

CLASS 125/PN16/JIS 10K

NRS Metal Seated Gate Valve

Fig. 3123



Valve Standard :

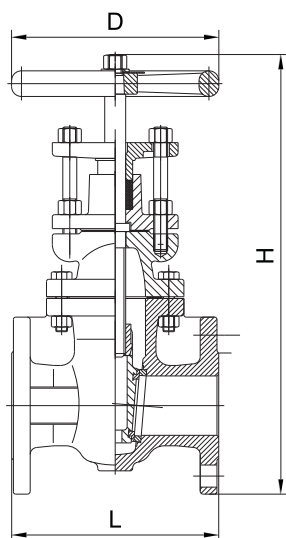
Comply with EN 1171 (BS 5150) & MSS SP-70

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar Seal:17.6bar
Working Temperature	-10°C to 120°C

Material Specification

Part	Material	ASTM
Body	Cast Iron	A126 Class B
Bonnet	Cast Iron	A126 Class B
Disc	Cast Iron	A126 Class B
Seat Ring	Bronze	B62 C83600
Stem	Brass	B16 C36000
	Stainless Steel 420	S42000
Packing	Graphite	Non-Asbestos
Hand	Cast Iron	A126 Class B



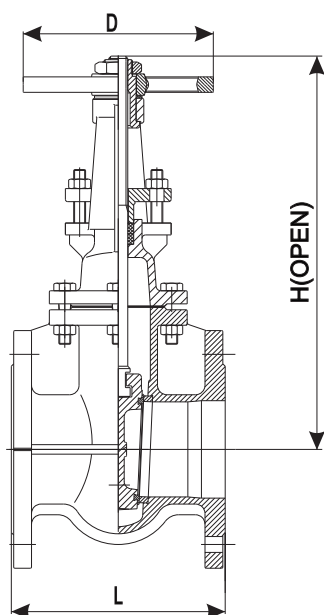
Dimensions

DN	mm inch	50 2	65 2-1/2	80 3	100 4	125 5	150 6	200 8	250 10	300 12	350 14	400 16	450 18	500 20	600 24
L		178	190	203	229	254	267	292	330	356	381	406	432	457	508
H		302	332	335	423	485	545	644	769	860	987	1044	1148	1257	1418
D		178	178	200	254	300	300	348	400	457	560	560	610	610	765

CLASS 125/PN10/PN16/JIS 10K

OS & Y Metal Seated Gate Valve

Fig. 3213



Valve Standard :

Comply with DIN 3352 F4

Pressure Temperature Ratings

Working pressure	10bar/16bar
Testing Pressure	Shell:15bar/24bar Seal:11bar/17.6bar
Working Temperature	-10°C to 120°C

Material Specification

Part	Material	EN Spec.
Body	Cast Iron	EN-JL1040
	Ductile Iron	EN-JS1050
Bonnet	Cast Iron	EN-JL1040
	Ductile Iron	EN-JS1050
Disc	Cast Iron	EN-JL1040
	Ductile Iron	EN-JS1050
Seat Ring	Brass	EN 12165 W603N
Stem	Stainless Steel 420	BS970 420S37
Packing	Graphite	Non-Asbestos
Hand Wheel	Cast Iron	EN-JL1040

Note :

DI Body For PN16

Dimensions

DN	mm inch	40 1-1/2	50 2	65 2-1/2	80 3	100 4	125 5	150 6	200 8	250 10	300 12
L		140	150	170	180	190	200	210	230	250	270
H		295	315	371	424	500	598	711	901	1093	1273
D		160	160	160	160	200	200	250	250	320	320

CLASS 125/PN10/JIS 10K

NRS Metal Seated Gate Valve

Fig. 3129



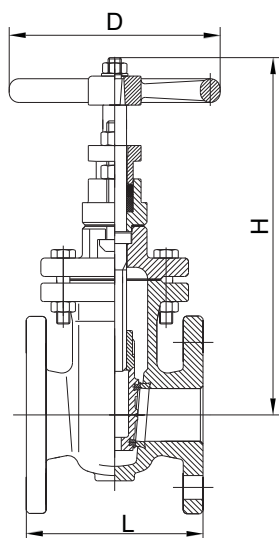
Valve Standard :
Comply with BS 3464

Pressure Temperature Ratings

Working pressure	10bar
Testing Pressure	Shell:15bar Seal:11bar
Working Temperature	-10°C to 120°C

Material Specification

Part	Material	EN Spec.
Body	Cast Iron	EN-JL1040
Bonnet	Cast Iron	EN-JL1040
Disc	Cast Iron	EN-JL1040
Seat Ring	Bronze	EN1982 CC491K
Stem	Brass Stainless Steel 420	EN 12165 W603N BS970 420S37
Packing	Graphite	Non-Asbestos
Hand Wheel	Cast Iron	EN-JL1040



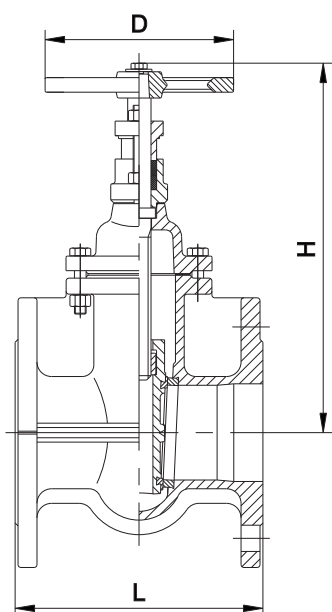
Dimensions

DN	mm inch	40 1-1/2	50 2	65 2-1/2	80 3	100 4	125 5	150 6	200 8	250 10	300 12
L		140	146	159	165	171	190	210	241	273	305
H		270	292	324	360	380	454	490	578	711	767
D		160	160	160	160	200	250	250	250	320	320

CLASS 125/PN10/PN16/JIS 10K

NRS Metal Seated Gate Valve

Fig. 3125



Valve Standard :

Comply with DIN 3352 (F4)

Pressure Temperature Ratings

Working pressure	10bar/16bar
Testing Pressure	Shell: 15bar/24bar Seal: 11bar/17.6bar
Working Temperature	-10°C to 120°C

Material Specification

Part	Material	EN Spec.
Body	Cast Iron	EN-JL1040
	Ductile Iron	EN-JS1050
Bonnet	Cast Iron	EN-JL1040
	Ductile Iron	EN-JS1050
Disc	Cast Iron	EN-JL1040
	Ductile Iron	EN-JS1050
Seat Ring	Brass	EN 12165 W603N
Stem	Brass	EN 12165 W603N
	Stainless Steel 420	BS970 420S37
Packing	Graphite	Non-Asbestos
Hand Wheel	Cast Iron	EN-JL1040

Note :

DI Body For PN16

Dimensions

DN	mm	40	50	65	80	100	125	150	200	250	300
inch		1-1/2	2	2-1/2	3	4	5	6	8	10	12
L		140	150	170	180	190	200	210	230	250	270
H		245	255	277	303	340	387	454	538	629	730
D		130	130	130	150	185	185	195	225	245	285

CLASS 125/PN10/JIS 10K

NRS Metal Seated Gate Valve

Fig. 3126



Valve Standard :

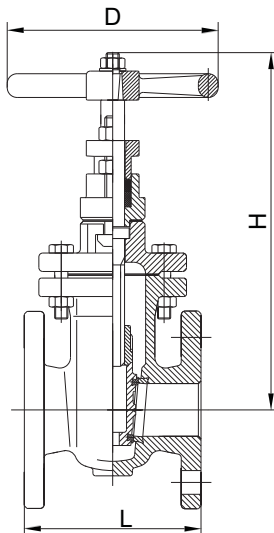
Comply with DIN 3352 (F4)

Pressure Temperature Ratings

Working pressure	10bar
Testing Pressure	Shell:15bar Seal:11bar
Working Temperature	-10°C to 120°C

Material Specification

Part	Material	EN Spec.
Body	Cast Iron	EN-JL1040
Bonnet	Cast Iron	EN-JL1040
Disc	Cast Iron	EN-JL1040
Seat Ring	Brass	EN 12165 W603N
Stem	Stainless Steel 420	17440X20Cr13
Packing	Graphite	Non-Asbestos
Hand Wheel	Cast Iron	EN-JL1040



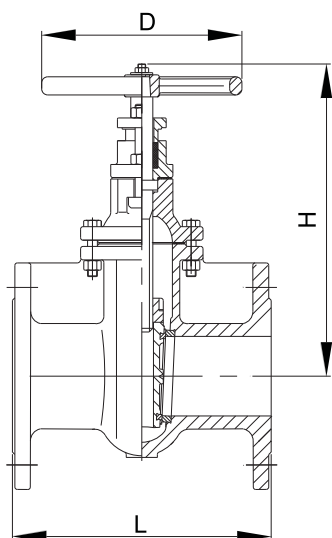
Dimensions

DN	mm inch	40 1-1/2	50 2	65 2-1/2	80 3	100 4	125 5	150 6	200 8	250 10	300 12	350 14	400 16
L		140	150	170	180	190	200	210	230	250	270	290	310
H		271	291	321	360	378	451	489	573	708	764	970	940
D		160	160	160	160	200	250	250	250	320	320	400	400

CLASS 125/PN16/JIS 10K

NRS Metal Seated Gate Valve

Fig. 3127



Valve Standard :

Comply with DIN 3352 (F5)

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar
	Seal:17.6bar
Working Temperature	-10℃ to 120℃

Material Specification

Part	Material	EN Spec.
Body	Cast Iron	EN-JL1040
Bonnet	Cast Iron	EN-JL1040
Disc	Cast Iron	EN-JL1040
Seat Ring	Brass	EN 12165 W603N
Stem	Stainless Steel 420	BS970 420S37
Packing	Graphite	Non-Asbestos
Hand Wheel	Cast Iron	EN-JL1040

Dimensions

DN	mm inch	40 1-1/2	50 2	65 2-1/2	80 3	100 4	125 5	150 6	200 8	250 10	300 12	350 14	400 16
L		240	250	270	280	300	325	350	400	450	500	550	600
H		271	291	321	360	378	451	489	573	708	764	970	940
D		160	160	160	160	200	250	250	250	320	320	400	400

PN16

NRS Metal Seated Gate Valve(Heavy pattern, Vertical)

Fig. 3141



Valve Standard :

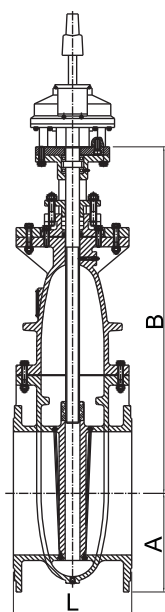
Comply with BS 5163/BS 5150

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar
	Seal:17.6bar
Working Temperature	-10°C to 120°C

Material Specification

Part	Material	EN Spec.
Body	Ductile Iron	EN-JS1050
Bonnet	Ductile Iron	EN-JS1050
Disc	Ductile Iron	EN-JS1050
Body Seat Ring	Stainless Steel 316	BS970 316 C 16
	Copper Alloy	EN 1982 CC 333G
Gate Seat Ring	Copper Alloy	EN 1982 CC 333G
		EN 1982 CC 491K
Stem	Stainless Steel 431	BS970 431 S 29
	Stainless Steel 316	BS970 316 S 16
Packing	Buna-N F4	Non-Asbestos
Cap Top	Cast Iron	EN-JL1040



Dimensions

DN	mm	300	400	450	500	600	700	800	900	1000	1200	1400
inch		12	16	18	20	24	28	32	36	40	48	56
L		356	406	432	457	508	610	660	711	811	950	1200
A		265	325	360	381	463	520	575	650	700	845	990
B		631	1158	1281	1548	1720	1920	2075	2240	2455	2800	3080

PN16

NRS Metal Seated Gate Valve(Heavy Pattern, Horizontal)

Fig. 3143

Valve Standard :

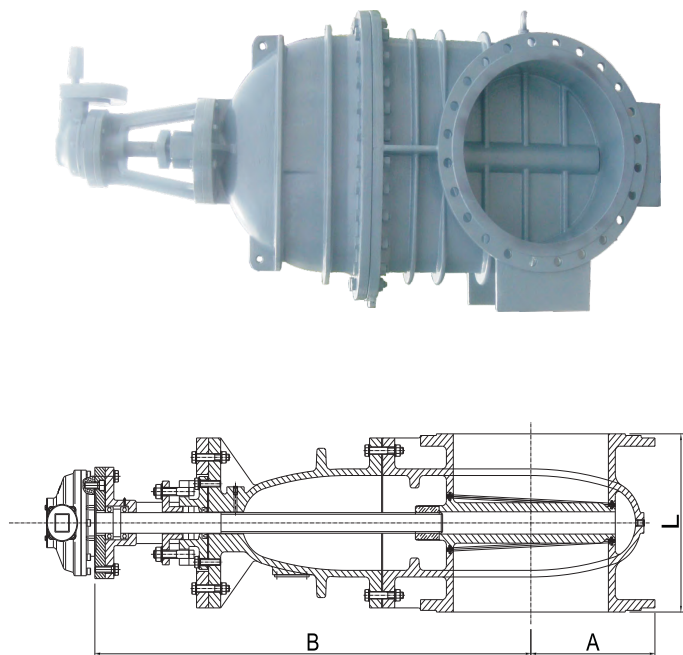
Comply with BS 5163/BS 5150

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar Seal:17.6bar
Working Temperature	-10°C to 120°C

Material Specification

Part	Material	EN Spec.
Body	Ductile Iron	EN-JS1050
Bonnet	Ductile Iron	EN-JS1050
Disc	Ductile Iron	EN-JS1050
Body Seat Ring	Stainless Steel 316	BS970 316 C 16
	Copper Alloy	EN 1982 CC 333G
Gate Seat Ring	Copper Alloy	EN 1982 CC 333G
		EN 1982 CC 491K
Stem	Stainless Steel 431	BS970 431 S 29
	Stainless Steel 316	BS970 316 S 16
Packing	Buna-N F4	Non-Asbestos
Cap Top	Cast Iron	EN-JL1040



Dimensions

DN	mm	300	400	450	500	600	700	800	900	1000	1200	1400
	inch	12	16	18	20	24	28	32	36	40	48	56
L		356	406	432	457	508	610	660	711	811	950	1200
A		265	325	360	381	463	520	575	650	700	845	990
B		631	1158	1281	1548	1720	1920	2075	2240	2455	2800	3080

CLASS125

AWWA C509 NRS Resilient Seat Gate Valve

Fig. 3226



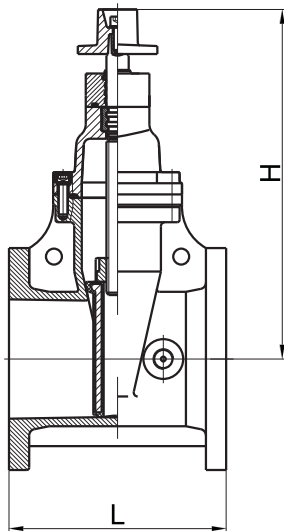
Valve Standard :
Comply with AWWA C509

Pressure Temperature Ratings

Working pressure	200psi
Testing Pressure	Shell:300psi Seal:220psi
Working Temperature	-4°F to 230°F EPDM 14°F to 176°F NBR

Material Specification

Part	Material	ASTM
Body	Ductile Iron	A536 Gr. 65-45-12
Bonnet	Ductile Iron	A536 Gr. 65-45-12
Disc	EPDM Coated DI	A536 Gr. 65-45-12
Stem	Stainless Steel	AISI 420
O-Ring	EPDM / NBR	Commercial
Wrench Nut	Ductile Iron	A536 Gr. 65-45-12



Dimensions

DN	inch	2	2-1/2	3	4	5	6	8	10	12
L		7.0	7.5	8.0	9.0	10.0	10.5	11.5	13.0	14.0
H		10.8	11.7	12.7	14.1	16.3	17.6	21.0	24.3	27.8

PN16

OS&Y Resilient Seat Gate Valve

Fig. 3233



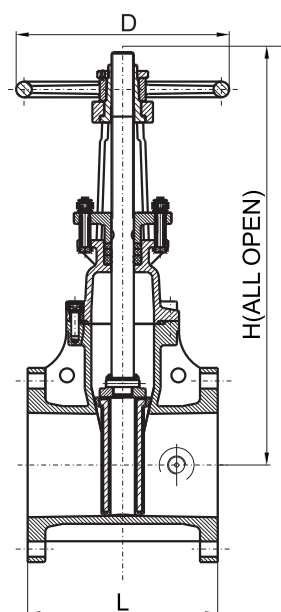
Valve Standard :
Comply with BS5163

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar
	Seal:17.6bar
Working Temperature	-20°C to 110°C EPDM
	-10°C to 80°C NBR

Material Specification

Part	Material	EN Spec.
Body	Ductile Iron	EN-JS1050
Bonnet	Ductile Iron	EN-JS1050
Disc	EPDM Coated DI	EN-JS1050
Stem	Stainless Stee 420	BS970 420S37
	Stainless Stee 431	BS970 431S29
O-Ring	EPDM / NBR	Commercial
Wrench Nut	Ductile Iron	EN-JS1050
Hand Wheel	Ductile Iron	EN-JS1050



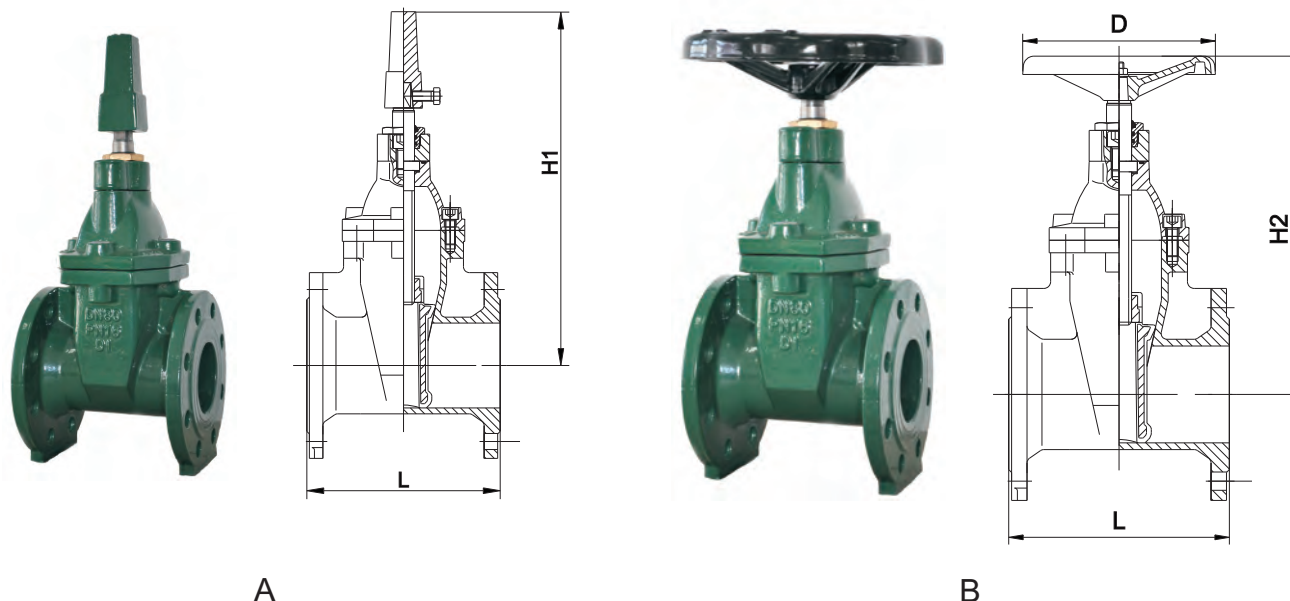
Dimensions

DN	inch	2	2-1/2	3	4	5	6	8	10	12	14	16
L		178	190	203	229	254	267	292	330	356	381	406
H		362	402	483	534	661	727	830	1112	1291	1164	1284
D		180	180	200	200	250	250	320	380	380	450	450

PN16

NRS Resilient Seat Gate Valve

Fig. 3243



Material Specification

Part	Material	EN Spec.
Body	Ductile Iron	EN-JS1050
Bonnet	Ductile Iron	EN-JS1050
Disc	EPDM Coated DI	EN-JS1050
Stem	Stainless Stee 420	BS970 420S37
	Stainless Stee 431	BS970 431S29
O-Ring	EPDM/NBR	Commercial
Wrench Nut	Ductile Iron	EN-JS1050
Hand Wheel	Ductile Iron	EN-JS1050

Valve Standard :

Comply with BS 5163 Type A&B

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar Seal:17.6bar
Working Temperature	-20°C to 110°C EPDM -10°C to 80°C NBR

Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	inch	2	2-1/2	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
H1		291	318	355	381	445	485	572	656	773	947	1022	1092	1171	1313
H2		210	237	274	300	364	404	497	590	667	882	956	1027	1106	1258
D		160	200	200	200	250	250	320	370	370	450	450	640	640	640

PN16

NRS Resilient Seat Gate Valve

Fig. 3246



Valve Standard :

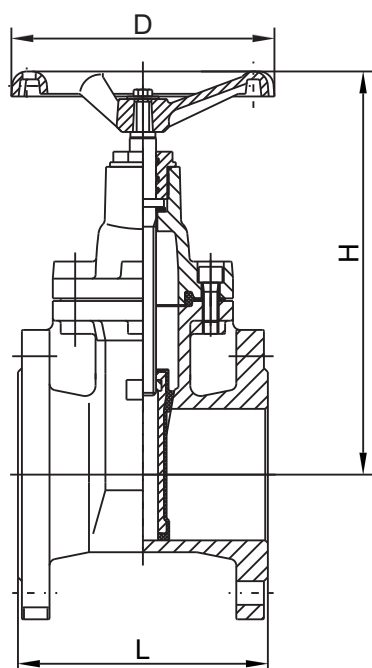
Comply with DIN 3352 (F4)

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar
	Seal:17.6bar
Working Temperature	-20°C to 110°C EPDM
	-10°C to 80°C NBR

Material Specification

Part	Material	EN Spec.
Body	Cast Iron	EN-JL1040
	Ductile Iron	EN-JS1050
Bonnet	Cast Iron	EN-JL1040
	Ductile Iron	EN-JS1050
Disc	EPDM Coated DI	EN-JS1050
Stem	Stainless Steel	BS970 420S37
Gasket	NBR	Commercial
Hand Wheel	Ductile Iron	EN-JS1050



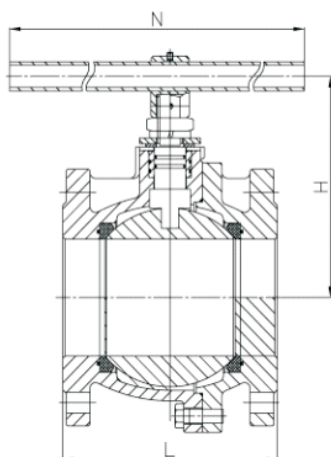
Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
L		150	170	180	190	200	210	230	250	270	290	310	330	350	390
H		195	222	251	282	340	379	461	559	639	762	836	957	1036	1188
D		160	200	200	200	250	250	320	370	370	450	450	640	640	640

CLASS 125 /PN 16 /JIS 10K

Cast Iron Ball Valve

Fig. 4102



Valve Standard :

Comply with MSS SP-72

Face-to-face Dimension Conforms to

BS EN558-1 Series 14 (DIN 3202 F4) for DN50-DN100

BS EN558-1 Series 15 (DIN 3202 F5) for DN125-DN200

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar Seal:17.6bar
Working Temperature	-10°C to 120°C

Material Specification

Part	Material	ASTM Spec.
Body	Cast Iron	EN-JL 1040
Bonnet	Cast Iron	EN-JL 1040
Ball	Stainless Steel 304	BS970 304S15
Seat	PTFE	Commercial
Shaft	Stainless Steel 420	BS970 420S37
Handle	Carbon Steel	Mild Steel

Dimensions

DN	mm inch	50 2	65 2-1/2	80 3	100 4	125 5	150 6	200 8
L		150	170	180	190	325	350	400
H		115	130	140	155	195	240	325
N		220	284	284	500	600	800	1000

CLASS 125/PN 16/JIS 10K

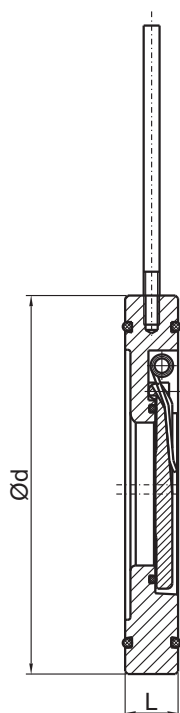
Wafer Type Single Door Check Valve

Fig. 5315



Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar Seal:17.6bar
Working Temperature	-20°C to 110°C EPDM -10°C to 80°C NBR
Suitable Media	Water,Oil&Gas



Material Specification

Part	Material	ASTM Spec.
Body	Carbon Steel	A216 WCB
Disc	Ductile Iron Carbon Steel	A536 65-45-12 A216 WCB
Stem	Stainless Steel 316	S31600
Seat-Ring	EPDM / NBR	Commercial
Spring	Stainless Steel 316 Stainless Steel 304	S31600 S30400

Dimensions

DN	mm	32	40	50	65	80	100	125	150	200	250	300
	inch	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12
L		14	14	18	20	20	20	22	22	22	26	32
Ød		20	22	32	40	54	70	92	112	154	192	227

CLASS 125/CLASS250/
PN 16/PN25/JIS 10K/JIS16K

Wafer Type Double Door Check Valve

Fig. 5306 (DIN3202)
5307 (API 594)

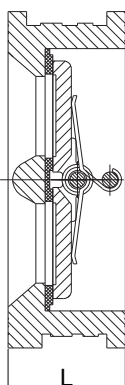


Valve Standard :

Comply with DIN 3202/API 594

Pressure Temperature Ratings

Working pressure	16bar/25bar
Testing Pressure	Shell:24bar/37.5bar Seal:17.6bar/27.5bar
Working Temperature	-20℃ to 110℃ EPDM -10℃ to 80℃ NBR
Suitable Media	Water,Oil&Gas



Material Specification

Part	Material	ASTM Spec.
Body	Cast Iron	A126 Class B
	Ductile Iron	A536 65-45-12
	Stainless Steel 304	A351 CF8
	Stainless Steel 316	A351 CF8M
	Carbon Steel	A216 WCB
Disc	Ductile Iron	A536 65-45-12
	Aluminum Bronze	B584 C95400
	Stainless Steel 304	A351 CF8
	Stainless Steel 316	A351 CF8M
Stem	Stainless Steel 316	S31600
Seat-Ring	EPDM / NBR	Commercial
Spring	Stainless Steel 316	S31600
	Stainless Steel 304	S30400

Dimensions

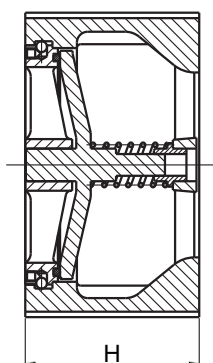
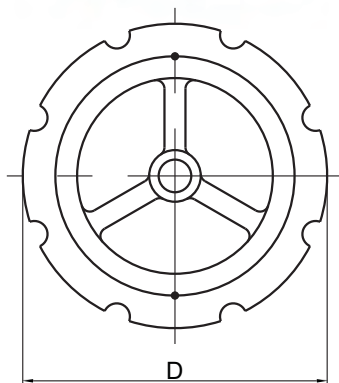
DN	mm	40	50	65	80	100	125	150	200	250
	inch	1-1/2	2	2-1/2	3	4	5	6	8	10
L (DIN3202)		43	43	46	64	64	70	76	89	114
L (API594)		-	54	60	67	67	83	95	127	140

DN	mm	300	350	400	450	500	600	700	800	900
	inch	12	14	16	18	20	24	28	32	36
L (DIN3202)		114	127	140	152	152	178	229	241	241
L (API594)		181	184	191	203	213	222	305	305	368

CLASS 125/CLASS250/
PN 16/PN25/JIS 10K/JIS16K

Wafer Type Silent Check Valve

Fig. 5312



Pressure Temperature Ratings

Working pressure	16bar/25bar
Testing Pressure	Shell:24bar/37.5bar
	Seal:17.6bar/27.5bar
Working Temperature	-20°C to 110°C EPDM
	-10°C to 80°C NBR
Suitable Media	Water,Oil&Gas

Material Specification

Part	Material	ASTM Spec.
Body	Cast Iron	A126 Class B
	Ductile Iron	A536 65-45-12
Disc	Stainless Steel 304	A351 CF8
	Bronze	B62 C83600
Seat	Stainless Steel 304	A351 CF8
	Bronze	B62 C83600
Seat Ring	EPDM / NBR	Commercial
Bushing	Bronze	B62 C83600
Spring	Stainless Steel 304	S30400

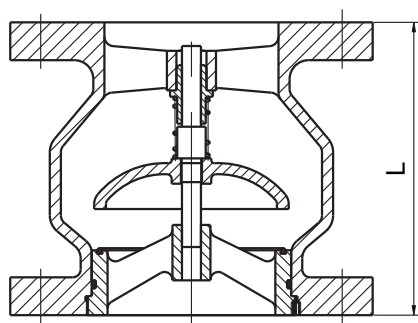
Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350
inch		2	2-1/2	3	4	5	6	8	10	12	14
D		108	127	150	167	213	248	340	410	415	478
H		67	73	80	102	118	140	165	210	286	350

CLASS 125/CLASS250/
PN 16/PN25/JIS 10K/JIS16K

Globe Type Silent Check Valve

Fig. 5104



Pressure Temperature Ratings

Working pressure	16bar/25bar
Testing Pressure	Shell:24bar/37.5bar
	Seal:17.6bar/27.5bar
Working Temperature	-20°C to 110°C EPDM
	-10°C to 80°C NBR
Suitable Media	Water,Oil&Gas

Material Specification

Part	Material	ASTM Spec.
Body	Cast Iron	A126 Class B
	Ductile Iron	A536 65-45-12
Disc	Stainless Steel 304	A351 CF8
	Bronze	B62 C83600
Seat	Stainless Steel 304	A351 CF8
	Bronze	B62 C83600
Seat Ring	EPDM / NBR	Commercial
Bushing	Bronze	B62 C83600
Spring	Stainless Steel 304	S30400

Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
L		133	140	152	185	216	229	257	393	362	400	448	476	524	610

PN 16 / CLASS 125 / CLASS 250

Flange Type Swing Check Valve-BS/MSS Metal Seated

Fig. 5101(PN16/Class 125)
5102(Class 250)

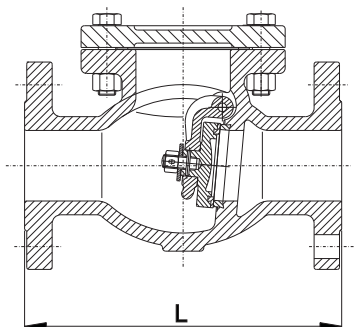


Valve Standard :

Comply with EN 12334(BS 5153) & MSS SP-71

Pressure Temperature Ratings

Working pressure	16bar/125Lb/250Lb
Testing Pressure	Shell:24bar/51.7
	Seal:17.6bar/34.5
Working Temperature	-10°C to 120°C
Suitable Media	Water,Oil&Gas



Material Specification

Part	Material	ASTM Spec.
Body	Cast Iron	A126 Class B
Disc	Cast Iron	A126 Class B
Seat Ring	Bronze	B62 C83600
Disc Ring	Bronze	B62 C83600

Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
inch		2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
L(PN16/Class125)		203	216	241	292	330	356	495	622	699	787	914	914	1016	1219
L(Class250)		267	292	318	356	400	444	533	622	711	-	-	-	-	-

PN 16

Flange Type Swing Check Valve-DIN Standard

Fig. 5201(Metal Seated)
5202(Resilient Seated)

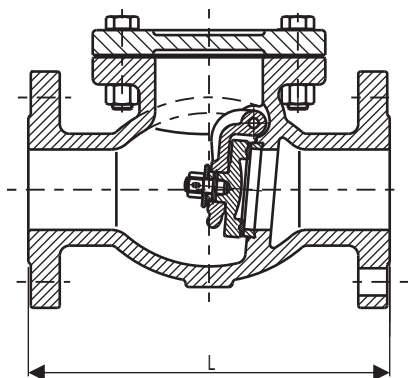


Valve Standard :

Comply with EN DIN3202 F6

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar
	Seal:17.6bar
Working Temperature	-10°C to 120°C
Suitable Media	Water,Oil&Gas



Material Specification

Part	Material	Spec.
Body	Cast Iron	EN-GJL-250
Disc	Cast Iron	EN-GJL-250
Seat Ring	Bronze	Brass
Disc Ring(5201)	Bronze	Brass
Disc Ring(5202)	EPDM	

Dimensions

DN	mm	40	50	65	80	100	125	150	200	250	300
	inch	1-1/2	2	2-1/2	3	4	5	6	8	10	12
L		180	200	240	260	300	350	400	500	600	700

CLASS 125 /PN 16 /JIS 10K

Flange Type Lifting Check Valve

Fig. 5203

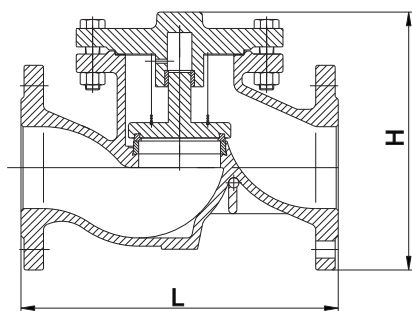


Valve Standard :

Face-to-face Dimension Conforms to
DIN 3202 F1 series

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar Seal:17.6bar
Working Temperature	-10°C to 120°C
Suitable Media	Water,Oil&Gas



Material Specification

Part	Material	EN Spec.
Body	Cast Iron	EN-JL 1040
Bonnet	Cast Iron	EN-JL 1040
Disc/Stem	Stainless Steel 420	BS970 420S37
	Cast Iron	EN-JL1040
Disc Ring	Stainless Steel 420	BS970 420S37
Seat Ring	Stainless Steel 420	BS970 420S37
Gasket	Graphite	Non-Asbestos
Spring	Stainless Steel 304	BS970 304S15
Bushing	Bronze	EN1982 CC491K

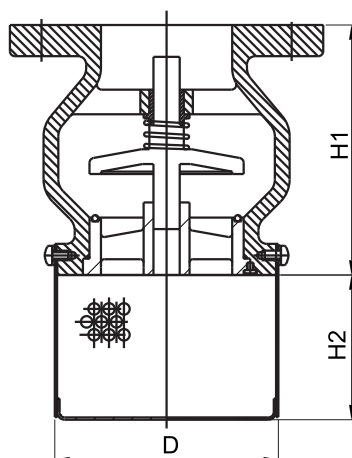
Dimensions

DN	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300
	inch	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12
L		130	150	160	180	200	230	290	310	350	400	480	600	730	850
H		64	68	81	95	100	113	128	148	162	190	220	260	318	378

CLASS 125/ CLASS 250/
PN16/PN25/JIS 10K/JIS 16K

Foot Valve

Fig. 1120



Pressure Temperature Ratings

Working pressure	16bar/25bar
Testing Pressure	Shell:24bar/37.5bar
	Seal:17.6bar/27.5bar
Working Temperature	-20°C to 110°C EPDM
	-10°C to 80°C NBR
Suitable Media	Water,Oil&Gas

Material Specification

Part	Material	ASTM Spec.
Body	Cast Iron	A126 Class B
	Ductile Iron	A536 65-45-12
Disc	Stainless Steel 304	A351 CF8
	Bronze	B62 C83600
Seat	Stainless Steel 304	A351 CF8
	Bronze	B62 C83600
Seat Ring	EPDM / NBR	Commercial
Bushing	Bronze	B62 C83600
Spring	Stainless Steel 304	S30400
Screen	Stainless Steel 304	S30400

Note :

DI Body For PN16&Class 250

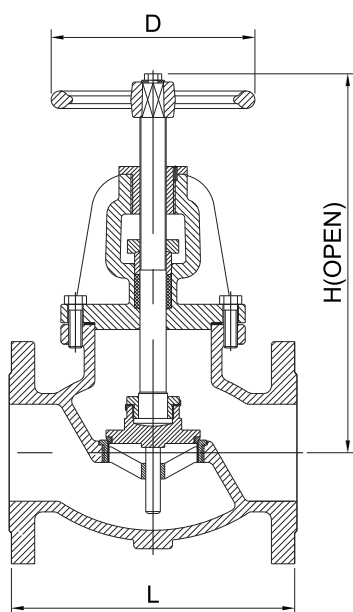
Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
H1		133	140	152	185	216	229	257	393	362	400	448	476	524	610
H2		68	93	108	138	163	189	208	225	245	270	290	315	340	365
D		114	130	144	177	203	237	290	330	383	470	520	570	630	740

CLASS 125 /PN16 /JIS 10K

OS&Y Globe Valve

Fig. 6123



Valve Standard :

Comply with BS EN 13789 (BS 5152) /MSS SP-85

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar Seal:17.6bar
Working Temperature	-10°C to 120°C
Suitable Media	Water,Oil&Gas

Material Specification

Part	Material	ASTM Spec.
Body	Cast Iron	A126 Class B
Bonnet	Cast Iron	A126 Class B
Disc	Bronze	B62 C83600
Seat Ring	Bronze	B62 C83600
Stem	Brass	B16 C36000
	Stainless Steel 420	S42000
Packing	Graphite	Non-Asbestos
Hand Wheel	Cast Iron	A126 Class B

Dimensions

DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2-1/2	3	4	5	6	8	10	12
L		203	216	241	292	330	356	495	622	699
H (open)		295	336	345	389	425	511	580	720	859
D		190	190	190	305	305	305	455	405	455

CLASS 125 / PN16 / JIS 10K

OS&Y Globe Valve

Fig. 6125



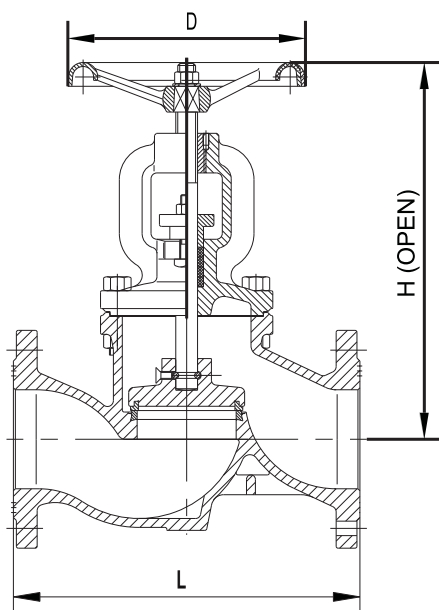
Valve Standard :
Comply with DIN 3356

Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar Seal:17.6bar
Working Temperature	-10°C to 120°C
Suitable Media	Water,Oil&Gas

Material Specification

Part	Material	EN Spec.
Body	Cast Iron	EN-JL 1040
Bonnet	Cast Iron	EN-JL 1040
Disc	Stainless Steel 420 (15-50mm) Cast Iron (65-300mm)	BS970 420S37 EN-JL 1040
Disc Ring	Stainless Steel 420	BS970 420S37
Seat Ring	Stainless Steel 420	BS970 420S37
Stem	Stainless Steel 420	BS970 420S37
Packing	Graphite	Non-Asbestos
Hand Wheel	Cast Iron	EN-JL 1040



Dimensions

DN	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300
	inch	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12
L		130	150	160	180	200	230	290	310	350	400	480	600	730	850
H (open)		183	191	216	255	277	304	335	380	426	480	555	660	749	965
D		100	100	120	120	140	140	200	200	240	280	315	360	400	400

CLASS 125/ CLASS 250/
PN16/PN25/JIS 10K/JIS 16K

Y-Type Strainer

Fig. 7101

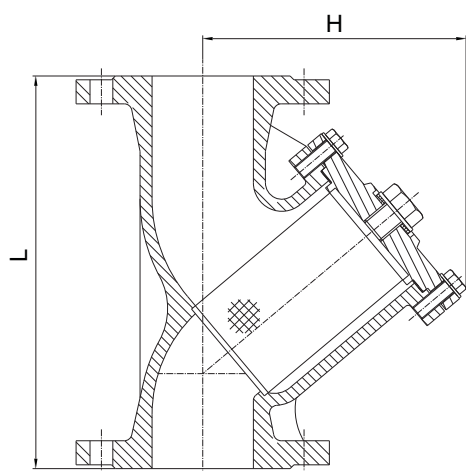


Material Specification

Part	Material	ASTM Spec.
Body	Cast Iron	A126 Class B
	Ductile Iron	A536 65-45-12
Cover	Cast Iron	A126 Class B
	Ductile Iron	A536 65-45-12
Screen	Stainless Steel 304 S30400	
Blow-Off Plug	Carbon Steel	

Working pressure:
16bar/25bar

Note:
CI Body For PN16&Class 125
DI Body For PN25&Class 250



Standard Screen

Size (mm)	Hole Dia. (mm)	Mesh
50~150	1.5	104
200~350	2.5	26
400~600	3.5	22

Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650
	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	26
L		230	290	310	350	400	480	600	730	850	980	1100	1200	1250	1450	1550
H		160	180	215	235	275	305	390	540	680	740	845	838	908	1078	1100

CLASS 125/ CLASS 250/
PN16/PN25/JIS 10K/JIS 16K

Basket Type Strainer

Fig. 7105



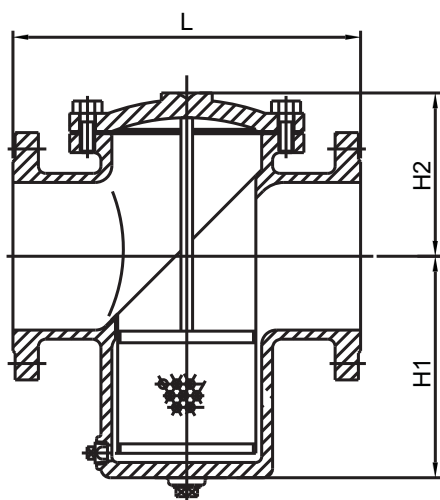
Material Specification

Part	Material	ASTM Spec.
Body	Ductile Iron	A536 65-45-12
	Cast Iron	A126 Class B
Cover	Ductile Iron	A536 65-45-12
	Cast Iron	A126 Class B
Screen	Stainless Steel 304	AISI 304
Blow-Off Plug	Carbon Steel	
Gasket	Graphite / Teflon	Commercial

Working pressure:
16bar/25bar

Note:

CI Body For PN16 & Class 125
DI Body For PN25 & Class 250



Standard Screen

Size (mm)	Hole Dia. (mm)	Mesh
50~80	1.5	104
100~400	3.0	40
450~600	5.0	12

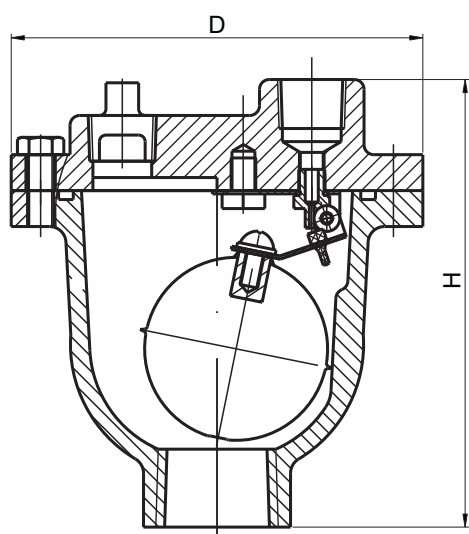
Dimensions

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
inch		2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
L		207	210	251	292	334	378	475	511	680	769	842	842	842	1054
H1		135	155	190	205	219	235	295	335	405	585	590	590	600	1175
H2		90	95	105	117	146	165	215	325	355	345	390	420	510	515

CLASS 125 /PN16 /JIS 10K

Screwed Air Vent

Fig. 9701



Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar
	Seal:17.6bar
Working Temperature	-10°C to 100°C

Material Specification

Part	Material	ASTM Spec.
Body	Cast Iron	A126 Class B
	Ductile Iron	A536 65-45-12
Cover	Cast Iron	A126 Class B
	Ductile Iron	A536 65-45-12
Level	Stainless Steel 304	S30400
Seat Ring	Stainless Steel 304	S30400
Float	Stainless Steel 304	S30400
Float Arm	Stainless Steel 304	S30400
Orifice Button	Viton	Commercial

Dimensions

DN		Inlet	Outlet	Orifice	D	H
mm	inch					
15	1/2	15	15	1.6	125	137
20	3/4	20	15	1.6	125	137
25	1	25	15	1.6	125	137

CLASS 125 / PN16 / JIS 10K

Flanged Orifice Air Valve

Fig. 9101

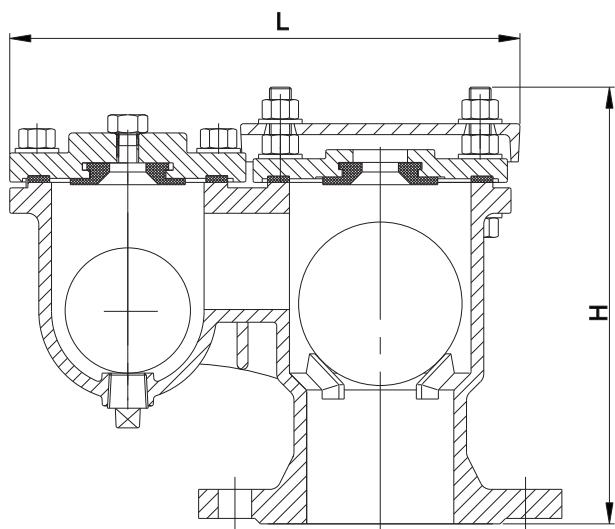


Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar
	Seal:17.6bar
Working Temperature	-10°C to 100°C

Material Specification

Part	Material	EN Spec.
Body	Ductile Iron	EN-JS1050
Orifice Cover	Ductile Iron	EN-JS1050
Air Release Nipple	Brass	EN 12165 CW603N
Screw Plug	Brass	EN 12165 CW603N
Float Ball	ABS (ISO2580)	Commercial
Ball Seal Orifice	EPDM	Commercial



Dimensions

DN	mm	25	40	50	65	80	100	125	150	200	250
inch		1	1-1/2	2	2-1/2	3	4	5	6	8	10
L		147	224	273	273	283	302	353	353	433	491
H		185	187	214	214	244	270	323	323	401	450

CLASS 125 /PN16 /JIS 10K

Flanged Double Orifice Air Valve

Fig. 9201

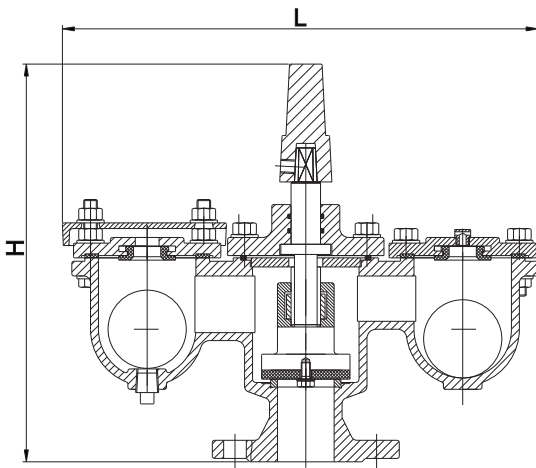


Pressure Temperature Ratings

Working pressure	16bar
Testing Pressure	Shell:24bar Seal:17.6bar
Working Temperature	-10°C to 100°C

Material Specification

Part	Material	EN Spec.
Body	Ductile Iron	EN-JS1050
Orifice Cover	Ductile Iron	EN-JS1050
Air Release Nipple	Brass	EN 12165 CW603N
Screw Plug	Brass	EN 12165 CW603N
Float Ball	ABS (ISO2580)	Commercial
Ball Seal Orifice	EPDM	Commercial

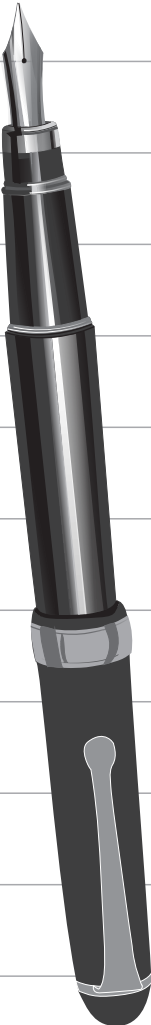


Dimensions

DN	mm inch	50 2	80 3	100 4	150 6	200 8
L		418	454	492	595	698
H		351	375	419	440	475

AGENDA

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