	20	32	675	620	42	20	27
600	840	770	48	20	36	813	749.5	47.7	20	35	795	730	44	24	33

Size	DIN 2531					DIN 2532					DIN 2533				
	D	D1	b	z	d	D	D1	b	z	d	D	D1	b	z	d
40	130	100	20	4	14	150	100	20	4	18	150	100	20	4	18
50	140	110	20	4	14	165	125	20	4	18	165	125	20	4	18
65	160	130	20	4	14	185	145	20	4	18	185	145	20	4	18
80	190	150	20	4	18	200	160	20	4	18	200	160	20	8	18
100	210	170	22	4	18	220	180	22	8	18	220	180	22	8	18
125	240	200	22	8	18	250	210	22	8	18	250	210	22	8	18
150	265	225	22	8	18	285	240	22	8	23	285	240	22	8	23
200	320	280	24	8	18	340	295	24	8	23	340	295	24	12	23
250	375	335	26	12	18	395	350	26	12	23	405	355	26	12	27
300	440	395	28	12	23	445	400	28	12	23	460	410	28	12	27
350	490	445	28	12	23	505	460	28	16	23	520	470	28	16	27

CIPHY VALVE
[Http://www.ciphy.cn](http://www.ciphy.cn)



SHANGHAI CIPHY INDUSRY CO., LTD

**ADD: No.1 Building 7-G, No.515 Yishan Road. Shanghai City, P.R.O,
Tel: +86-21-5497 5962 Fax: +86-21-5497 5963
Url: [Http://www.ciphy.cn](http://www.ciphy.cn) E-mail: ciphy@ciphy.com**