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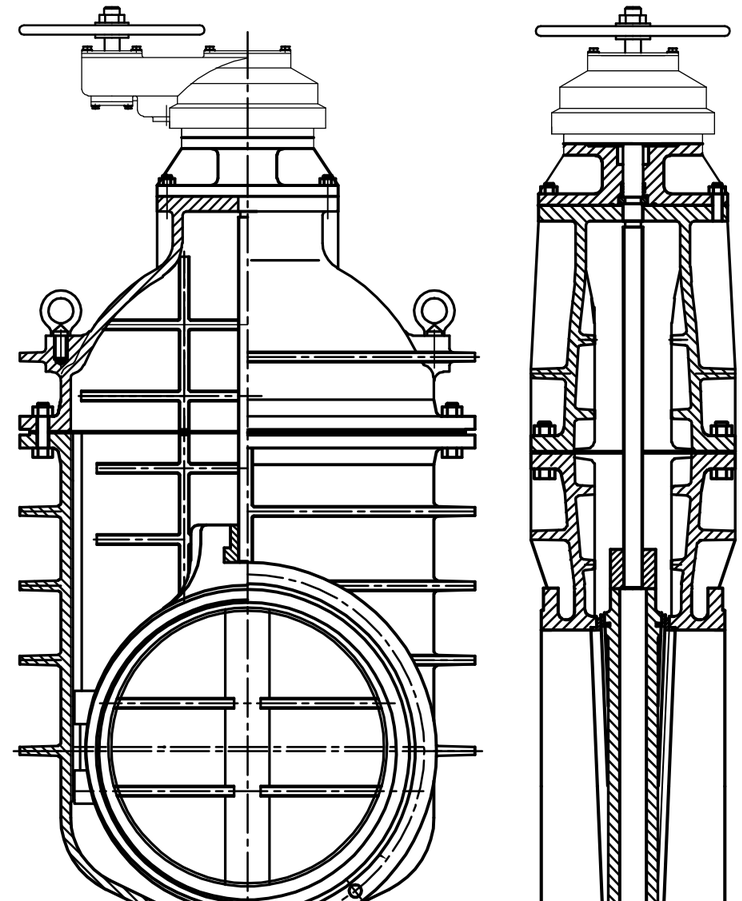
VALVES AND FITTINGS MANUFACTURER
YOUR EXPERT FACTORY IN CHINA

Qingdao Judberd Machinery Co Ltd

JUDBERD MACHINERY
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COMPANY PROFILE

QINGDAO JUDBERD MACHINERY CO.,LTD

200+
Total Staff

15+
Administrative Staff

20+
Technical Personnel

20+
College Degree workers

Judberd ductile iron valves(gate valve,check valve,y strainer etc) are manufactured using advanced equipment in a outstanding quality level using the finest materia is available.

Designed by a first class team of ductile iron valves specialists with over 20 years experience in the water industry.

Manufacturing facilities are certified to ISO9001-2000 and are company owned and operated.

PRIMARY MATERIALS

DUCTILE IRON

Ductile iron valves are manufactured from ductile iron conforming to

- ASTM A536 GR.65-45-12
- BS EN 1563 ENGJS500-7
- DIN GGG40/50

or greater strength and improved resistance to internal pressures.

Gasket/Resilient seat EPDM according to EN683, WRAS approved is also available

coating first class epoxy powder, WRAS approved powder is also available.

TIE RODS

Galvanized/dacromet/hot dip galvanization carbon steel grade 4.8/6.8/8.8

- STAINLESS STEEL AISI 304
- STAINLESS STEEL AISI 316

Installation and operation flanges conform fully to ANSIB16.1 class 125/ANSI B16.2 class250 or EN 1092-2 PN10/PN16/PN25.

Mechanical joint ends conform to AWWA C111/ANSI A21.11 other flange types are available for specific market requirement.



WE ARE HONORED TO BE CERTIFIED BY WRAS,DVGW,NSF,CE ETC,AND WE OFFER OUTSTANDING QUALITY PRODUCTS WHICH IS GUARANTEED BY AUTO PRODUCTION LINE .PROFESSIONAL AND EXPERIENCED WORKERS,ISO9001 CERTIFIED QUALITY CONTROL SYSTEM AND STRICTLY MANAGEMENT SYSTEM.

WE INVITE YOU TO GET TO KNOW US BETTER.AND WELCOME YOU COME TO VISIT US.

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PRODUCT INTRODUCTION

NON-RISING STEM RESILIENT SEATED GATE VALVE F4/F5

SPECIFICATIONS

01 Flange standard: EN1092-2

02 Valve standard: DIN3352 F4/F5

03 Test standard: EN1074-2

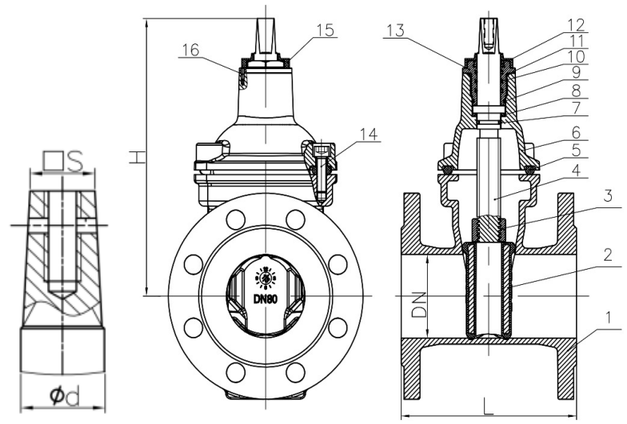


04 Working temperature: -20°-80°

05 Working pressure: PN10-PN16

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	ductile iron GGG50
2	Disc	ductile iron GGG50+EPDM
3	Stem nut	ZCuZn38
4	Stem	2Cr13
5	Sealing	EPDM
6	Bonnet	ductile iron GGG50
7	O-ring	EPDM
8	Gasket	PTFE
9	O-ring	EPDM
10	O-ring	NBR
11	O-ring	EPDM
12	Anti Dust ring	NBR
13	Nut	HPb59-1
14	Bolt	35CrMoA
15	Bonnet protect ring	NBR
16	screw	2Cr13



DIMENSIONS(MM)

DN	40	50	60/65	80	100	125	150	200	250	300	350	400	500	600
L(F4)	140	150	170	180	190	200	210	230	250	270	290	310	350	390
L(F5)	240	250	270	280	300	325	350	400	450	500	/	600	700	800
H	205	218	255	277	325	355	395	482	572	662	830	915	1000	1050
£S	14.3	14.3	17.3	17.3	19.3	19.3	19.3	24.3	27.3	27.3	27.3	27.3	32.3	32.3
¢d	20	20	24	24	28	28	28	30	36	36	38	38	40	42

Please note dimension may vary at our discretion.

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NON-RISING STEM RESILIENT SEATED GATE VALVE BS5163

SPECIFICATIONS



01
Flange standard: EN1092-2

02
Valve standard: BS5163

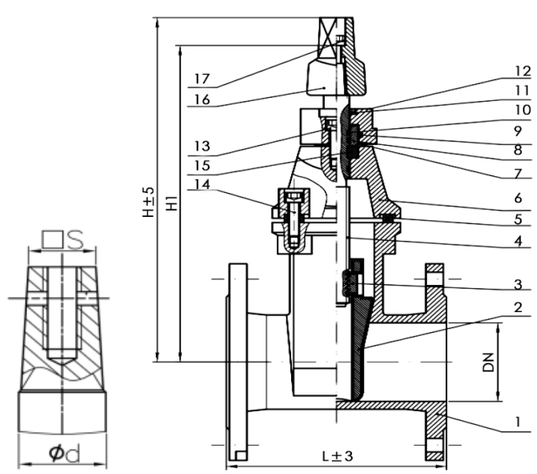
03
Test standard: EN1074-2

04
Working temperature: -20°-80°

05
Working pressure: PN10-PN16

MATERIAL SPECIFICATION

NO.	NAME	MATERIAL
1	Body	Ductile iron
2	Wedge	Ductile iron & EPDM
3	Stem Nut	Brass
4	Stem	SS420
5	Sealing Gasket	EPDM
6	Cover	Ductile iron
7	O ring	EPDM
8	Sealing Sleeve	Brass
9	O ring	EPDM
10	O ring	EPDM
11	Dust proof sealing ring	EPDM
12	Gland	Ductile iron
13	Hexagon Bolt	A2-70
14	Hexagon Bolt	A2-70
15	Locating ring	Brass
16	Wrench head	Ductile iron
17	Hexagon Bolt	A2-70



DIMENSIONS(MM)

DN	40	50	60/65	80	100	125	150	200	250	300	350	400	450	500	600
L	165	178	190	203	229	254	267	292	330	356	381	406	432	457	508
H	280	315	335	350	385	430	480	575	665	750	845	905	1025	1075	1240
£S	17.3	17.3	17.3	17.3	17.3	19.3	19.3	24.3	27.3	27.3	27.3	27.3	27.3	32.3	32.3
¢d	26	26	26	26	26	28	28	34	38	38	38	38	40	40	42

Please note dimension may vary at our discretion.

DIN3352-F4 NON-RISING STEM METAL SEATED GATE VALVE -BIG SIZE

SPECIFICATIONS



01
Design standard: EN1171

02
Flange drilled is according to DIN EN1092-2 PN10

03
Face to face: DIN3202 F4

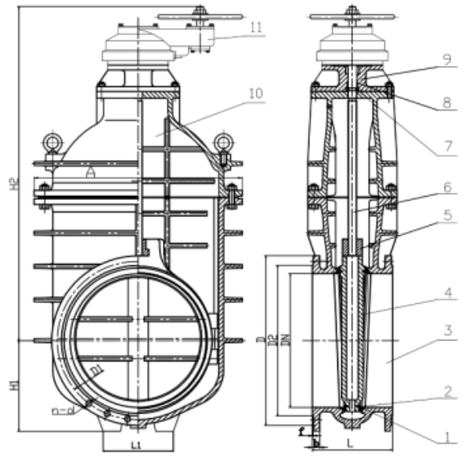
04
Test Standard EN12266-1 Rate B
Please note test standard EN12266-1 Rate A (Zero Leakage) is also available and common for us

05
Working pressure PN10

06
Suitable temperature ≤80 ℃
DIN3352-F4/F5, BS5163 standard,PN10,PN16,PN25, size from DN50 to DN2000 are available

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body seal ring	Bronze
2	Gate seal ring	Bronze
3	Body	Ductile iron
4	Gate	Ductile iron
5	Stem nut	Bronze AB2
6	Stem	Stainless steel SS420
7	Stem collar	Stainless steel SS420
8	O-ring	EPDM
9	Support	Ductile iron
10	Bonnet	Ductile iron
11	Gearbox	Ductile iron



DIMENSIONS(MM)

DN	L	D	D1	D2	b	f	n-d	A	L1	H1	H2
700	430	895	840	794	32.5	5	24-¢31	1136	480	480	1807
800	470	1015	950	901	35	5	24-¢34	1223	540	540	1965
900	510	1115	1050	1001	37.5	5	28-¢34	1396	600	645	2129
1000	550	1230	1160	1112	40	5	28-¢37	1468	700	680	2406
1200	630	1455	1380	1328	45	5	32-¢41	1625	800	800	2647

Please note dimension may vary at our discretion.

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DIN3352-F4 NON-RISING STEM METAL SEATED GATE VALVE -SMALL SIZE

SPECIFICATIONS

01
Face to face is according to DIN EN558-1

02
Flange drilled is according to DIN EN1092-2



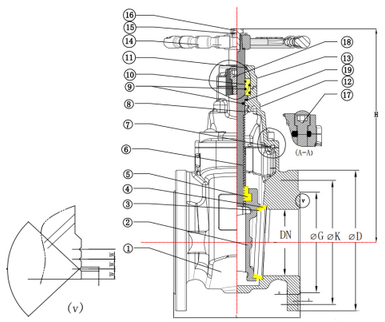
03
Working temperature: -20°-80°

04
Working pressure: PN10-PN16

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Ductile iron
2	Disc	Ductile iron
3	Seal ring	Brass
4	Valve seat	Brass
5	Nut	Brass
6	Stem	2Cr13
7	Gasket	EPDM
8	Rubber gasket	EPDM
9	O-ring	NBR
10	Copper bush	Brass

NO.	PART	MATERIAL
11	Dust ring	NBR
12	Bonnet	Ductile iron
13	Gland	Ductile iron
14	Handwheel	Ductile iron
15	Gasket	SS304
16	Bolt	SS304
17	Bolt	Carbon steel
18	Bolt	SS304
19	Gasket	PTFE



DIMENSIONS(MM)

DN	TR	Stem Diameter	L	D		K		G		A	B	C	H	n-φd	
				PN10	PN16	PN10	PN16	PN10	PN16					PN10	PN16
50	TR18*4LH-8E	18	150	165	165	125	125	99	99	3	19	200	245	4-19	4-19
65	TR18*4LH-8E	18	170	185	185	145	145	118	118	3	19	200	268	4-19	4-19
80	TR20*4LH-8E	20	180	200	200	160	160	132	132	3	19	220	290	8-19	8-19
100	TR24*4LH-8E	24	190	220	220	180	180	156	156	3	19	250	315	8-19	8-19
125	TR28*6LH-8E	28	200	250	250	210	210	184	184	3	19	280	370	8-19	8-19
150	TR28*6LH-8E	28	210	285	285	240	240	211	211	3	19	280	410	8-23	8-23
200	TR32*6LH-8E	32	230	340	340	295	295	266	266	3	20	320	495	8-23	12-23
250	TR36*6LH-8E	36	250	405	405	350	355	319	319	3	22	350	628	12-23	12-28
300	TR38*6LH-8E	38	270	460	460	400	410	370	370	4	25	450	680	12-23	12-28
350	TR38*6LH-8E	38	290	520	520	460	470	429	429	4	27	550	751	16-23	16-28
400	TR42*6LH-8E	42	310	580	580	515	525	480	480	4	28	550	940	16-28	16-31
500	TR50*6LH-8E	50	350	715	715	620	650	582	609	4	32	650	1125	20-28	20-34
600	TR50*6LH-8E	50	390	840	840	725	770	682	720	5	36	650	1290	20-31	20-37

Please note dimension may vary at our discretion.

DIN3352-F4/F5 BS5163 OS&Y RESILIENT SEATED GATE VALVE

SPECIFICATIONS

01
Design standard :EN1171

02
Flange drilled is according to EN1092-2

03
Face to face :EN558-1 Series 3/14/15



04
Test Standard EN12266-1

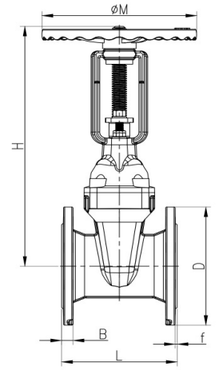
05
Working pressure PN10/PN16/PN25

06
Suitable temperature 0-80 ℃

MATERIAL SPECIFICATION

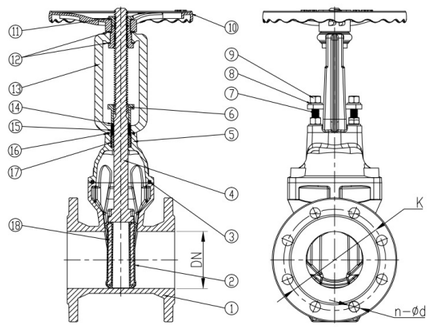
NO.	PART	MATERIAL
1	Body	Ductile iron
2	Disc	Ductile iron & EPDM
3	Bonnet Gasket	NBR
4	Stem	Stainless steel SS420
5	Bonnet	Ductile iron
6	Gland	Ductile iron
7	Bolt	Stainless steel SS304
8	Washer	Stainless steel SS304
9	Nut	Stainless steel SS304

NO.	PART	MATERIAL
10	Handwheel	Ductile iron
11	Stem Nut	Cuzn39pb1 brass
12	Friction Pads	Stainless steel SS304
13	Yoke	Ductile iron
14	Gasket	POM
15	O ring	NBR
16	O ring	NBR
17	Washer	Phenolic PF
18	Disc core	Ductile iron



DIMENSIONS(MM)

DN	F4(L)	BS5163(L)	F5(L)	M	H	Number of turns
40	140	165	240	200	290	14
50	150	178	250	200	290	14
65	170	190	270	200	350	17
80	180	203	280	200	375	20
100	190	229	300	254	450	21
125	200	254	325	315	510	26
150	210	267	350	315	585	26
200	230	292	400	315	735	34
250	250	330	450	406	875	43
300	270	356	500	406	1015	51
350	290	381	550	500	1210	51
400	310	406	600	500	1335	58
500	350	457	700	650	1600	73



Please note dimension may vary at our discretion.

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DIN3352-F4/F5 BS5163 OS&Y METAL SEATED GATE VALVE

SPECIFICATIONS

01
Design standard :EN1171

02
Flange drilled is according to EN1092-2

03
Face to face :EN558-1 Series 3/14/15



04
Test Standard EN12266-1

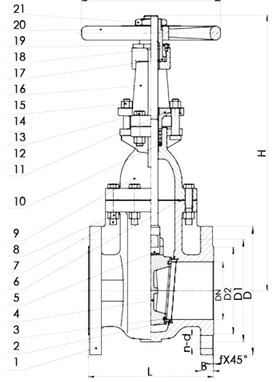
05
Working pressure PN10/PN16/PN25

06
Suitable temperature 0-80 ℃

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Cast Iron
2	Seat ring	Cast bronze
3	Seat ring	Cast bronze
4	Wedge	Cast Iron
5	Stem	Brass
6	Gasket	graphite
7	Bolt	Steel
8	Nut	Steel
9	Bonnet	Cast Iron
10	Packing	graphite
11	Gland follower	Ductile Iron

NO.	PART	MATERIAL
12	Bolt	Steel
13	Nut	Steel
14	Gland follower bolt	Steel
15	Nut	Steel
16	Yoke	Cast Iron
17	Yoke bushing	Cast brass
18	Screw	Steel
19	Yoke bushing nut	Cast Iron
20	Handwheel	Cast Iron
21	Handwheel nut	Steel



DIMENSIONS(MM)

DN	F4(L)	BS5163(L)	F5(L)	D	D1	D2	B	n-d	D0	f	H
50	150	177.8	250	165	125	99	20	4-19	178	3	311
65	170	190	270	185	145	118	20	4-19	178	3	347
80	180	203.2	280	200	160	132	22.2	8-19	200	3	384
100	190	228.6	300	220	180	156	24	8-19	254	3	490
125	200	254	325	250	210	184	26	8-19	300	3	541
150	210	266.7	350	285	240	211	26	8-23	300	3	656
200	230	292.1	400	340	295	266	30	12-23	348	3	778
250	250	330.2	450	405	355	319	32	12-28	400	3	933
300	270	355.6	500	460	410	370	32	12-28	457	4	1102
350	290	381	550	520	470	429	36	16-28	560	4	1259
400	310	406.4	600	580	525	480	38	16-31	560	4	1395
500	350	457	700	715	650	609	42	20-34	610	4	1708
600	390	508	800	840	770	720	48	20-37	765	5	1990

Please note dimension may vary at our discretion.

NRS RESILIENT SEATED GATE VALVE FOR PE PIPE

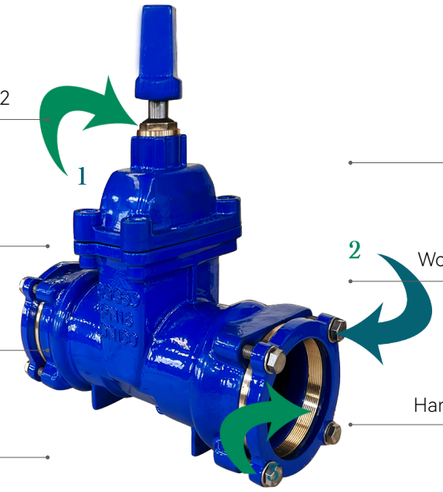
SPECIFICATIONS

01
Design standard BSEN1171/EN1074-2

02
Socket ends:Fitted with NBR/EPDM rubber seal to suit HDPE pipes

03
Inspection&Testing:BSEN12266-1

04
Trip O-rings stem seal



05
Working pressure 16bar

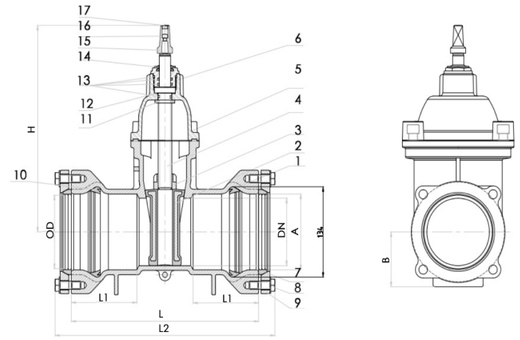
06
Working temperature -20℃ to 85℃

07
Operator:
Hand wheel,Operating Nut,Gearbox

1. With Bonnet and Wedge Sealing,Can change stem O type ring without stopping water

2. Bolts position is convenient for assembling and disassembling

3. With brass grip ring for HDPE pipe



MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Ductile Iron
2	Wedge	Ductile iron and EPDM
3	Stem Nut	Brass Pb59-1
4	Stem	SS420
5	Bonnet	Ductile Iron
6	Gland	Brass Pb59-1
7	Grip Ring	Brass Pb59-1
8	Bolts	SS304
9	Gland	Ductile Iron
10	Gasket	NBR/EPDM
11	Wedge Nut	Gasket NBR/EPDM
12	Stem Bushing	Brass
13	O rings	NBR
14	Dust Cap	NBR/EPDM
15	Operating Nut	Ductile Iron
16	Bolt	Carbon Steel
17	Cap	Plastic

DIMENSIONS(MM)

OD	H	L	L1	L2	A	B
63	240	250	90	310	66	59
75	270	270	95	330	78	67
90	310	280	100	340	93	77
110	360	300	105	360	113	87
125	410	375	105	435	128	110
140	410	375	110	435	144	110
160	450	390	145	450	163	114
200	540	420	155	480	203	150
225	540	420	155	480	228	165
250	600	480	175	540	253	173
280	600	480	175	540	283	188
315	690	490	175	550	318	200

Please note dimension may vary at our discretion.

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NRS RESILIENT SEATED GATE VALVE FOR PVC PIPE

SPECIFICATIONS

01
Design Standard:
BS EN1171/EN1074-2, SABS 664

02
Socket ends:Fitted with NBR/EPDM rubber seal to suit PVC pipes

03
Inspection&Testing:BSEN12266-1



04
Trip O-rings stem seal

05
Working pressure 16bar

06
Working temperature -20℃ to 85℃

07
Operator:
Hand wheel,Operating Nut,Gearbox

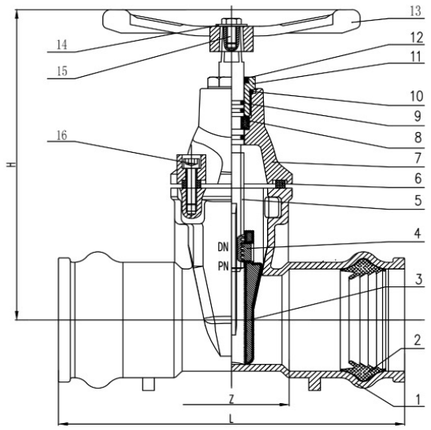
MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Ductile iron
2	Gasket	EPDM
3	Wedge	Ductile iron &EPDM
4	Stem Nut	ZCuZn38Mn2Pb2
5	Stem	SS420
6	Sealing ring	EPDM
7	Bonnet	Ductile iron
8	positioning sleeve	HPb59-1

NO.	PART	MATERIAL
9	O ring	EPDM
10	O ring	EPDM
11	Sealing Nut	Zcuzn38
12	Anti Dust ring	EPDM
13	Handwheel	Ductile iron
14	Washer	SS304
15	Outer hexagonal bolt	SS304
16	Hexagon socket bolt	SS304

DIMENSIONS(MM)

Size	Z	L	H
40/50	85	237	210
50/63	85	250	220
60（65）/75	90	269	250
80/90	99	298	280
100/110	114	326	325
125/125	110	330	365
125/140	125	353	365
150/160	140	390	405
150/180	150	416	405
200/200	150	422	500
200/225	170	466	500
250/250	160	473	595
300/315	180	541	680



Please note dimension may vary at our discretion.

F1 Y TYPE STRAINER

SPECIFICATIONS

01
Face to face is
according to EN558-1

02
Flange drilled is
according to EN1092-2

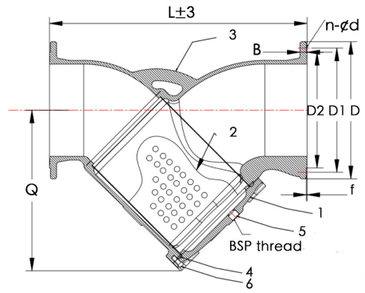


03
Working temperature:
-20°-80°

04
Working pressure:
PN10-PN16

MATERIAL SPECIFICATION

NO.	NAME	MATERIAL
1	Bonnet	Ductile iron
2	Screen	SS304
3	Body	Ductile iron
4	Bonnet gasket	NBR
5	Plug	Carbon steel
6	Bolt	Carbon steel





DIMENSIONS(MM)

DN	D	D1		D2		L	B	F	M	Q	n-ϕd	
	PN10/16	PN10	PN16	PN10	PN16						PN10	PN16
50	165	125		102		230	19	3	1/2	140	4-19	4-19
65	185	145		122		290	19	3	1/2	153	4-19	4-19
80	200	160		138		310	19	3	1/2	178	8-19	8-19
100	220	180		158		350	19	3	1/2	196	8-19	8-19
125	250	210		188		400	19	3	1/2	240	8-19	8-19
150	285	240		212		480	19	3	1/2	287	8-23	8-23
200	340	295		268		600	20	3	1/2	357	8-23	12-23
250	405	350	355	320		730	22	3	1	452	12-23	12-27
300	460	400	410	370	378	850	24.5	3	1	520	12-23	12-27
350	520	460	470	430	438	980	27	4	1	613	16-23	16-28
400	580	515	525	480	487	1100	28	4	1	691	16-28	16-31
450	640	565	585	540	560	1200	30	4	1	765	20-28	20-31
500	715	620	650	580	610	1250	32	4	1	850	20-28	20-34
600	840	725	770	690	727	1450	36	4	1	986	20-31	20-37

Please note dimension may vary at our discretion.

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T TYPE STRAINER

SPECIFICATIONS

01
Face to face is according to ANSI B16.10

02
Flange drilled is according to EN1092-2

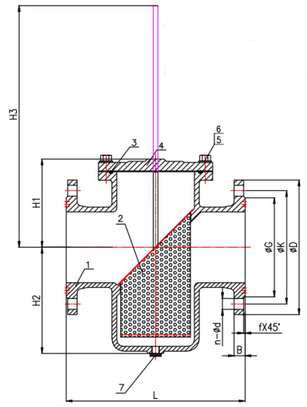


03
Working temperature: -20°-80°

04
Working pressure: PN10-PN16

MATERIAL SPECIFICATION

NO.	NAME	MATERIAL
1	Body	Ductile iron
2	Screen	SS304
3	O ring	NBR
4	Cover	Ductile iron
5	Bolt	SS201
6	Gasket	SS201
7	Plug	SS304



DIMENSIONS(MM)

DN	L	D	K		G		B	f	n-Φd		H1	H2	H3
			PN10	PN16	PN10	PN16			PN10	PN16			
50	207	165	125	125	94	94	19	3	4-19	4-19	114	98	287
65	210	185	145	145	114	114	19	3	4-19	4-19	129	112	332
80	251	200	160	160	129	129	19	3	8-19	8-19	142	125	372
100	292	220	180	180	150	150	19	3	8-19	8-19	165	160	441
125	334	250	210	210	180	180	19	3	8-19	8-19	173	185	449
150	378	285	240	240	206	206	19	3	8-23	8-23	165	235	505
200	475	340	295	295	262	262	20	3	8-23	12-23	215	295	632
250	511	405	350	355	312	312	22	3	12-23	12-28	250	340	736
300	667	460	400	410	364	367	24.5	3	12-23	12-28	283	423	868
350	769	520	460	470	424	427	26.5	3	16-23	16-28	345	540	1103
400	842	580	515	525	472	475	28	4	16-28	16-31	390	590	1251
500	900	715	620	650	574	597	31.5	4	20-28	20-34	441	696	1460
600	1000	840	725	770	670	700	36	5	20-30	20-37	523	834	1728

Please note dimension may vary at our discretion.

SWING CHECK VALVE

SPECIFICATIONS

01
Design Standard: BS EN1074-3/BS EN12334/AWWA C508

02
Face to Face Standard: EN558. S10/S48. ASME B16.10. (DIN3202 F6/BS5153)

03
Flanges Standard: BS EN1092-2. ASME B16.1, AWWA C508



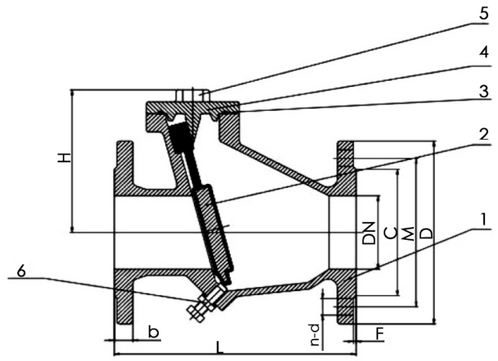
04
Inspection & testing: BS EN12266-1. AWWA C508

05
Working Pressure: 16bar 250PSI

06
Working Temperature: -20℃ to 100℃(4℉ to 212℉)

MATERIAL LIST

ITEM	PART	MATERIAL
1	Body	Ductile Iron
2	Flap	DI & EPDM
3	Gasket	NBR
4	Bonnet	Ductile Iron
5	Bolts	Stainless Steel
6	Bolts	Stainless Steel



DIMENSIONS(MM) EN1092-2 PN16

DN	L			H	D		C	M		b	F	n-d	
	DINF6	BS5153	AWWAC515		DIN BS	AWWA		DIN BS	AWWA			DIN BS	AWWA
50	200	203	203	120	165	152	99	125	120.5	19	3	4-19	4-19
65	240	216	216	140	185	178	118	145	139.5	19	3	4-19	4-19
80	260	241	241	168	200	191	132	160	152.5	19	3	8-19	4-19
100	300	292	292	185	220	229	156	180	190.5	19	3	8-19	8-19
125	350	330	/	225	250	/	184	210	/	19	3	8-19	/
150	400	356	356	269	285	279	211	240	241.5	19	3	8-23	8-22
200	500	495	495	312	340	343	266	295	298.5	20	3	12-23	8-22
250	600	622	622	328	405	406	319	355	362	22	3	12-28	12-25
300	700	698	698	377	460	483	370	410	432	24.5	4	12-28	12-25
350	800	787	787	459	520	533	429	470	476	26.5	4	16-28	12-29
400	900	914	914	437	580	597	480	525	539.5	28	4	16-31	16-29

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F6 METAL SEATED SWING CHECK VALVE

SPECIFICATIONS

01
Face to face is according to EN558-1

02
Flange drilled is according to EN1092-2

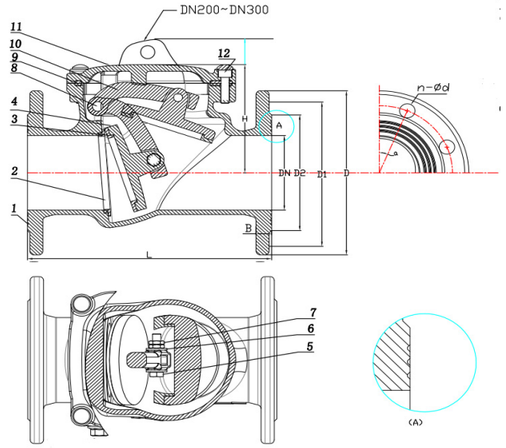


03
Working temperature: -20°-80°

04
Working pressure: PN10-PN16

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Ductile iron
2	Valve seat	Brass
3	Seal ring	Brass
4	Disc	Ductile iron
5	Bolt	SS304
6	Gasket	SS304
7	Nut	SS304
8	Pin	2Cr13
9	Seal gasket	NBR
10	Rocker arm	Ductile iron
11	Bonnet	Ductile iron
12	Bolt	Carbon steel



DIMENSIONS(MM)

DN	L	D		D1		D2		B	H	n-Φd	
		PN10	PN16	PN10	PN16	PN10	PN16			PN10	PN16
50	200	165	165	125	125	99	99	19	115	4-19	4-19
65	240	185	185	145	145	118	118	19	118	4-19	4-19
80	260	200	200	160	160	132	132	19	130	8-19	8-19
100	300	220	220	180	180	156	156	19	145	8-19	8-19
125	350	250	250	210	210	184	184	19	160	8-19	8-19
150	400	285	285	240	240	211	211	19	185	8-23	8-23
200	500	340	340	295	295	266	266	20	285	8-23	12-23
250	600	405	405	350	355	319	319	22	325	12-23	12-28
300	700	460	460	400	410	370	370	25	390	12-23	12-28

Please note dimension may vary at our discretion.

F6 RESILIENT SEATED SWING CHECK VALVE

SPECIFICATIONS

01
Face to face is according to EN558-1

02
Flange drilled is according to EN1092-2

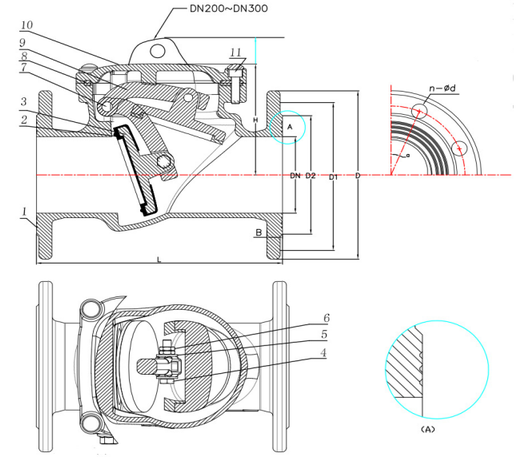


03
Working temperature: -20°-80°

04
Working pressure: PN10-PN16

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Ductile iron
2	Seal ring	EPDM
3	Disc	Ductile iron
4	Bolt	SS201
5	Gasket	SS304
6	Nut	SS201
7	Pin	SS304
8	Seal gasket	NBR
9	Rocker arm	Ductile iron
10	Bonnet	Ductile iron
11	Bolt	Carbon steel



DIMENSIONS(MM)

DN	L	D		D1		D2		B	H	n-Φd	
		PN10	PN16	PN10	PN16	PN10	PN16			PN10	PN16
50	200	165	165	125	125	99	99	19	115	4-19	4-19
65	240	185	185	145	145	118	118	19	118	4-19	4-19
80	260	200	200	160	160	132	132	19	130	8-19	8-19
100	300	220	220	180	180	156	156	19	145	8-19	8-19
125	350	250	250	210	210	184	184	19	160	8-19	8-19
150	400	285	285	240	240	211	211	19	185	8-23	8-23
200	500	340	340	295	295	266	266	20	285	8-23	8-23
250	600	405	405	350	355	319	319	22	325	12-23	12-23
300	700	460	460	400	410	370	370	25	390	12-23	12-23

Please note dimension may vary at our discretion.

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BS5153 METAL SEATED SWING CHECK VALVE

SPECIFICATIONS

01
Face to face is according to EN558-1

02
Flange drilled is according to EN1092-2

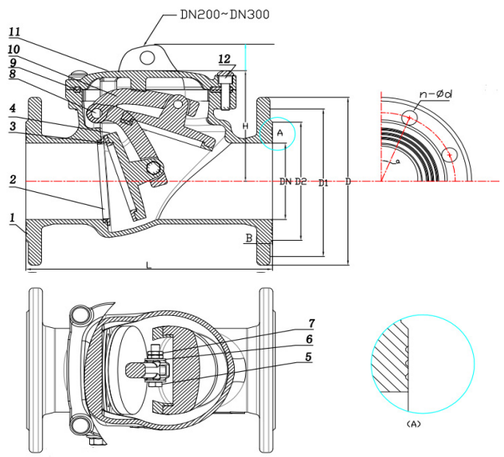


03
Working temperature: -20°-80°

04
Working pressure: PN10-PN16

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Ductile iron
2	Valve seat	Brass
3	Seal ring	Brass
4	Disc	Ductile iron
5	Bolt	SS304
6	Gasket	SS304
7	Nut	SS304
8	Pin	2Cr13
9	Seal gasket	NBR
10	Rocker arm	Ductile iron
11	Bonnet	Ductile iron
12	Bolt	Carbon steel



DIMENSIONS(MM)

DN	L	D		D1		D2		B	H	n-ϕd	
		PN10	PN16	PN10	PN16	PN10	PN16			PN10	PN16
50	203	165	165	125	125	99	99	19	115	4-19	4-19
65	216	185	185	145	145	118	118	19	118	4-19	4-19
80	241	200	200	160	160	132	132	19	130	8-19	8-19
100	292	220	220	180	180	156	156	19	145	8-19	8-19
125	330	250	250	210	210	184	184	19	160	8-19	8-19
150	356	285	285	240	240	211	211	19	185	8-23	8-23
200	495	340	340	295	295	266	266	20	285	8-23	12-23
250	622	405	405	350	355	319	319	22	325	12-23	12-28
300	698	460	460	400	410	370	370	25	390	12-23	12-28

Please note dimension may vary at our discretion.

BS5153 RESILIENT SEATED SWING CHECK VALVE

SPECIFICATIONS

01
Face to face is according to EN558-1

02
Flange drilled is according to EN1092-2

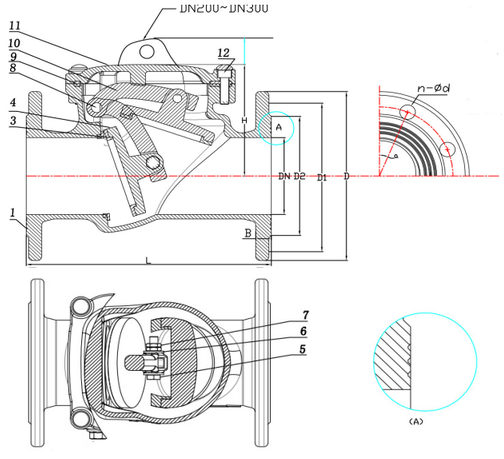


03
Working temperature: -20°-80°

04
Working pressure: PN10-PN16

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Ductile iron
3	Seal ring	EPDM
4	Disc	Ductile iron
5	Bolt	SS304
6	Gasket	SS304
7	Nut	SS304
8	Pin	2Cr13
9	Seal gasket	NBR
10	Rocker arm	Ductile iron
11	Bonnet	Ductile iron
12	Bolt	Carbon steel



DIMENSIONS(MM)

DN	L	D		D1		D2		B	H	n-ϕd	
		PN10	PN16	PN10	PN16	PN10	PN16			PN10	PN16
50	203	165	165	125	125	99	99	19	115	4-19	4-19
65	216	185	185	145	145	118	118	19	118	4-19	4-19
80	241	200	200	160	160	132	132	19	130	8-19	8-19
100	292	220	220	180	180	156	156	19	145	8-19	8-19
125	330	250	250	210	210	184	184	19	160	8-19	8-19
150	356	285	285	240	240	211	211	19	185	8-23	8-23
200	495	340	340	295	295	266	266	20	285	8-23	12-23
250	622	405	405	350	355	319	319	22	325	12-23	12-28
300	698	460	460	400	410	370	370	25	390	12-23	12-28

Please note dimension may vary at our discretion.

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BALL CHECK VALVE THREAD ENDS

SPECIFICATIONS

01
Design Standard: BSEN1074-3/BS EN12334

02
Inspection & testing: BS EN12266-1

03
Working Pressure: 16bar

04
Working Temperature: -20℃ to 100℃

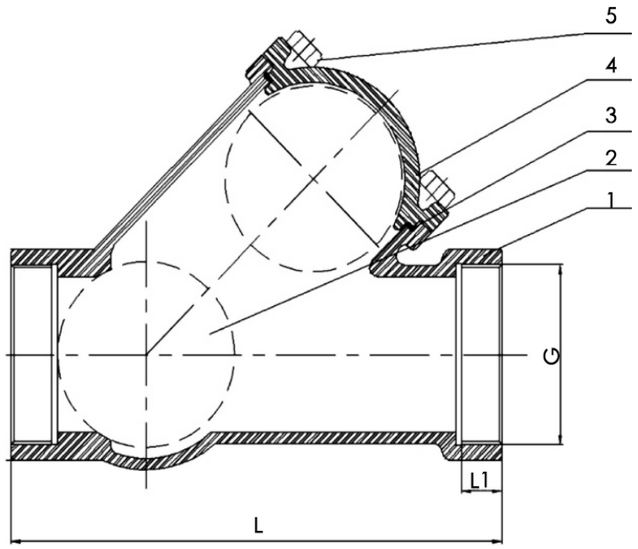


MATERIAL LIST

ITEM	PART	MATERIAL
1	Body	Ductile iron
2	Ball	Steel & EPDM
3	Gasket	NBR/EPDM
4	Bonnet	Ductile Iran
5	Bolts	Statnless Steel

DIMENSIONS(MM)

DN	L	G	L1
25	140	1"	19.1
32	140	1.25"	21.4
40	145	1.5"	21.4
50	170	2"	25.7
65	210	2.5"	30.2
80	240	3"	33.3



BALL CHECK VALVE FLANGE ENDS

SPECIFICATIONS

01
Face to face is according to EN558-1

02
Flange drilled is according to EN1092-2

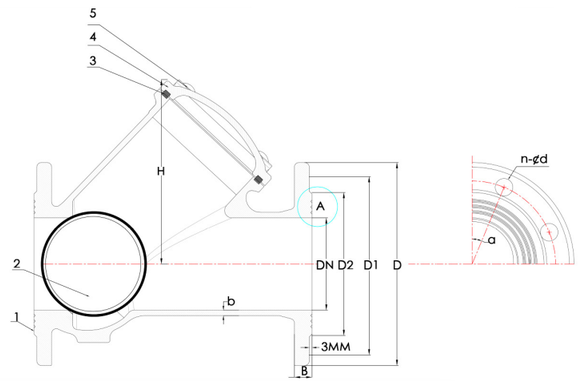
03
Working temperature: -20°-80°

04
Working pressure: PN10-PN16



MATERIAL SPECIFICATION

ITEM	PART	MATERIAL
1	Body	Ductile iron
2	Ball	Ductile iron+ NBR
3	Seal gasket	NBR
4	Bonnet	Ductile iron
5	Bolt	Carbon steel



DIMENSIONS(MM)

DN	L	D		D1		D2		B	H	n-φd		b
		PN10	PN16	PN10	PN16	PN10	PN16			PN10	PN16	
50	200	165	165	125	125	99	99	19	130	4-19	4-19	6
65	240	185	185	145	145	118	118	19	150	4-19	4-19	6
80	260	200	200	160	160	132	132	19	180	8-19	8-19	6.5
100	300	220	220	180	180	156	156	19	203	8-19	8-19	6.8
125	350	250	250	210	210	184	184	19	211	8-19	8-19	7.5
150	400	285	285	240	240	211	211	19	300	8-23	8-23	7.5
200	500	340	340	295	295	266	266	20	365	8-23	12-23	9
250	600	405	405	350	355	319	319	22	445	12-23	12-28	10
300	700	460	460	400	410	370	370	24.5	505	12-23	12-28	11

Please note dimension may vary at our discretion.

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AIR RELEASE VALVE

SPECIFICATIONS

01
Flange drilled is according to EN1092-2

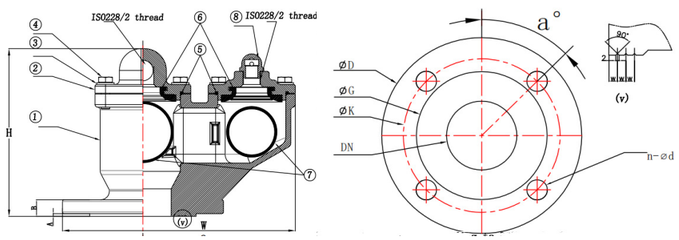


02
Working temperature: -20°-80°

03
Working pressure: PN10-PN16

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Ductile iron
2	Bonnet	Ductile iron
3	Bolt	SS304
4	Gasket	SS304
5	O ring	EPDM
6	Rubber gasket	EPDM
7	Ball	SS304+ABS/SS304
8	Blug	SS304



DIMENSIONS(MM)

DN	D		K		G		B	A	n-ϕd	
	PN10	PN16	PN10	PN16	PN10	PN16			PN10	PN16
50	165	165	125	125	99	99	19	3	4-19	4-19
65	185	185	145	145	118	118	19	3	4-19	4-19
80	200	200	160	160	132	132	19	3	8-19	8-19
100	220	220	180	180	156	156	19	3	8-19	8-19
150	285	285	240	240	211	211	19	3	8-23	8-23
200	340	340	295	295	266	266	20	3	8-23	12-23

Please note dimension may vary at our discretion.

FLAP VALVE

SPECIFICATIONS

01
Flange drilled is according to EN1092-2

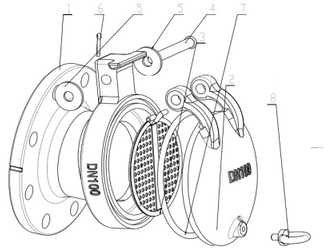


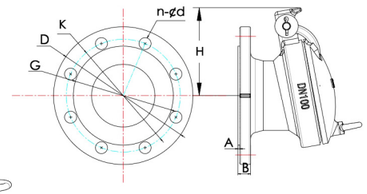
02
Working temperature: -20°-80°

03
Working pressure: PN10-PN16

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Ductile iron
2	Bonnet	Ductile iron
3	Screen	SS304
4	Pin	SS304
5	Metal gasket	SS304
6	Clip	SS304
7	Gasket	EPDM
8	Lifting ring	Carbon steel





DIMENSIONS(MM)

DN	D		K		G		B	A	n-ϕd	
	PN10	PN16	PN10	PN16	PN10	PN16			PN10	PN16
50	165	165	125	125	99	99	19	3	4-19	4-19
65	185	185	145	145	118	118	19	3	4-19	4-19
80	200	200	160	160	132	132	19	3	8-19	8-19
100	220	220	180	180	156	156	19	3	8-19	8-19
125	250	250	210	210	184	184	19	3	8-19	8-19
150	285	285	240	240	211	211	19	3	8-23	8-23
200	340	340	295	295	266	266	20	3	8-23	12-23
250	405	405	350	355	319	319	22	3	12-23	12-27
300	460	460	400	410	370	370	25	3	12-23	12-27
400	580	580	515	525	480	480	28	4	16-27	16-31
600	840	840	725	770	682	720	36	4	20-31	20-37

Please note dimension may vary at our discretion.

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FLANGED DOUBLE ECCENTRIC BUTTERFLY VALVE

SPECIFICATIONS

01
Face to face is according to ISO 5752 series 14

02
Flange drilled is according to EN1092-2

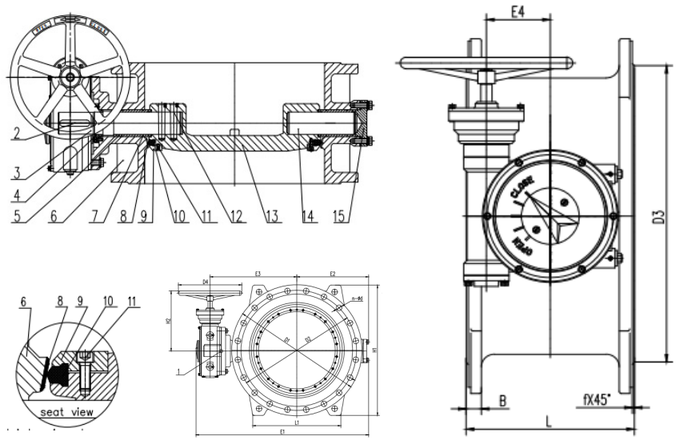


03
Working temperature: -20°-80°

04
Working pressure: PN10-PN16

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Locking pin	2Cr13
2	Key	2Cr13
3	Upper shaft	2Cr13
4	Packing gland	Ductile iron
5	Shaft bush	Bronze
6	Body	Ductile iron
7	O ring	EPDM
8	Body seat	SS304
9	Retainer ring	SS304
10	Disc seal	EPDM
11	Screw	SS304
12	Toper pin	2Cr13
13	Disc	Ductile iron
14	Lower shaft	2Cr13
15	Shaft end	Ductile iron



DIMENSIONS(MM)

DN	D1	D2	D3	B	f	L	n-d	H1	H2	E1	E2	E3	E4	L1	D4
150	285	240	211	19	3	210	8-23	295	155	432	163	235	43	180	180
200	340	295	266	20	3	230	12-23	350	195	534	195	278	64	200	240
250	405	355	319	22	3	250	12-28	415	235	610	234	308	94	240	320
300	460	410	370	24.5	4	270	12-28	470	235	685	258	350	94	280	320
350	520	470	429	26.5	4	290	16-28	530	285	756	298	385	120	300	400
400	580	525	480	28	4	310	16-31	590	285	870	339	461	120	320	400

Please note dimension may vary at our discretion.

OS&Y KNIFE GATE VALVE UNI-DIRECTIONAL

SPECIFICATIONS

01
Design and Manufacturing Standard: JB/T8691 MSS SP-81

02
Face to Face Standard: GB/T12221 MSS SP-81

03
Flange Standard: EN1092-1

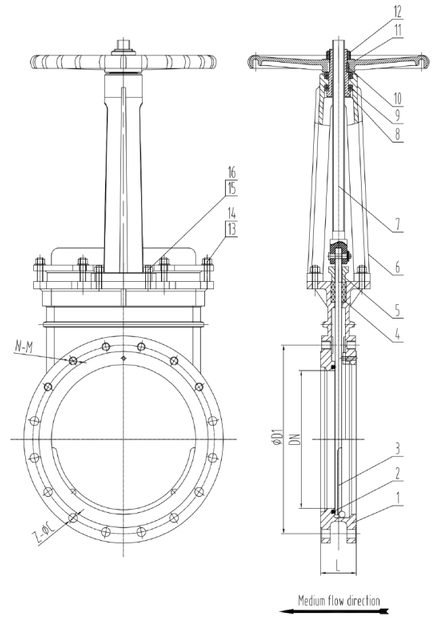
04
Inspection & testing: BS EN 12266-1



MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	WCB
2	Seat	EPDM
3	Disc	SS304
4	Packing	High water base packing
5	Gland	WCB
6	Yoke	WCB
7	Stem	2CR13
8	Yoke Sleeve	Copper alloy

NO.	PART	MATERIAL
9	Bear	GCR15
10	Key	45
11	Handwheel	KTH350-10
12	Lock Nut	45
13	Bolt	B7
14	Nut	2H
15	Bolt	B7
16	Nut	2H



DIMENSIONS(MM)

DN	L	D1	N-M	z-Φc
50	50	125	2-M16	2-Φ18
65	50	145	2-M16	2-Φ18
80	50	160	2-M16	6-Φ18
100	52	180	2-M16	6-Φ18
125	56	210	2-M16	6-Φ18
150	56	240	2-M20	6-Φ22
200	60	295	2-M20	6-Φ22
250	78	350	4-M20	8-Φ22
300	78	400	4-M20	8-Φ22
350	78	460	6-M20	10-Φ22
400	102	515	6-M24	10-Φ26
450	114	565	8-M24	12-Φ26
500	127	620	8-M24	12-Φ26
600	154	725	8-M27	12-Φ30

Please note dimension may vary at our discretion.

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NRS/OS&Y KNIFE GATE VALVE BI-DIRECTIONAL

SPECIFICATIONS

01
Face To Face:
EN 558 S20 MSS SP-81

02
Flange Standard:
EN1092-2 , BS10 , T/E, T/D,MSS SP-81

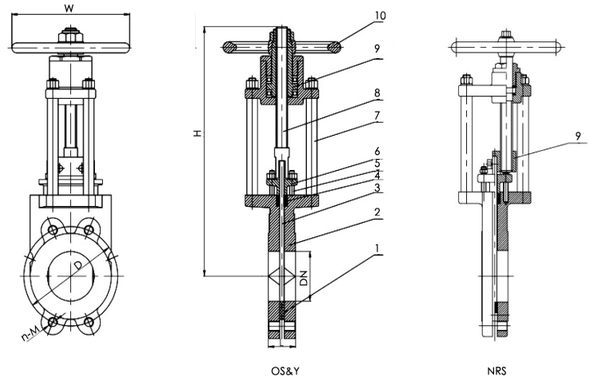


03
Inspection & testing:
BS EN 12266-1/AWWA C520

04
Working Temperature:
-20℃ to 100℃(-4°F to 212°F)

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	U Seat	EPDM
2	Body	Ductile Iron
3	Knife	SS316
4	Packing	PTFE
5	Bolts	Stainless Steel
6	Packing Gland	Ductile Iron
7	Yoke	SS420
8	Stem	SS420
9	Stem Nut	Brass
10	Handwheel	Ductile Iron



DIMENSIONS(MM)

DN	H	EN1092-2(PN10)			BS 10 T/D			BS 10 T/E			ANSI MSS SP-81			W	
		L	D	n-M	L	D	n-M	L	D	n-M	L	D	n-M	OS&Y	NRS
50	337	43	125	4-M16	43	114.3	4-5/8"	43	114.3	4-5/8"	48	120.5	4-5/8"	180	160
65	357	46	145	4-M16	46	146	4-5/8"	46	146	4-5/8"	48	139.5	4-5/8"	180	160
80	400	46	160	8-M16	46	165.1	4-5/8"	46	165.1	4-5/8"	51	152.5	4-5/8"	200	200
100	435	52	180	8-M16	52	177.8	8-5/8"	52	177.8	8-5/8"	51	190.5	8-5/8"	250	200
125	519	56	210	8-M16	56	209.8	8-5/8"	56	209.8	8-5/8"	51	216	8-3/4"	300	300
150	550	56	240	8-M20	56	235	8-5/8"	56	235	8-3/4"	57	241.5	8-3/4"	300	300
200	648	60	295	8-M20	60	292.1	8-5/8"	60	292.1	8-3/4"	70	298.5	8-3/4"	350	300
250	735	68	350	12-M20	68	355.6	8-3/4"	68	355.6	12-3/4"	70	362	12-7/8"	400	350
300	879	78	400	12-M20	78	406.4	12-3/4"	78	406.4	12-7/8"	76	432	12-7/8"	500	500
350	967	78	460	16-M20	78	469.9	12-7/8"	78	469.9	12-7/8"	76	476	12-1"	500	500
400	1068	102	515	16-M24	102	520.7	12-7/8"	102	520.7	12-7/8"	89	539.5	12-1"	500	600
450	1169	114	565	20-M24	114	584.2	12-7/8"	114	584.2	16-7/8"	89	578	16-1-1/8"	500	600
500	1267	127	620	20-M24	127	641.3	16-7/8"	127	641.3	16-7/8"	114	635	20-1-1-8"	600	600
600	1480	154	725	20-M27	154	755.6	16-1"	154	755.6	16-7/8"	114	749.5	20-1-1/4"	600	600

Please note dimension may vary at our discretion.

NRS RESILIENT SEATED GATE VALVE, RESTRAINED JOINT ENDS FOR IPS HDPE PIPE

SPECIFICATIONS

01
Design complies with
AWWA C515 Standard

02
Push on ends:
Fitted with NBR/EPDM rubber seals
to suit IPS HDPE Pipes

03
Test&Inspection AWWA C515



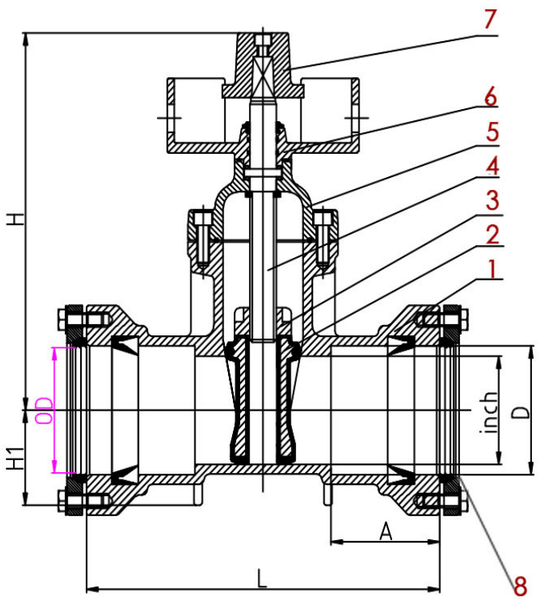
04
Suitable Medium Water and
Neutral Liquid

05
Working Temperature -10℃ to 85℃

06
Operator:Hand wheel,
Operating Nut,Gearbox

MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Ductile Iron
2	Wedge	Ductile Iron & EPDM cover
3	Stem Nut	Brass
4	Stem	SS420
5	Bonnet	Ductile Iron
6	Gland	Ductile Iron
7	Operating Nut	Ductile Iron
8	Grip Ring	Brass



DIMENSIONS(MM)

size	IPS PE pipe OD	L	H	H1	D	A
2"	2.375	10.24	12	2.56	2.46	3.43
2.5"	2.874	10.75	12.4	2.95	2.97	3.54
3"	3.5	12	13.62	3.15	3.62	4.01
4"	4.5	13.7	15.55	3.54	4.67	4.21
6"	6.625	16.85	20.47	4.53	6.81	5.71
8"	8.625	18.5	23.43	6.1	8.78	6.57
10"	10.75	21.26	28.35	7.28	10.9	6.69
12"	12.75	26.46	31.38	8.27	12.91	8.98

Please note dimension may vary at our discretion.

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AWWA C515 NRS RESILIENT SEATED GATE VALVE, FLANGE JOINT

SPECIFICATIONS

01

Design Standard AWWA C515.

02

Non-Rising stem, Resilient Seated

03

Face to Face: ASME B16.10.

04

Flanges Standard: AWWA C110/A21.10,
ASME B16.1 AWWA C515
(Other Flange Types available upon request)

05

Inspection & testing: AWWA C515

06

Fusion Bonded Epoxy Coated Interior and
Exterior to AWWA C550 Standard

07

Working Pressure:250PSI
(200 and 300 PSI available on request)

08

Working Temperature:-20℃ to 100℃
(-4℉ to 212℉)

09

Operator:
Handwheel, 2”Operating Nut, Gearbox

UL/FM approved

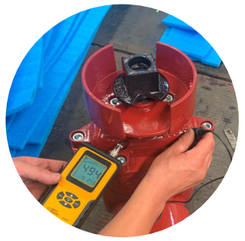




Pressure test
for every one



Traceable
markings



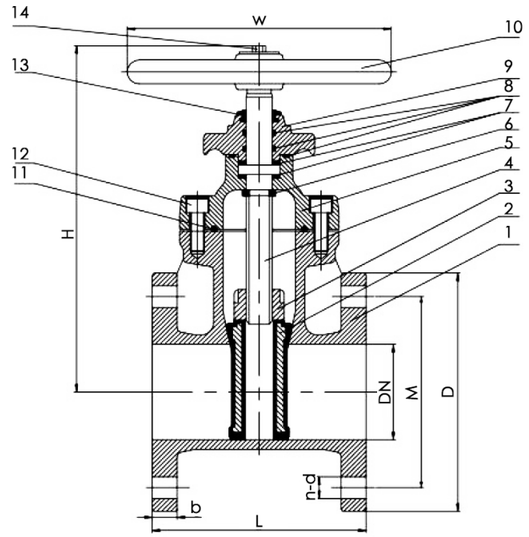
Coating
thickness test



Small torque for
eaiser open&close

MATERIAL LIST

NO.	PART	MATERIAL(ASTM)
1	Body	Ductile Iron ASTM A536
2	Wedge	Ductile Iron EPDM/NBR Encapsulated
3	Wedge Nut	Brass ASTM B124 C37700
4	Stem	Stainless Steel AISI 420
5	Bonnet	Ductile Iron ASTM A536
6	Wedge Nut Gasket	Rubber NBR
7	Washers	Nylon/Brass ASTM B124 C37700
8	O-ring	Rubber NBR
9	Gland	Ductile Iron ASTM A536
10	Handwheel	Ductile Iron ASTM A536
11	Bonnet Gasket	Rubber NBR
12	Bonnet/Gland Bolt	Grand 8 Steel With ZINC Plated
13	Dust Cap	Rubber NBR
14	Handwheel Bolts	Stainless Steel AISI304



DIMENSIONS(MM)

in	L		H		M		D		W		n-d		b	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
2”	178	7	245	9.64	120.5	4.74	152	5.98	180	7.08	4-19	4-0.75	16	0.63
2.5”	190	7.48	258	10.15	139.5	5.49	178	7	180	7.08	4-19	4-0.75	18	0.7
3”	203	7.99	275	10.82	152.5	6	191	7.51	200	7.87	4-19	4-0.75	19.1	0.75
4”	229	9.01	333	13.11	190.5	7.5	229	9	250	9.84	8-19	8-0.75	19.1	0.75
5”	254	10	410	16.14	216	8.5	254	10	280	11.02	8-22	8-0.86	19.1	0.75
6”	267	10.51	453	17.83	241.5	9.5	279	10.98	300	11.81	8-22	8-0.86	19.1	0.75
8”	292	11.49	532	20.94	298.5	11.75	343	13.5	350	13.77	8-22	8-0.86	22.2	0.87
10”	330	12.99	646	25.43	362	14.25	406	15.98	400	15.74	12-25	12-0.98	23.8	0.93
12”	356	14.01	733	28.85	432	17	483	19.01	500	19.68	12-25	12-0.98	25.4	1
14”	381	15	908	35.74	476	18.74	533	20.98	600	23.62	12-29	12-1.14	25.4	1
16”	406	15.98	965	37.99	539.5	21.24	597	23.5	600	23.62	16-29	16-1.14	25.4	1
18”	432	17	1057	41.61	578	22.75	635	25	750	27.55	16-32	16-1.25	28.6	1.12
20”	457	17.99	1190	46.85	635	25	699	27.51	750	27.55	20-32	20-1.25	28.6	1.12
24”	508	20	1363	53.66	749.5	29.5	813	32	750	27.55	20-35	20-1.37	30.1	1.18

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AWWA C515 NRS RESILIENT SEATED GATE VALVE, MECHANICAL JOINT

SPECIFICATIONS

01

Design Standard AWWA C515.

02

Non-Rising stem, Resilient Seated

03

Face to Face: ASME B16.10.

04

MJ*MJ to AWWA C111/A21.11-12
(FL*MJ available upon request)

05

Inspection & testing: AWWA C515

06

Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550 Standard

07

Working Pressure:250PSI
(200 and 300 PSI available on request)

08

Working Temperature:-20℃ to 100℃
(-4℉ to 212℉)

09

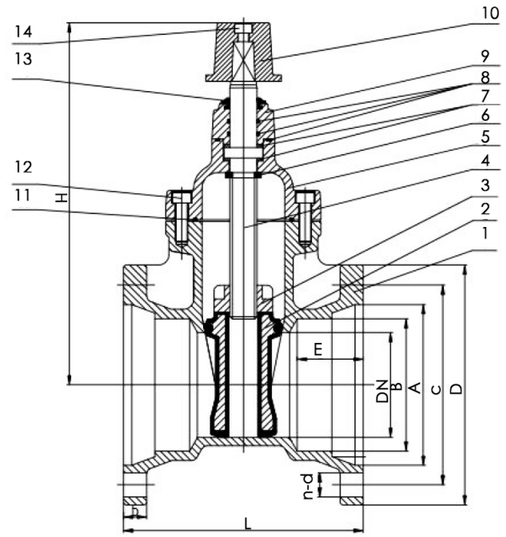
Operator:
Handwheel, 2”Operating Nut, Gearbox

UL/FM approved



MATERIAL SPECIFICATION

NO.	PART	MATERIAL(ASTM)
1	Body	Ductile Iron ASTM A536
2	Wedge	Ductile Iron EPDM/NBR Encapsulated
3	Wedge Nut	Brass ASTM B124 C37700
4	Stem	Stainless Steel AISI 420
5	Bonnet	Ductile Iron ASTM A536
6	Wedge Nut Gasket	Rubber NBR
7	Washers	Nylon/Brass ASTM B124 C37700
8	O-ring	Rubber NBR
9	Gland	Ductile Iron ASTM A536
10	Operating Nut	Ductile Iron ASTM A536
11	Bonnet Gasket	Rubber NBR
12	Bonnet/Gland Bolt	CS With ZINC Plated/SS304
13	Dust Cap	Rubber NBR
14	Top Bolts	CS With ZINC Plated/SS304



DIMENSIONS AWWA C111/A21.11-12 C515-09(b)

inch	L		H		C		D		b	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
2"	210	8.27	262	10.31	120.5	4.74	157.2	6.19	16	0.63
3"	203	7.99	283	11.14	157.2	6.19	195	7.68	19.1	0.75
4"	229	9.02	351	13.8	190.5	7.5	231	9.09	19.1	0.75
6"	267	10.51	453	17.83	241.3	9.5	282	11.1	19.1	0.75
8"	292	11.50	559	22.01	298.5	11.75	340	13.39	22.2	0.87
10"	330	12.99	668	26.3	355.6	14	397	15.63	23.8	0.94
12"	356	14.02	753	29.65	413	16.26	454	17.87	25.4	1.00
14"	381	15.00	918	36.14	476.3	18.75	523	20.59	25.4	1.00
16"	406	15.98	975	38.39	533.4	21	580	22.83	25.4	1.00
18"	432	17.01	1067	42.01	590.6	23.25	638	25.12	25.4	1.00
20"	457	17.99	1199	47.20	647.7	25.5	695	27.36	28.6	1.13
24"	508	20.00	1363	53.66	762	30	810	31.89	30.1	1.19

inch	n-d		A		E		B	
	mm	inch	mm	inch	mm	inch	mm	inch
2"	2-19	2-0.75	90	3.54	63.5	2.5	67.5	2.66
3"	4-19	4-0.75	125.5	4.94	63.5	2.5	103.5	4.07
4"	4-22.3	4-0.88	153	6.02	63.5	2.5	124.5	4.9
6"	6-22.3	6-0.88	206.5	8.13	63.5	2.5	178	7.01
8"	6-22.3	6-0.88	261	10.28	63.5	2.5	232.5	9.15
10"	8-22.3	8-0.88	313.5	12.34	63.5	2.5	284.5	11.2
12"	8-22.3	8-0.88	367	14.45	63.5	2.5	338	13.31
14"	10-22.3	10-0.88	420.5	16.56	88.9	3.5	392.5	15.45
16"	12-22.3	12-0.88	474	18.66	88.9	3.5	445.7	17.55
18"	12-22.3	12-0.88	527	20.75	88.9	3.5	499	19.65
20"	14-22.3	14-0.88	580.5	22.85	88.9	3.5	552.5	21.75
24"	16-22.3	16-0.88	687	27.05	88.9	3.5	659	25.94

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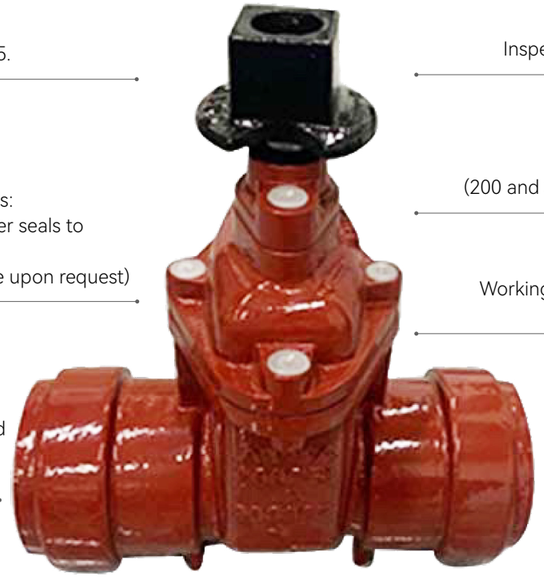
AWWA RESILIENT SEATED GATE VALVE, PUSH-ON ENDS

SPECIFICATIONS

01
Design Standard AWWA C515.

02
Non-Rising stem,
Resilient Seated Push on ends:
Fitted with NBR/EPDM Rubber seals to C111 standard
(Other Flange Types available upon request)

03
Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550 Standard



04
Inspection & testing: AWWA C515

05
Working Pressure:250PSI
(200 and 300 PSI available on request)

06
Working Temperature:-20℃ to 100℃
(-4℉ to 212℉)

07
Operator:Handwheel,
2”Operating Nut,Gearbox

UL/FM approved

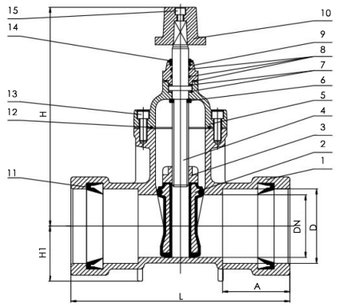
MATERIAL SPECIFICATION

NO.	PART	MATERIAL
1	Body	Ductile Iron ASTM A536
2	Wedge	Ductile Iron EPDM/NBR Encapsulated
3	Wedge Nut	Brass ASTM B124 C37700
4	Stem	Stainless Steel AISI 420
5	Bonnet	Ductile Iron ASTM A536
6	Wedge Nut Gasket	Rubber NBR
7	Washers	Nylon/Brass ASTM B124 C37700
8	O-ring	Rubber NBR

NO.	PART	MATERIAL
9	Gland	Ductile Iron ASTM A536
10	Operating Nut	Ductile Iron ASTM A536
11	Rubber Ring	EPDM/NBR
12	Bonnet Gasket	Rubber NBR
13	Bonnet/Gland Bolt	Grand 8 Steel With ZINC Plated
14	Dust Cap	Rubber NBR
15	Top Bolts	Stainless Steel AISI304

DIMENSIONS(MM)

inch	L		H		H1		D		A	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
2"	260	10.24	305	12	55	2.16	62.5	2.46	88.5	3.48
2.5"	273	10.75	315	12.4	68	2.67	75.7	2.97	90	3.54
3"	305	12	346	13.62	72	2.83	92	3.62	102	4.01
4"	348	13.7	395	15.55	88	3.46	118.5	4.67	107	4.21
6"	428	16.85	520	20.47	123	4.84	173	6.81	140	5.51
8"	470	18.5	595	23.43	150	5.90	223	8.78	155	6.10
10"	540	21.26	720	28.35	185	7.28	277	10.90	170	6.69
12"	672	26.46	797	31.38	210	8.27	328	12.91	230	9.06



AWWA C515 NRS RESILIENT SEATED GATE VALVE THREAD ENDS

SPECIFICATIONS

01
Design Standard AWWA C515.

02
Threaded ends standard: ANSI B1.20.1
(Other Flange Types available upon request)

03
Triple O-Rings stem seal

04
Lifting lugs built into stuffing gland

05
Fusion Bonded Epoxy Coating to AWWA C550 Standard



06
Inspection & testing: AWWA C515

07
Working Pressure: 250PSL

08
Working Temperature:
-20℃ To 100℃(-4℉ to 212℉)

09
Operator: Handwheel,
2"Operating Nut,Gearbox

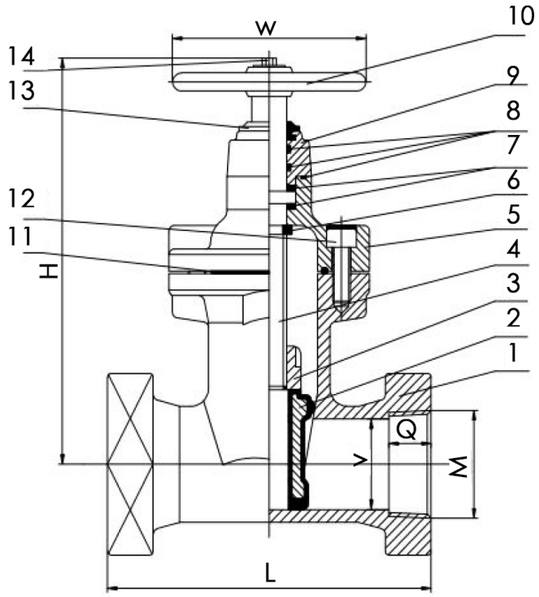
UL/FM approved

MATERIAL SPECIFICATION

NO.	PART	MATERIAL(ASTM)
1	Body	Ductile Iron ASTM A536
2	Wedge	Ductile Iron EPDM/NBR Encapsulated
3	Wedge Nut	Brass ASTM B124 C37700
4	Stem	Stainless Steel AISI 420
5	Bonnet	Ductile Iron ASTM A536
6	Wedge Nut Gasket	Rubber NBR
7	Washers	Nylon/Brass ASTM B124 C37700
8	O-ring	Rubber NBR
9	Gland	Ductile Iron ASTM A536
10	Handwheel	Ductile Iron ASTM A536
11	Bonnet Gasket	Rubber NBR
12	Bonnet/Gland Bolt	Grand 8 Steel With ZINC Plated
13	Dust Cap	Rubber NBR
14	Handwheel Bolts	Stainless Steel AISI304

DIMENSIONS(MM)

inch	L	M(NPT)	H	Q	W	V
1.5	6.5	1.5"	9.05	0.94	6.3	1.57
2"	7.24	2"	9.84	0.79	7.08	1.97
2.5"	7.48	2.5"	10.39	1.14	7.08	2.56
3"	7.99	3"	11.22	1.22	7.87	3.15
4"	9.01	4"	14.17	1.30	9.84	3.94
6"	10.51	6"	17.28	1.51	9.84	5.90



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NRS RESILIENT SEATED GATE VALVE THREAD ENDS

SPECIFICATIONS

01
Design Standard: BS EN 1074-2

02
Thread Standard: ISO 7-1



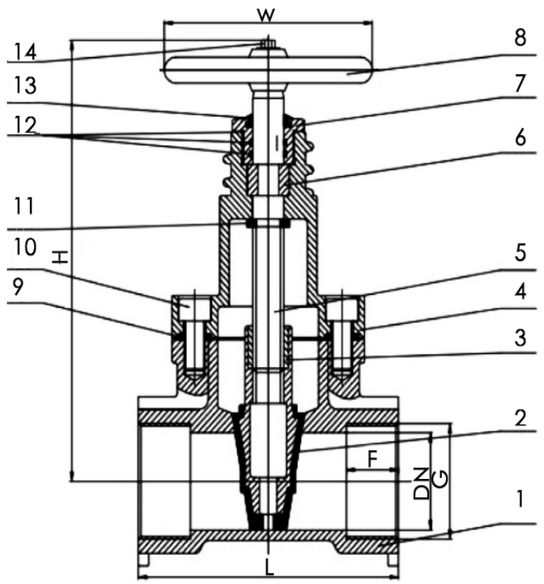
03
Inspection & testing: BS EN 12266-1
(Other Thread Types available upon request)

04
Working Pressure: 16bar

05
Working Temperature: -20℃ To 100℃

MATERIAL LIST

NO.	PART	MATERIAL
1	Body	Ductile Iron
2	Wedge	Ductile Iron & EPDM
3	Stem Nut	Brass
4	Bonnet	Ductile Iron
5	Stem	SS420
6	Thrust Collar	Brass
7	Gland	Brass
8	Handwheel	Ductile Iron
9	Bonnet Gasket	NBR
10	Bonnet /Gasket Bolt	CS With ZINC Plated / SS304
11	Wedge Nut Gasket	NBR/EPDM
12	O-ring	NBR
13	Dust Cap	NBR
14	Handwheel Bolts	SS304



DIMENSIONS(MM)

DN	L	H	G	F	W
20	122	163	0.75"	26	150
25	127	172	1"	26	150
32	127	181	1.25"	26	150
40	154	211	1.5"	27	150
50	154	225	2"	31	150

NRS RESILIENT SEATED GATE VALVE THREAD ANGLE ENDS

SPECIFICATIONS

01
Design Standard: BS EN 1074-2

02
Thread Standard: ISO 7-1



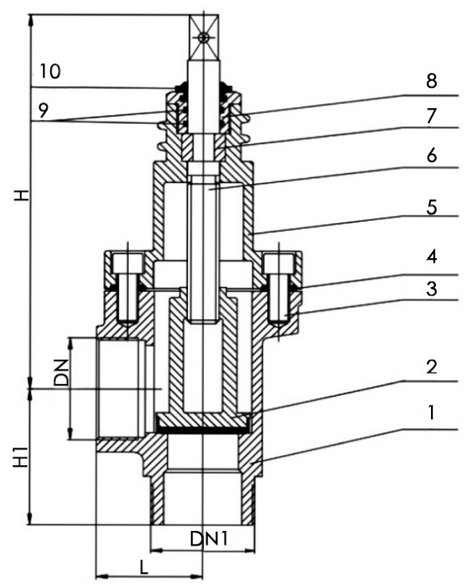
03
Inspection & testing: BS EN 12266-1

04
Working Pressure: 16bar

05
Working Temperature: -20℃ To 100℃

MATERIAL LIST

NO.	PART	MATERIAL
1	Body	Ductile Iron
2	Gate	Brass & EPDM
3	Bonnet Bolt	CS With ZINC Plated/SS304
4	Bonnet Gasket	NBR
5	Bonnet	Ductile Iron
6	Stem	SS420
7	Thrust Collar	Brass
8	Gland	Brass
9	O-ring	NBR
10	Dust Cap	NBR



DIMENSIONS(MM)

DN	H	H1	DN1	L
1"	195	65	1"	47
1"	195	65	1-1/4"	47
1-1/4"	195	65	1-1/4"	60
1-1/2"	228	78	1-1/2"	60
1-1/2"	228	78	2"	60
2"	228	78	2"	60

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SILENT CHECK VALVE FLANGED ENDS PN16

SPECIFICATIONS

01
Design Standard:BS EN12334

02
Flanges Standard: BS EN 1092-2.

03
Inspection & testing: BS EN 12266-1

04
Working Pressure: 16bar

05
Working Temperature: -20℃ To 100℃

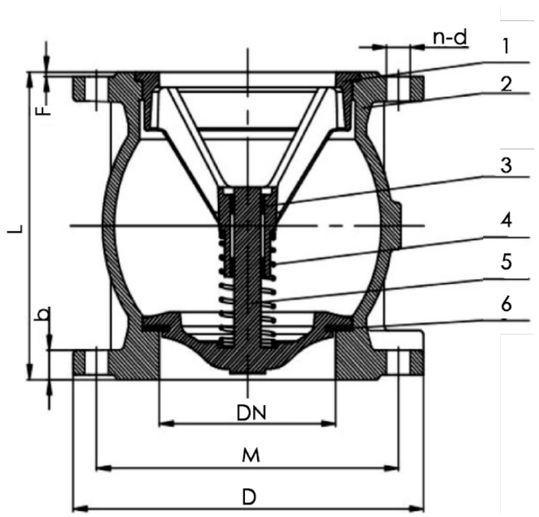


MATERIAL LIST

NO.	PART	MATERIAL
1	Guide	Ductile Iron
2	Body	Ductile Iron
3	Guidng Stem	F4
4	Spring	SS316
5	Disc	Ductile Iron
6	Seal	NBR/EPDM

DIMENSIONS(MM) EN1092-2 PNI6

DN	L	D	M	b	F	n-d
50	100	165	125	19	3	4-19
65	120	185	145	19	3	4-19
80	140	200	160	19	3	8-19
100	170	220	180	19	3	8-19
125	200	250	210	19	3	8-19
150	230	285	240	19	3	8-23
200	301	340	295	20	3	12-23
250	370	405	355	22	3	12-28
300	410	460	410	24.5	4	12-28



BS 750 FIRE HYDRANT

SPECIFICATIONS

01
Design Standard: BS EN1074-6.

02
Flanges Standard: BS EN1092-2 BS10 T/D, T/E.

03
Inspection & testing: BS EN 12266-1

04
Working Pressure: 16bar

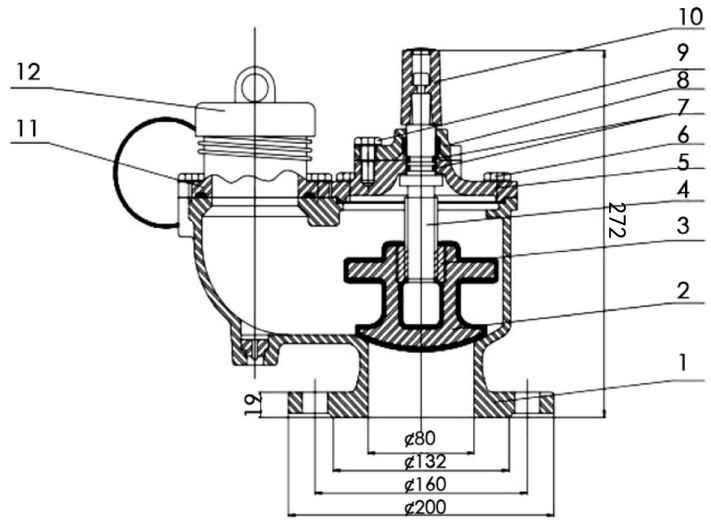
05
Working Temperature: -20℃ To 100℃

06
Operator: Operating Nut

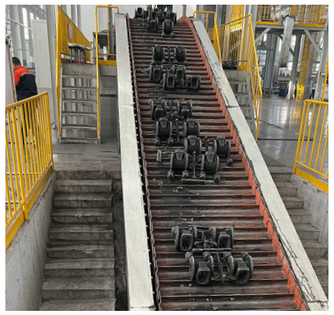


MATERIAL LIST

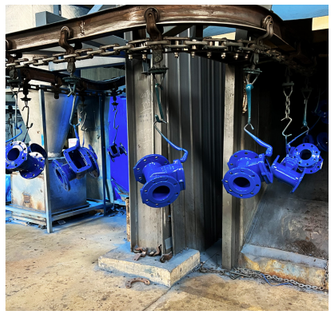
NO.	PART	MATERIAL
1	Body	Ductile Iron
2	Gate	Ductile Iron/EPDM
3	Stem Nut	Brass
4	Stem	SS420
5	Bonnet	Ductile Iron
6	Bolt	Stainless Steel
7	O-ring	NBR
8	Gland	Ductile Iron
9	Bolt	Stainless Steel
10	Cap Top	Ductile Iron
11	Outlet	SS304
12	Cap	Plastic



PRODUCTION







INSPECT






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