



BEIJING METALCO INDUSTRY INTERNATIONAL CO.,LTD

BEIJING METALCO INDUSTRY INTERNATIONAL CO.,LTD

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Credit Forever,Quality Foremost BEIJING METALCO was initially founded in 1988,which is a large-scale private enterprise integrated with smelting,casting and machining,painting assembly and packaging.The company is located in the foot of Taihang Mountain,8 km away from 309 National Highway in north of Wu'an City.It covers an area of 120,000 square meters,presently has more than 800 of staff and over 50 engineering technicians.

The company specializes in producing gate valve,globe valve,check valve,butterfly valve and strainer,manhole cover,it covers over 30 series,more than 600 specifications,and its annual production is 20,000 tons.

The company passed ISO9001:2008 CE International Quality System Authentication,obtained the Equipment Manufacturing License of P.R.China.It also won honor titles of provincial&departments management Standard and advance unit for many times,appraised as Science and Technology enterprise of Hebei Province,famous brand and quality product in province Hebei,Keeping contract and Credit Enterprise of Hebei Province,and the Star Enterprise of Handan City.The company sets up several hundred of sales agent offices in whole country.Its products have big cities of the whole country,and were exported to Europe,Southeast Asia,central Asia and west Asia.

In order to promote the sustainable development of Metalco valves,enhance company's management level,meet customer's new demand and continuously strengthen enterprise's strength,the company will continuously expand and innovate,ensure that reciprocate support and love of customers to Metalco valves with its better credit,excellent products,considerate service.



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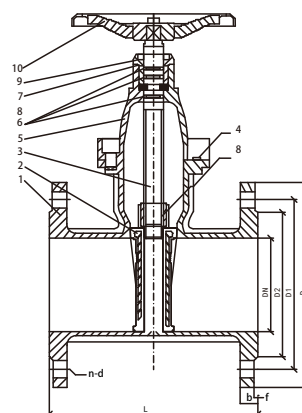
Has a variety of large-scale equipment, automatic production line, has guaranteed the product high performance, high quality.

BEIJING METALCO INDUSTRY INTERNATIONAL CO.,LTD

Hanchuan Machine Tools(Hanchuan CNC machine tools applied with German Technical XK716G)
XK716G vertical CNC machine tool uses the numerical control system of SIEMENS-802HC, coordinate the implementation of joint control, and it can automatically complete the precised and sophisticated mold processing to ensure the compatibility and interchangeability of the products.



Z45X DIN3352 F4 Non-Rising Stem Resilient Seated Gate Valve



Design and manufacture	Face to face	Flange end
DIN3352	DIN3202 F4	DIN3252

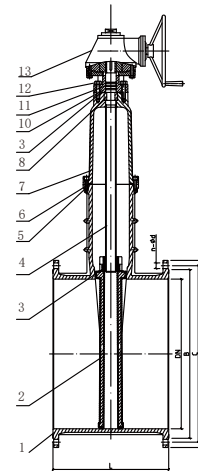
Main parts and materials

No.	Parts name	Material
1	Valve body	Ductile Iron
2	Disc	Ductile Iron+EPDM
3	Stem	Stainless Steel
4	Bonnet Gasket	EPDM
5	Bonnet	Ductile Iron
6	Sealing Ring	Silica Gal
7	O Ring	Silica Gal
8	Stem Nut	Brass
9	Holding Ring	Brass
10	Handwheel	Ductile Iron

Outline and connecting measurement

Type	DN(mm)	L	D		D1		D2		b-f	Z x Φd	
			PN10	PN16	PN10	PN16	PN10	PN16		PN10	PN16
Z45X-10/16	50	150	165		125		99		19-3	4-Φ19	
	65	170	185		145		118		19-3	4-Φ19	
	80	180	200		160		132		19-3	4-Φ19	8-Φ19
	100	190	220		180		156		19-3	8-Φ19	
	125	200	250		210		184		19-3	8-Φ19	
	150	210	285		240		211		19-3	8-Φ23	
	200	230	340		295		266		20-3	8-Φ23	12-Φ23
	250	250	405		350	355	319		22-3	12-Φ23	12-Φ28
	300	270	460		400	410	370		24.5-4	12-Φ23	12-Φ28
	350	290	505	520	460	470	430	438	27-4	16-Φ23	16-Φ28
	400	310	565	580	515	525	482	490	29-4	16-Φ27	16-Φ30
	450	330	615	640	565	585	532	550	30-4	20-Φ26	20-Φ30
	500	350	670	715	620	650	585	610	33-4	20-Φ27	20-Φ33
	600	390	780	840	725	770	685	725	37-5	20-Φ30	20-Φ36

Z45X DIN3352 F4 Non-Rising Stem Resilient Seated Gate Valve



Main parts and materials

No	Part	Material
1	Body	Ductile iron
2	Disc	Ductile iron+EPDM
3	Stem Nut	Brass
4	Stem	2Cr13
5	Bolts	Carbon steel
6	Gasket	EPDM
7	Gland	Ductile iron
8	Locating	Brass
9	O Ring	EPDM
10	Gland	Ductile iron
11	O Ring	EPDM
12	Bolts	Carbon steel

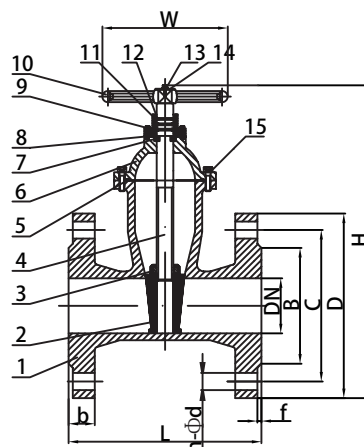
Function and specification

Type	Nominal pressure (Mpa)	Test pressure		Suitable temperature (°C)	Suitable medium
		Strength (Water)(Mpa)	Enclose (Water) (Mpa)		
Z45X-16	1.6	2.4	1.76	≤80	Water
Z45X-10	1.0	1.5	1.10		

Outline and connecting measurement

D	L	D		C		B	n-Ød	
		PN10	PN16	PN10	PN16		PN10	PN16
DN700	610	895	910	840		794	24-Ø31	24-Ø37
DN800	660	1015	1025	950		901	24-Ø34	24-Ø40
DN900	711	1115	1125	1050		1001	28-Ø34	28-Ø40
DN1000	811	1230	1255	1160	1170	1112	28-Ø37	28-Ø43
DN1200	1015	1455	1485	1380	1390	1328	32-Ø40	32-Ø49

Z45X DIN3352 F5 Non-Rising Stem Resilient Seated Gate Valve



Design and manufacture	Face to face	Flange end
DIN3352	DIN3202 F5	DIN3252

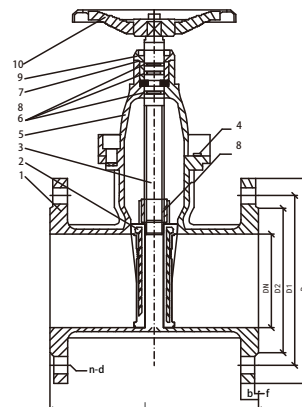
Main parts and materials

No.	Parts name	Material	No.	Parts name	Material
1	Valve body	GGG50	8	O-Ring	EPDM
2	Disc	GGG50+EPDM	9	Bolts	Carbon steel
3	Stem Nut	Brass	10	Hand Wheel	Ductile Iron
4	Stem	SS316	11	Gand	Ductile Iron
5	Gasket	EPDM/NBR	12	O-ring	EPDM
6	Bonnet	GGG50	13	Nuts	Carbon steel
7	Locating Ring	Brass	14	Washer	Carbon steel

Outline and connecting measurement

DN(mm)	L	D		C		B	b-f	n- Φd	
		PN10	PN16	PN10	PN16	PN10		PN10	PN16
40	240	150		110		84	18-3	4-Φ18	
50	250	165		125		99	19-3	4-Φ18	
65	270	185		145		119	19-3	4-Φ18	
80	280	200		160		133	19-3	4-Φ18	8-Φ18
100	300	220		180		154	19-3	8-Φ18	
125	325	250		210		184	19-3	8-Φ18	
150	350	285		240		210	19-3	8-Φ22	
200	400	340		295		265	20-3	8-Φ22	12-Φ22
250	450	405		350	355	319	22-3	12-Φ22	12-Φ27
300	500	460		400	410	370	24.5-4	12-Φ22	12-Φ27
350	550	505	520	460	470	429	26.5-4	16-Φ22	16-Φ27
400	600	565	580	515	525	480	28-4	16-Φ27	16-Φ30
450	650	615	640	565	585	548	30-4	20-Φ27	20-Φ30
500	700	670	715	620	650	582	31.5-4	20-Φ27	20-Φ33
600	800	780	840	725	770	682	36-5	20-Φ30	20-Φ36

Z45X BS 5163 Non-Rising Stem Resilient Seated Gate Valve



Design and manufacture	Face to face	Flange end
BS5163	BS5163	BS4504/EN1092

Main parts and materials

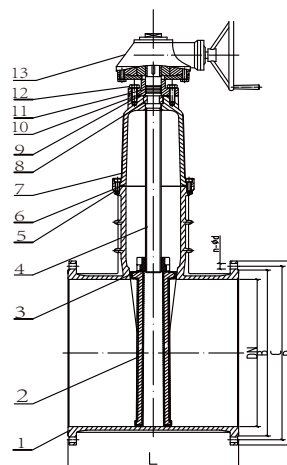
No.	Parts name	Material
1	Valve body	Ductile Iron
2	Disc	Ductile Iron+EPDM
3	Stem	Stainless Steel
4	Bonnet Gasekt	EPDM
5	Bonnet	Ductile Iron
6	Sealing Ring	Silica Gal
7	O Ring	Silica Gal
8	Stem Nut	Brass
9	Holding Ring	Brass
10	Handwheel	Ductile Iron

Outline and connecting measurement

Type	DN(mm)	L	D		D1		D2	b		n - d		H
			PN10	PN16	PN10	PN16		PN10	PN16	PN10	PN16	
Z45X	50	178	165		125		99	19		4-19		207
	65	190	185		145		118	19		4-19		232
	80	203	200		160		132	19		8-19		260
	100	229	220		180		156	19		8-19		286
	125	254	250		210		184	19		8-19		355
	150	267	285		240		211	19		8-23		403
	200	292	340		295		266	20		8-23	12-23	513
	250	330	405		350	355	319	22	25	12-23	12-28	590
	300	356	460		400	410	370	24.5	25	12-23	12-28	678
	350	381	520		460	470	431	24.5	28	16-23	16-28	762
	400	406	580		515	525	482	24.5	28	16-25	16-31	836
	450	432	640		565	585	550	25.5	29	20-25	20-31	957
	500	457	670	715	620	650	611	26.5	29	20-25	20-34	1036
	600	508	780	840	725	770	722	30	38	20-30	20-37	1188

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Z45X BS 5163 Big Size Non-Rising Stem Resilient Seated Gate Valve



Main parts and materials

No	Part	Material
1	Body	Ductile iron
2	Disc	Ductile iron+EPDM
3	Stem Nut	Brass
4	Stem	2Cr13
5	Bolts	Carbon steel
6	Gasket	EPDM
7	Gland	Ductile iron
8	Locating	Brass
9	O Ring	EPDM
10	Gland	Ductile iron
11	O Ring	EPDM
12	Bolts	Carbon steel

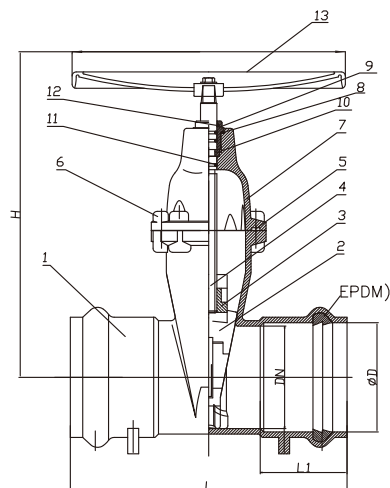
Function and specification

Type	Nominal pressure (Mpa)	Test pressure		Suitable temperature (°C)	Suitable medium
		Strength (Water)(Mpa)	Enclose (Water) (Mpa)		
Z45X-16	1.6	2.4	1.76	≤80	Water
Z45X-10	1.0	1.5	1.10		

Outline and connecting measurement

D	L	D		C		B	n-Ød	
		PN10	PN16	PN10	PN16		PN10	PN16
DN700	610	895	910	840		794	24-Ø31	24-Ø37
DN800	660	1015	1025	950		901	24-Ø34	24-Ø40
DN900	711	1115	1125	1050		1001	28-Ø34	28-Ø40
DN1000	811	1230	1255	1160	1170	1112	28-Ø37	28-Ø43
DN1200	1015	1455	1485	1380	1390	1328	32-Ø40	32-Ø49

Socket End Resilient Seated Gate Valve For PVC Pipe



Design and manufacture	Face to face	Flange end
DIN3352	DIN3202 F5	DIN3252

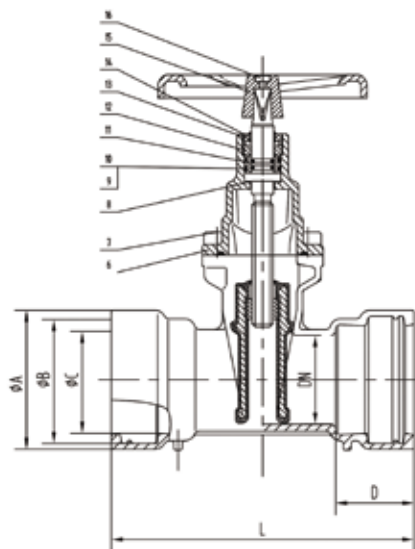
Main parts and materials

No	Parts Name	Material
1	Body	Ductile Iron
2	Wedge	Ductile Iron+EPDM
3	Stem Nut	Brass
4	Stem	Stainless steel
5	Gasket	EPDM/NBR
6	Bonnet	Ductile Iron
7	Locating Ring	Ductile Iron/Brass
8	O Ring	EPDM/NBR
9	Bolts	Carbon steel/Stainless steel
10	Handwheel	Ductile iron
11	Gland	Ductile iron
12	O Ring	EPDM/NBR
13	Nuts	Carbon steel/Stainless steel
14	Washer	Carbon steel/Stainless steel
15	Bolts	Carbon steel/Stainless steel
16	Sealing ring	EPDM

Outline and connecting measurement

DN	50	65	80	100	125	150	200	200	250	300
PVC	63	75	90	110	125	160	200	225	250	315
L	250	270	280	300	325	350	400	400	450	500

Socket End Resilient Seated Gate Valve For Ductile iron Pipe



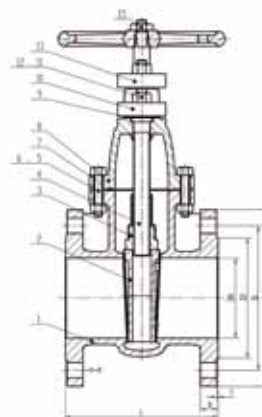
Main parts and materials

No.	Parts	Material
1	Body	Ductile iron
2	Wedge	Ductile iron+EPDM
3	Stem	Stainless steel
4	Stem Nut	Brass
5	Gasket	EPDM/NBR
6	Bonnet	Ductile Iron
7	Bolt	Stainless steel
8	Gasket	POM
9	O Ring	EPDM/NBR
10	O Ring	EPDM/NBR
11	Seal bush	POM
12	Screw cover	2Cr13
13	Dust cover	EPDM/NBR
14	Top cover	PA-66
15	Handwheel	Ductile iron
16	Screw	Stainless steel

Outline and connecting measurement

DN	L	A	B	C	D	S
80	280	130	110	98	84	17
100	300	161	144	120	84	17
150	350	220	200	172	84	19
200	400	281	257.5	225	100	22

F4 Metal Sealed Gate Valve



Design and manufacture	Face to face	Flange end
DIN3352	DIN3202 F4	EN1092-2

Main parts and materials

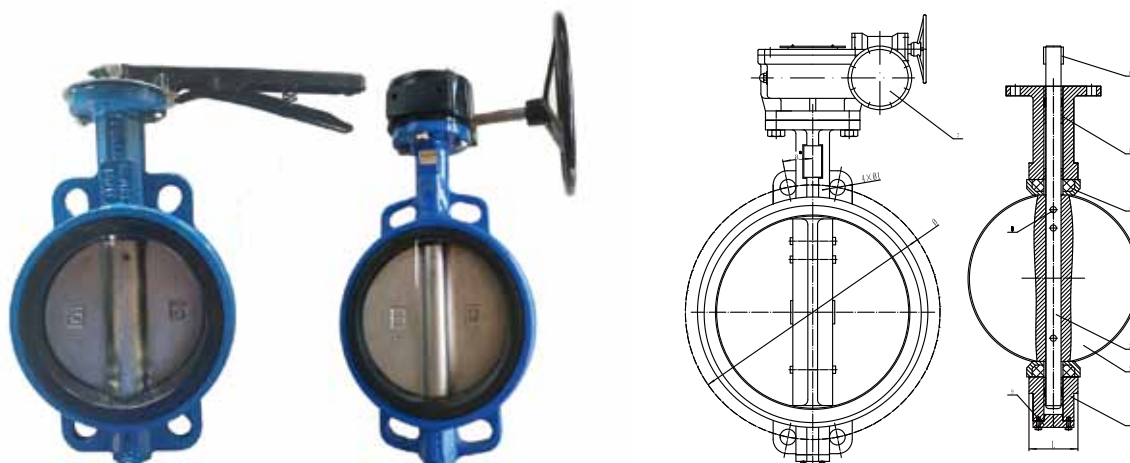
No.	Parts name	Material
1	Body	Ductile iron/Grey iron
3	Wedge	Ductile iron/Grey iron
2	Stem	Carbon steel/Stainless steel
4	Seat	Brass/stainless steel
5	Bolt	Carbon steel
6	Nut	Carbon steel
7	Gasket	Graphite
8	Cover	Ductile iron/Grey iron
9	Gasket	Graphite
10	Packing box	Grey iron
11	Studs	Carbon steel
12	Nut	Carbon steel
13	Packing gland	Carbon steel
14	Handwheel	Ductile iron/Carbon steel
15	Lock nut	Carbon steel

Outline and connecting measurement

DN	L	D	D1	D2	b	f	n-Ød
50	150	165	125	99	20	2	4-Ø19
65	170	185	145	118	20	2	4-Ø19
80	180	200	180	132	22	2	8-Ø19
100	190	220	180	156	22	2	8-Ø19
125	200	250	210	184	24	2	8-Ø19
150	210	285	240	211	24	2	8-Ø23
200	230	340	295	262	27	2	8-Ø23
250	250	395	355	314	30	2	12-Ø23
300	270	445	410	365	30	2	12-Ø23

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Wafer Butterfly Valve



Main parts and materials

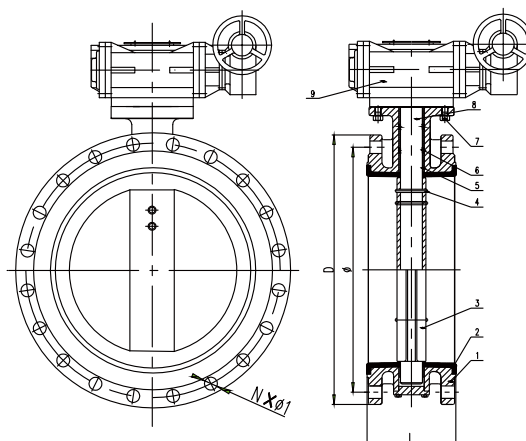
Part Name	Material
Body	Cast Iron/Ductile iron
Stem	Stainless Steel/Carbon steel
Taper Pin	Stainless Steel
Seat	NBR/EPDM
Disc	Ductile Cast Iron (Nickel plated)/Stainless steel/Bronze
O-Ring	NBR, EPDM, Neoprene, Viton;
Bushing	PTFE, Nylon, Lubricated Bronze;
Key	Carbon Steel

Outline and connecting measurement

Size		Ø	d	L	a °
40	1½	110	18	40.5	45 °
50	2	125	18	40.5	45 °
65	2½	145	18	43	45 °
80	3	160	18	44.2	45 °
100	4	180	18	50	22.5 °
125	5	210	18	52.5	22.5 °
150	6	240	22	54	22.5 °
200	8	295	22	59	22.5 °
250	10	350	22	63	15 °
300	12	400	22	73.3	15 °
350	14	460	22	73.3	11.25 °
400	16	515	26	84.5	11.25 °
450	18	565	26	104	9 °
500	20	620	26	130	9 °
600	24	725	30	150	9 °
700	28	840	31	163	7.5 °
800	32	950	34	189	7.5 °
900	36	1050	34	203	6.43 °
1000	40	1160	37	216	6.43 °

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D341X Double Flange Butterfly Valve



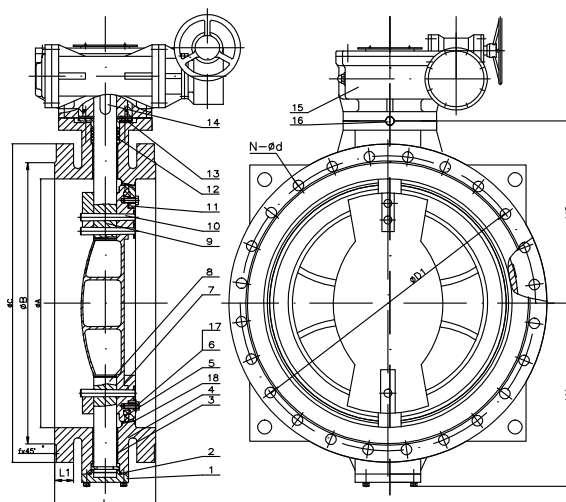
Main parts and materials

NO.	Part name	Material
1	Body	Ductile iron
2	Seat	EPDM
3	Disc	Ductile iron
4	Taper Pin	Carbon steel
5	Bushing	Brass
6	O ring shaft seal	EPDM
7	Bols	Carbon steel
8	Shaft	Stainless Steel
9	Key	Carbon steel
9	Gear box	Cast iron

Outline and connecting measurement

DN	L	PN16		
		D	D1	n-do
50	108	165	125	4-18
65	112	185	145	4-18
80	114	200	160	8-18
100	127	220	180	8-18
125	140	250	210	8-18
150	140	285	240	8-22
200	152	340	295	12-22
250	165	405	355	12-26
300	178	460	410	12-26
350	190	520	470	12-28
400	216	580	525	16-30
450	222	640	585	20-30
500	229	710	650	20-33
600	267	840	770	24-36
700	292	910	840	24-36
800	318	1025	950	24-40
900	330	1125	1050	28-40
1000	410	1255	1170	28-42
1200	470	1485	1390	32-48

Double Eccentric Flanged Butterfly Valve



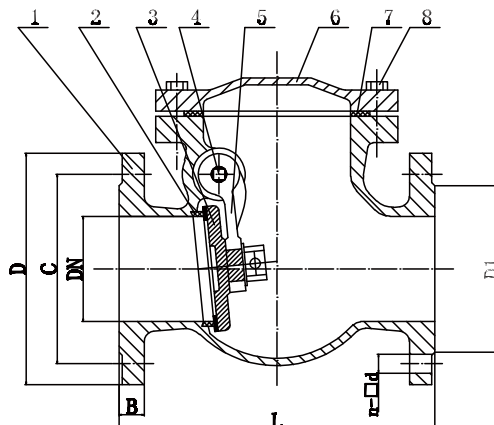
Main parts and materials

No	Parts name	Material	No	Parts name	Material
1	CAP	Ductile iron	10	Pin	SS410
2	O-ring	NBR	11	Adaptor	Q235
3	Bushing	PTFE	12	V-ring	NBR
4	Body	Ductile iron	13	Packing gland	Ductile iron
5	Seal ring	EPDM	14	Key	45#
6	Set screw	2Cr13	15	Gear	Ductile Iron
7	DISC	Ductile iron	16	Straight pin	SS410
8	Lower shaft	SS410	17	Gasket	1Cr18Ni9
9	Upper shaft	SS410	18	Sealing seat	SS304

Outline and connecting measurement

DN	A	B	C	D1	N-Ød	L	L1	fx45 °	H1	H2
100	100	156	220	180	8-19	190	19	3	109	164
150	150	211	285	240	8-23	210	19	3	143	209
200	200	266	340	295	12-23	230	20	3	182	255
250	250	319	390	350	12-23	250	22	3	219	306
300	300	370	450	400	16-23	270	22	4	244	320
350	350	429	505	460	16-28	290	24	4	283	340
400	400	480	565	515	16-28	310	24	4	312	360
450	450	534	615	565	20-28	330	26	4	340	385
500	500	582	670	620	20-28	350	26	4	428	428
600	600	682	780	725	20-31	390	28	5	451	495
700	700	794	895	840	24-31	430	30	5	526	580
800	800	901	1015	950	24-34	470	32	5	581	660
900	900	1001	1115	1050	28-34	510	34	5	643	730
1000	1000	1112	1230	1160	28-37	550	38	5	722	800
1200	1200	1328	1455	1380	32-40	630	40	5	840	900

DIN Swing Check Valve



Face to face	Flange end
DIN3202 F6	DIN2532

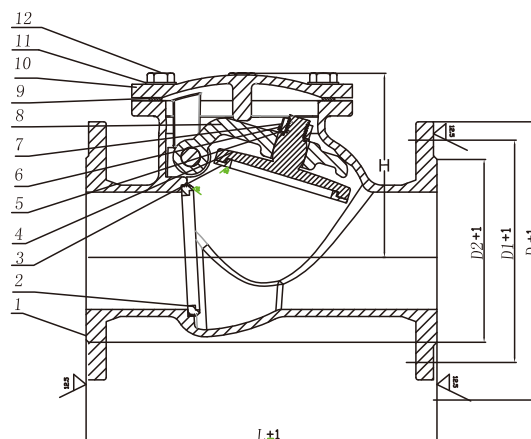
Main parts and materials

NO.	Parts name	Material
1	Body	Ductile iron
2	Seat	Brass
3	Wedge	Ductile iron+brass
4	Seal Ring	Brone
5	Rocker	GGG50
6	Gasket	2Cr13
7	Shim	Graphite+stainless steel
8	Bolt	Stainless steel

Outline and connecting measurement

DN	L	D			C			D1			B			n-Ød		
		PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25
50	200	165			125			102			20			4-Ø19		
65	240	185			145			122			20	22		4-Ø19	8-Ø19	
80	260	200			160			138			22	24		8-Ø19	8-Ø19	
100	300	220		235	180		190	158			22	24		8-Ø19	8-Ø23	
125	350	250		270	210		220	184			24	26		8-Ø19	8-Ø23	
150	400	285		300	240		250	212			24	28		8-Ø23	8-Ø28	
200	500	340		360	295		310	268		274	26	30		8-Ø23	12-Ø23	12-Ø28
250	600	395	405	425	350	355	370	320		330	27	32		12-Ø23	12-Ø28	12-Ø31
300	700	445	460	485	400	410	430	370	378	389	28	34		12-Ø23	12-Ø28	16-Ø31

BS5153 Swing Check Valve



Face to face	Flange end
BS5153	BS4504

Main parts and materials

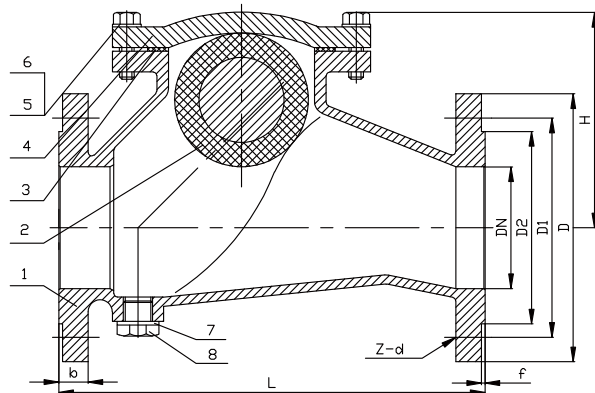
Parts name	Material
Body	GGG50
Valve seat	Brone
Seal Ring	Brone
Disc	GGG50
Gasket	2Cr13
Pin	45
Nut	25
Bonnet	GGG50

Outline and connecting measurement

DN	L	D		D1		D2		B	n-Ød		H
		PN10	PN16	PN10	PN16	PN10	PN16		PN10	PN16	
50	203	165		125		102		18	4-Ø18		116
65	216	185		145		122		18	4-Ø18		116
80	241	200		160		138		20	4-Ø18		145
100	292	220		180		158		20	8-Ø18		145
125	330	250		210		188		22	8-Ø22		175
150	356	285		240		212		22	8-Ø22		204
200	495	340		295		268		24	8-Ø22	12-Ø22	248
250	620	395	405	350	355	320		24	12-Ø22	12-Ø26	292
300	698	445	460	400	410	370	378	26	12-Ø22	12-Ø26	325

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Ball Check Valve



Face to face	Flange end
DIN3202 F6/EN1074-3	DIN2532,EN1092-2

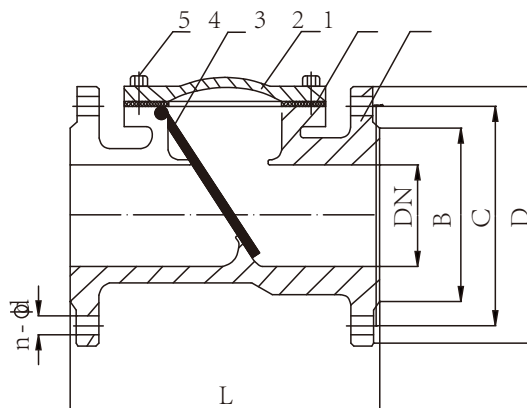
Main parts and materials

No	Parts name	Material
1	Body	GGG50
2	Ball	Carbon steel/Ductile iron+NBR
3	O-ring	NBR
4	Bonnet	GGG50
5	Bolt	SS304
6	Washer	SS304
7	Washer	NYL
8	Plug	SS304

Outline and connecting measurement

DN	L	D	C		D1	b	f	n-d	
			PN10	PN16				PN10	PN16
50	200	165	125		99	19	3	4-19	
65	240	185	145		118	19	3	4-19	
80	280	200	160		156	19	3	8-19	
125	350	250	180		184	19	3	8-19	
150	400	285	210		211	19	3	8-23	
200	500	340	240		266	20	3	8-23	12-23
250	600	395	295		319	22	3	12-23	12-28
300	700	445	350	355	370	24.5	4	12-23	12-28

Rubber Disc Check Valve



Face to face	Flange end
EN1074-3	EN1092-2/BS4504/DIN2532

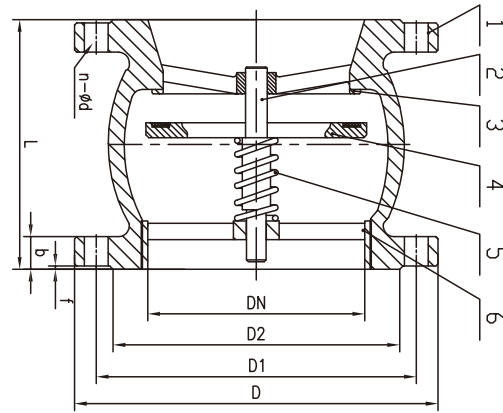
Main parts and materials

Parts name	Material
Body	Ductile iron
Gasket	NBR/EPDM
Cover	Ductile Iron
Disc	Carbon steel+EPDM

Outline and connecting measurement

DN	L	D		C		B	N-Ød	
50	210	165		125		100	4–19	
65	225	185		145		120	4–19	
80	247	200		160		133	8–19	
100	295	220		180		154	8–19	
125	295	250		210		184	8–19	
150	360	285		240		210	8–23	
200	435	340		295		265	8–23	12–23
250	495	405		350	355	320	12–23	12–28
300	555	460		400	410	370	12–23	12–28
350	615	520		460	470	430	16–23	16–28
400	660	580		515	525	480	16–28	16–31
450	705	640		565	585	550	20–28	20–31
500	755	670	715	620	650	585/610	20–28	20–34

Silent Check Valve



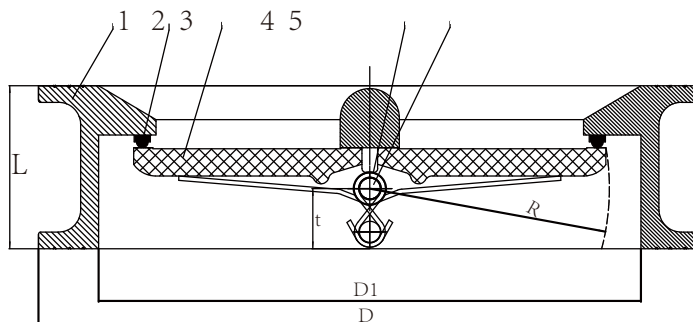
Main parts and material

Parts Name	Material
Body	Cast Iron/Ductile Iron
Stem	Stainless Steel
Spring	Stainless Steel
Seat	NBR/EPDM

Outline and connecting measurement

DN	L	D		C		B		n-d	
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16
50	125	165		125		99		4-Ø19	
65	140	185		145		119		4-Ø19	
80	150	200		160		133		8-Ø19	
100	165	220		180		154		8-Ø19	
125	180	250		210		184		8-Ø19	
150	210	285		240		210		8-Ø23	
200	255	340		295		265		8-Ø23	12-Ø23
250	270	405		350	355	319		12-Ø23	12-Ø28
300	280	450		400	410	370		12-Ø23	12-Ø28
350	295	520		460	470	429		16-Ø23	16-Ø28
400	320	580		515	525	480		16-Ø28	16-Ø31

Wafer Dual Plated Check Valve



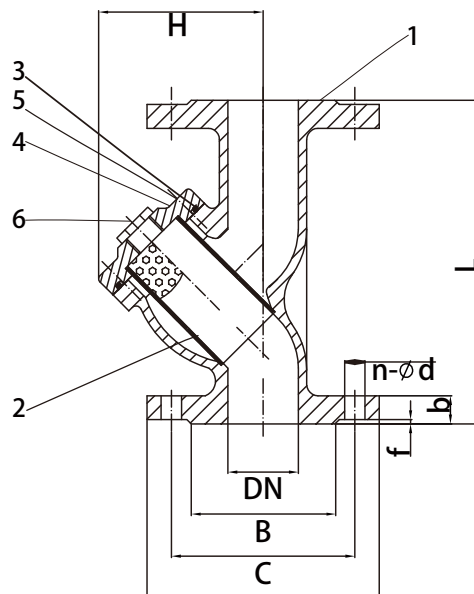
Main parts and materials

NO.	Parts name	Material
1	Body	Cast iron/Ductile iron
2	Rubber gasket	EPDM
3	Disc	Ductile iron/WCB/Stainless steel
4	Spring	Stainless steel
5	Stem	Carbon steel/Stainless steel

Outline and connecting measurement

DN	D	D1	L	R	T
50	107	65	43	28.8	19
65	127	80	46	36.1	20
80	142	94	64	43.4	28
100	162	117	64	52.8	27
125	192	145	70	65.7	30
150	218	170	76	78.6	31
200	273	224	89	104.4	33
250	328	265	114	127	50
300	378	310	114	148.3	43
350	438	360	127	172.4	45
400	489	410	140	197.4	52
450	539/555	450	152	217.8	58
500	594	505	152	241	58
600	690	624	178	295.4	73
700	800	720	229	354	98

Y Strainer



Face to face	Flange end
DIN3202 F1	DIN2532/DIN2533

Main parts and materials

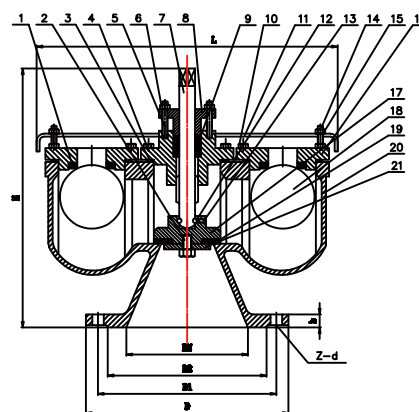
No	Parts Name	Material
1	Body	Cast iron/Ductile iron
2	Sreen	Stainless steel
3	O-Ring	EPDM
4	Cover	Ductile iron
5	Bolts	Stainless steel
6	Plug	Carbon steel

Outline and connecting measurement

DN	L	D	C		B	N-Ød	
			PN10	PN16		PN10	PN16
50	230	165	125		102	4-19	
65	290	185	145		122	4-19	
80	310	200	160		138	8-19	
100	350	220	180		158	8-19	
125	400	250	210		188	8-19	
150	480	285	240		212	8-23	
200	600	340	295		268	8-23	12-23
250	730	405	350	355	320	12-23	12-28
300	850	460	400	410	378	12-23	12-28
350	980	520	460	470	429	16-23	16-28
400	1100	580	515	525	480	16-28	16-31

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Double Orifice Air Valve



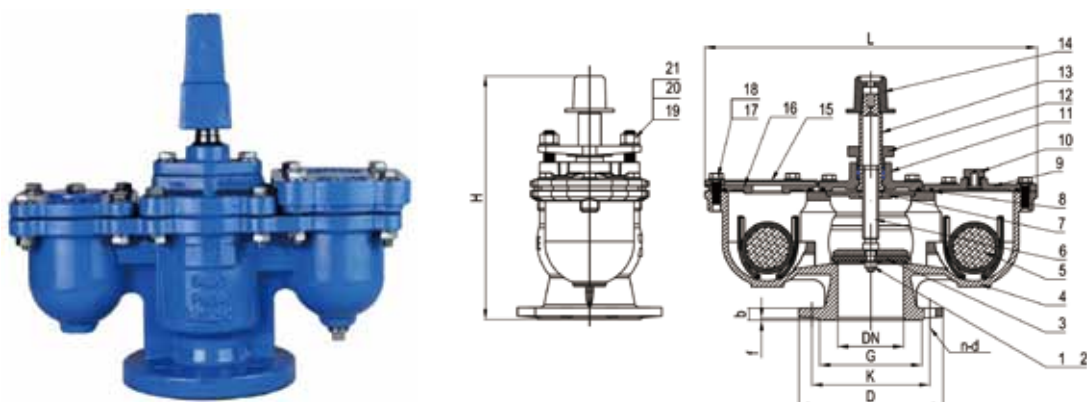
Main parts and materials

No.	Parts	Material
1	Sealing ring	NBR
2	Bolt	A3
3	Gasket	Asbestos
4	Bolt	A3
5	Bolt	A3
6	Bolt	A3
7	Stem	45#
8	Cover	Dutile iron
9	Filer	Flexible graphite
10	Stem nut	Dutile iron
11	Cover	A3
12	Bead	Stainless steel
13	Pin	Stainless steel
14	Bolt	A3
15	Bolt	A3
16	Cover	Cast iron
17	Plate	Dutile iron
18	Ball	Stainless steel
19	Sealing gasket	NBR
20	Body	Cast iron
21	Plate	A3

Outline and connecting measurement

DN	D	D1	D2	H	L	b	Z-d
50	165	125	99	325	340	20	4-18
80	200	160	132	335	2340	22	4-18
100	220	180	156	340	340	24	8-18
150	285	240	211	395	470	26	8-18
200	340	295	266	420	470	30	12-23

Double Orifice Air Valve



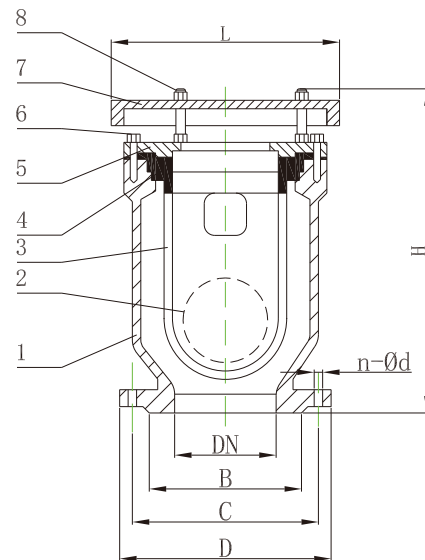
Main parts and materials

No.	Parts	Material
1	Nut	SS304
2	Washer	SS304
3	Gasket	NBR
4	Body	Ductile iron
5	Float Ball	Wooden core, fully vulcanized with EPDM rubber
6	Stem	SS420
7	Middle plank	SS420
8	O-Ring	Ductile iron
9	Right cover	Ductile iron
10	Drain cock	Brass
11	Bonnet	Ductile iron
12	Gland	Ductile iron
13	Stem Nut	SS420
14	Cap Top	Ductile iron
15	Left Cover	Ductile iron
16	Inside Cover	Ductile iron
17	Screw	SS
18	Washer	SS304
19	Bolt	SS304
20	Washer	SS304
21	Nut	SS304

Outline and connecting measurement

DN	D	D1	D2	B	f	n-d	H	A
80	200	160	132	19	3	8-19	244	283
100	220	180	156	19	3	8-19	270	302
125	250	210	184	19	3	8-19	323	353
150	285	240	211	19	3	8-23	323	353
200	340	295	266	20	3	12-23	401	433

Single Orifice Air Valve



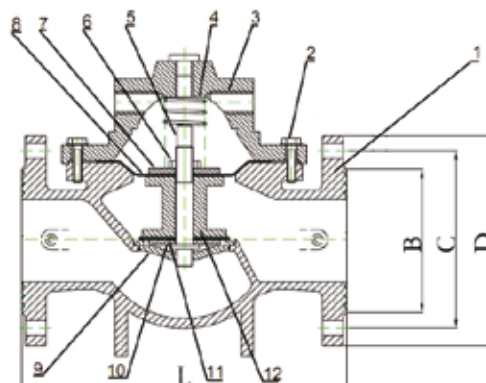
Main parts and materials

No.	Parts Name	Material
1	Body	Ductile Iron
2	Ball	Stainless Steel
3	Bracket	Plastics
4	Sealing Gasket	NBR
5	Bonnet 1	Cast Iron/Ductile Iron
6	Bolt/Nut	Carbon Steel
7	Bonnet 2	Steel/Iron
8	Bolt/Nut	Carbon Steel

Outline and connecting measurement

DN(mm)	L	D(mm)		C(mm)		n-d	
		PN10	PN16	PN10	PN16	PN10	PN16
50	175	165		125		4-Ø19	
65	175	185		145		4-Ø19	
80	195	200		160		8-Ø19	
100	195	220		180		8-Ø19	
125	240	250		210		8-Ø19	
150	240	285		240		8-Ø23	
200	280	340		295		8-Ø23	12-Ø23
250	340	385	405	350	355	12-Ø23	12-Ø28
300	340	445	460	400	410	12-Ø23	12-Ø28

100X Float Valve



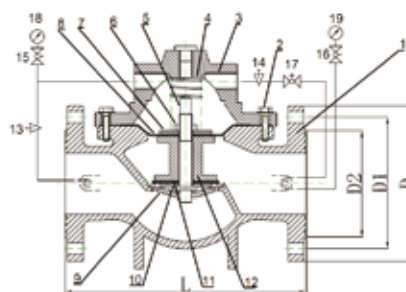
Main parts and materials

Parts	Material
Body/Cover	Ductile Iron
Plate	Q235
Diaphragm Discs	Cast iron
Seat	Brass
Gasket	NBR
Bolts/Spring/Nut	Stainless Steel

Outline and connecting measurement

DN(mm)	L	D(mm)		C(mm)		B(mm)		n-d	
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16
50	215	165		125		99		4-Ø19	
65	235	185		145		119		4-Ø19	
80	250	200		160		133		8-Ø19	
100	290	220		180		154		8-Ø19	
125	325	250		210		184		8-Ø19	
150	360	285		240		210		8-Ø23	
200	420	340		295		265		8-Ø23	12-Ø23
250	450	405		350	355	319		12-Ø23	12-Ø28
300	510	450		400	410	370		12-Ø23	12-Ø23
350	645	520		460	470	429		16-Ø23	16-Ø28
400	720	580		515	525	480		16-Ø28	16-Ø31
450	785	640		565	585	548		20-Ø28	20-Ø31
500	785	715		620	650	609		20-Ø28	20-Ø34
600	910	840		725	770	780		20-Ø31	20-Ø37

200X Pressure Reducing Valve



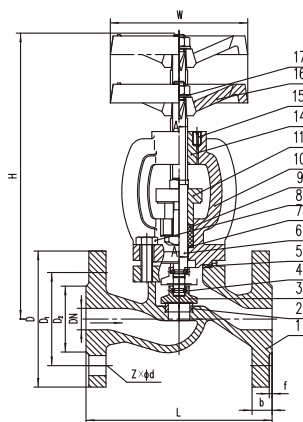
Main parts and materials

No	Parts	Material
1	Body	Cast Iron/Ductile Iron
2	Bolts	Stainless Steel
3	cover	Cast Iron/Ductile Iron
4	Spring	Stainless Steel
5	Stem	Stainless Steel
6	Nut	Stainless Steel
7	Plate	Q235
8	Diaphragm	EPDM
9	Seat	Brass
10	Plate	Q235
11	Gasket	NBR
12	Diaphragm discs	Cast Iron/Ductile Iron
13	Need Valve	Brass
14	Ball Valve	Brass
15	Pilot Valve	Brass
16	Pressure Gage	Brass

Outline and connecting measurement

DN (mm)	L	D (mm)		D1 (mm)		D2 (mm)		n-d	
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16
50	215	165		125		99		4-Ø19	
65	235	185		145		119		4-Ø19	
80	250	200		160		133		8-Ø19	
100	290	220		180		154		8-Ø19	
125	325	250		210		184		8-Ø19	
150	360	285		240		210		8-Ø23	
200	420	340		295		265		8-Ø23	12-Ø23
250	450	405		350	355	319		12-Ø23	12-Ø28
300	510	450		400	410	370		12-Ø23	12-Ø23
350	645	520		460	470	429		16-Ø23	16-Ø28
400	720	580		515	525	480		16-Ø28	16-Ø31
450	785	640		565	585	548		20-Ø28	20-Ø31
500	785	715		620	650	609		20-Ø28	20-Ø34
600	910	840		725	770	780		20-Ø31	20-Ø37

DIN Globe Valve



Face to Face	Flange End
DIN3202-F1	DIN3352/2533

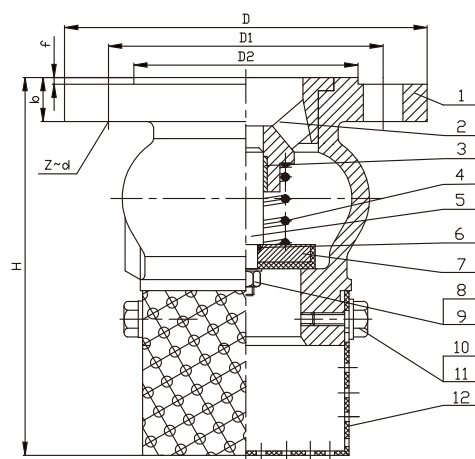
Main parts and materials

No.	Parts Name	Material
1	Body	Grey iron GG25
2	Stem Ring	Stainless Steel
3	Disc	A105+2Cr13/ GG25+2Cr13
4	Ring	2Cr13
5	Gasket	Steel#08+Graphite
6	Stem	Stainless Steel
7	Washer	Steel
8	Bolt	Steel
9	Packing	Graphite
10	Bonnet	Grey iron GG25
11	Gland	Grey iron GG25
12	Bolt	Steel
13	Bolt	Steel
14	Stem nut	Bronze
15	Pin	Steel
16	Handwheel	Ductile iron

Outline and connecting measurement

DN	L	D	D1	D2	b-f	Z-Ød
15	130	95	65	46	14-2	4-Ø14
20	150	105	75	56	16-2	4-Ø14
25	160	115	85	65	16-2	4-Ø14
32	180	140	100	76	18-2	4-Ø19
40	200	150	110	84	18-2	4-Ø19
50	230	165	125	99	20-2	4-Ø19
65	290	185	145	120	20-2	4-Ø19
80	310	200	160	132	22-2	8-Ø19
100	350	220	180	156	24-2	8-Ø19
125	400	230	210	184	26-2	8-Ø19
150	480	285	240	211	26-2	8-Ø23
200	600	340	295	266	30-2	12-Ø23

Foot Valve



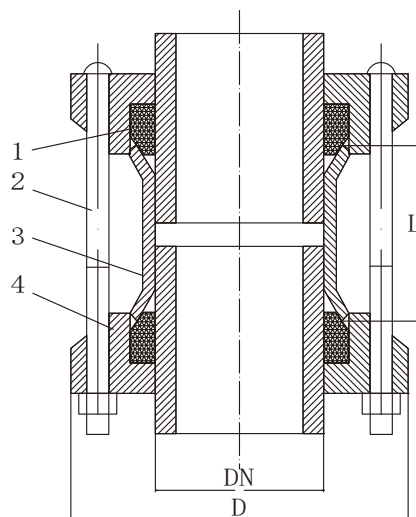
Main parts and materials

No	Part Name	Material
1	Body	Ductile iron
2	Bonnet	Ductile iron
3	Bush	Brass
4	Spring	65Mn
5	Guiding stem	Stainless steel420
6	O- ring	NBR
7	Disc	Ductile iron
8	Nut	Carbons steel
9	Washer	Carbons steel
10	Nut	Carbons steel
11	Washer	Carbons steel
12	Sleve	Stainless steel304

Outline and connecting measurement

DN	D	D1	D2	H	b	f	Z-d
40	150	110	84	148	18	3	4-Ø19
50	165	125	99	166	20	3	4-Ø19
65	185	145	118	201	20	3	4-Ø19
80	200	160	132	221	22	3	8-Ø19
100	220	180	156	265	24	3	8-Ø19
125	250	210	184	300	26	3	8-Ø19
150	285	240	211	360	26	3	8-Ø23
200	340	295	266	470	30	3	12-Ø23
250	405	355	319	568	32	3	12-Ø28
300	460	410	370	653	32	4	12-Ø28
350	520	470	429	740	36	4	16-Ø28

Universal Coupling



Main parts and materials

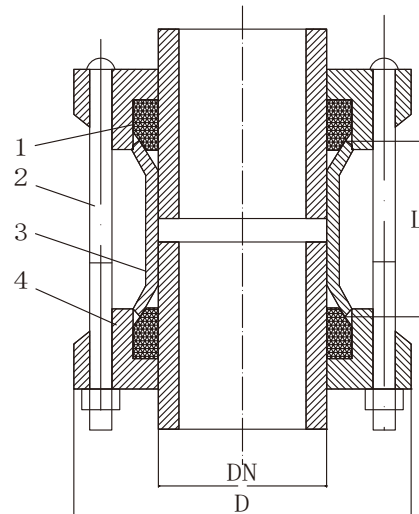
No.	Parts name	Material
1	Gasket	EPDM
2	Fastner	GD4.8
3	Sleeve	Carbon steel
4	End ring	Ductile iron

Outline and connecting measurement

DN(mm)	Range	L(mm)	D(mm)	N-BOLT
50	59-72	102	165	2-M 12*180
65	72-85	102	185	2-M 12*180
80	88-103	102	185	4-M 12*180
100	109-128	102	218	4-M 12*180
125	132-146	102	250	4-M 12*180
150	159-182	102	272	4-M 12*200
175	192-210	130	312	4-M 12*200
200	218-235	130	335	4-M 12*220
250	272-289	130	405	6-M 12*180
300	315-332	130	460	6-M 12*220
300	322-339	130	435	6-M 12*220
350	340-360	150	455	6-M 12*250
350	357-368	150	518	8-M 16*220
350	374-391	150	568	8-M 16*250
400	400-429	150	580	8-M 16*250
450	455-472	150	665	8-M 16*250
500	500-532	150	690	10-M 16*260
500	527-544	150	715	10-M 16*260
500	555-572	150	715	10-M 16*260
600	600-630	150	790	10-M 16*260

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Flexible Flange Adaptor



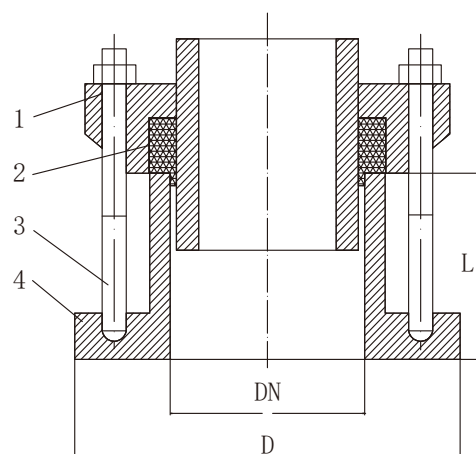
Main parts and materials

No.	Parts name	Material
1	End ring	Ductile iron
2	Gasket	EPDM
3	Fastner	GD4.8
4	Body	Ductile iron

Outline and connecting measurement

DN(mm)	OD	D	L	H	MXL
80	98	200	73	108	4-M12*100
100	118	220	76	115	4-M12*110
125	144	250	76	115	4-M12*110
150	170	285	76	115	4-M12*110
200	222	340	76	115	4-M12*130
250	274	400	90	127	6-M12*120
300	326	455	90	127	6-M12*120
350	378	505	108	152	8-M16*145
400	429	565	108	152	8-M16*145
450	480	615	114	152	10-M16*145
500	532	670	114	160	10-M16*150
600	635	780	114	160	10-M16*150
700	738	895	114	160	12-M16*150
800	842	1015	114	160	12-M16*150
900	945	1115	114	160	14-M16*150
1000	1048	1230	114	160	14-M16*150
1100	1152	1340	127	178	16-M20*200
1200	1255	1435	127	178	16-M20*200

Universal Flange Adaptor



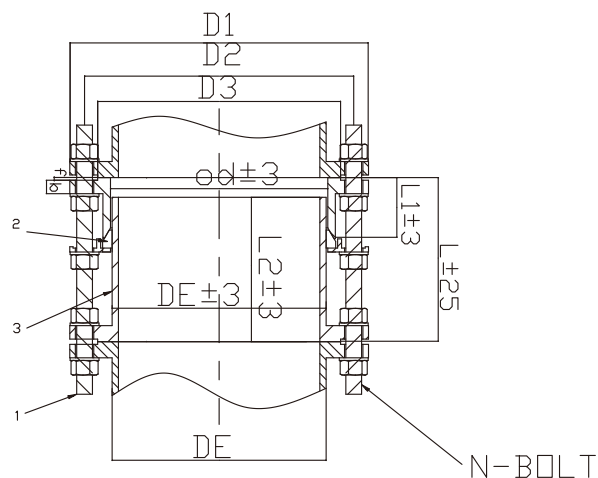
Main parts and materials

No.	Parts name	Material
1	End Ring	Ductile iron
2	Gasket	EPDM
3	Fastner	GD4.8
4	Body	Ductile iron

Outline and connecting measurement

DN(mm)	Range	L(mm)	D(mm)	N-BOLT
50	59-72	75	165	2-M12*130
65	72-85	75	185	2-M12*130
80	88-103	76	185	4-M12*130
100	109-128	78	218	4-M12*130
125	132-146	78	250	4-M12*130
150	159-182	80	272	4-M12*130
175	192-210	85	312	4-M12*130
200	218-235	85	335	4-M12*130
250	272-289	90	405	6-M12*130
300	315-332	90	460	6-M12*130
350	374-391	110	510	8-M16*180
400	400-429	110	568	8-M16*180
400	418-435	110	580	8-M16*180
400	425-442	110	580	8-M16*180
450	476-493	640	640	10-M16*180
500	500-532	683	683	10-M16*180
500	527-544	690	690	10-M16*180
600	600-630	790	790	10-M16*180
600	630-647	820	820	10-M16*180

Dismantling joint



Main parts and materials

No.	Name	Material
1	Bolt	Zinc plated steel
2	Seal ring	EPDM
3	Body	Ductile iron

Outline and connecting measurement

DN	L1	L2	L	DE	OD	b	f	D1	D2	D3	N-HOLES	N-BOLT (LONG)
50	73	180	200	66	70	16.0	3	165	125	99	4-Ø19	4-M16*310
60	73	180	200	77	81	16.0	3	175	135	108	4-Ø19	4-M16*310
65	73	180	200	82	86	16.0	3	185	145	118	4-Ø19	4-M16*310
80	73	180	210	98	103	16.0	3	200	160	132	8-Ø19	8-M16*310
100	73	180	220	118	123	16.0	3	220	180	156	8-Ø19	8-M16*310
125	76	180	220	144	149	16.0	3	250	210	184	8-Ø19	8-M20*340
150	77	180	230	170	175	16.0	3	285	240	211	8-Ø23	8-M16*310
200	78	200	230	222	227	17.0	3	340	295	266	12-Ø23	12-M20*340
250	92	200	250	274	279	19.0	3	400	355	319	12-Ø28	12-M24*370
300	93	220	250	326	331	20.5	4	455	410	370	12-Ø28	12-M24*410
350	112	220	270	378	384	22.5	4	520	470	429	16-Ø29	16-M24*410
400	113	220	280	429	435	24.0	4	580	525	480	16-Ø31	16-M27*430
450	113	220	280	480	486	26.0	4	640	585	530	20-Ø31	20-M27*430
500	115	240	300	532	538	27.5	4	715	650	582	20-Ø34	20-M30*440
600	115	240	300	635	641	31.0	5	840	770	682	20-Ø37	20-M33*480
700	115	260	320	738	744	34.5	5	910	840	794	24-Ø37	24-M33*480
800	115	260	320	842	848	38.0	5	1025	950	901	24-Ø40	24-M36*520
900	115	280	340	945	953	41.5	5	1125	1050	1001	28-Ø40	28-M36*520
1000	130	280	360	1048	1058	45.0	5	1255	1170	1112	28-Ø43	28-M39*560
1100	130	280	360	1152	1162	48.5	5	1355	1270	1215	32-Ø43	32-M39*560
1200	130	300	360	1255	1265	52.0	5	1485	1390	1328	32-Ø49	32-M45*600
1400	130	300	380	1462	1472	55.0	5	1685	1590	1530	36-Ø49	36-M45*630
1500	180	320	400	1565	1575	57.0	5	1820	1710	1640	36-Ø56	36-M52*665
1600	180	320	420	1668	1683	60.0	5	1930	1820	1750	40-Ø56	40-M52*665