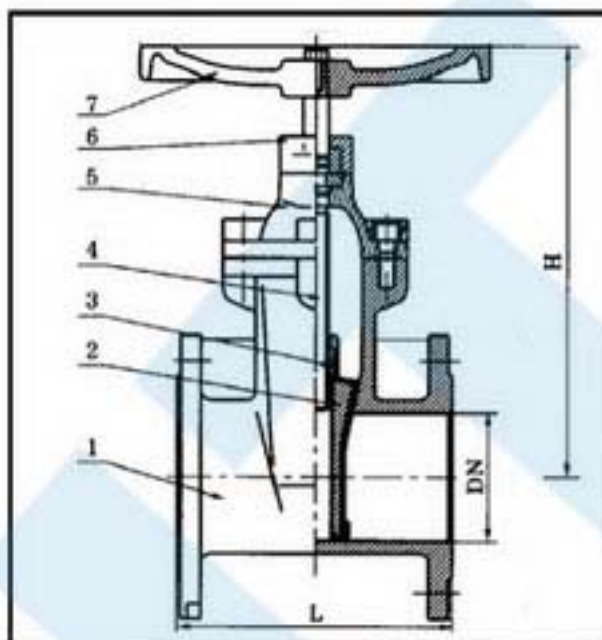


Cast iron/Ductile iron Resilient seated gate valve BS5163 TYPE A



Parts

No.	Parts name	Material	Test		
			Normal pressure	PN10	PN16
1	Body	Cast iron or Ductile iron	Shell pressure	15bars	24bars
2	Wedge	Ductile iron with EPDM	Seat pressure	11bars	17.6bars
3	Stem Nut	Copper to BS1400			
4	Stem	Stainless steel to BS970 Part I			
5	Bonnet	Cast iron or Ductile iron			
6	Gland	Cast iron or Ductile iron			
7	Handwheel	Cast iron or Ductile iron			

Design

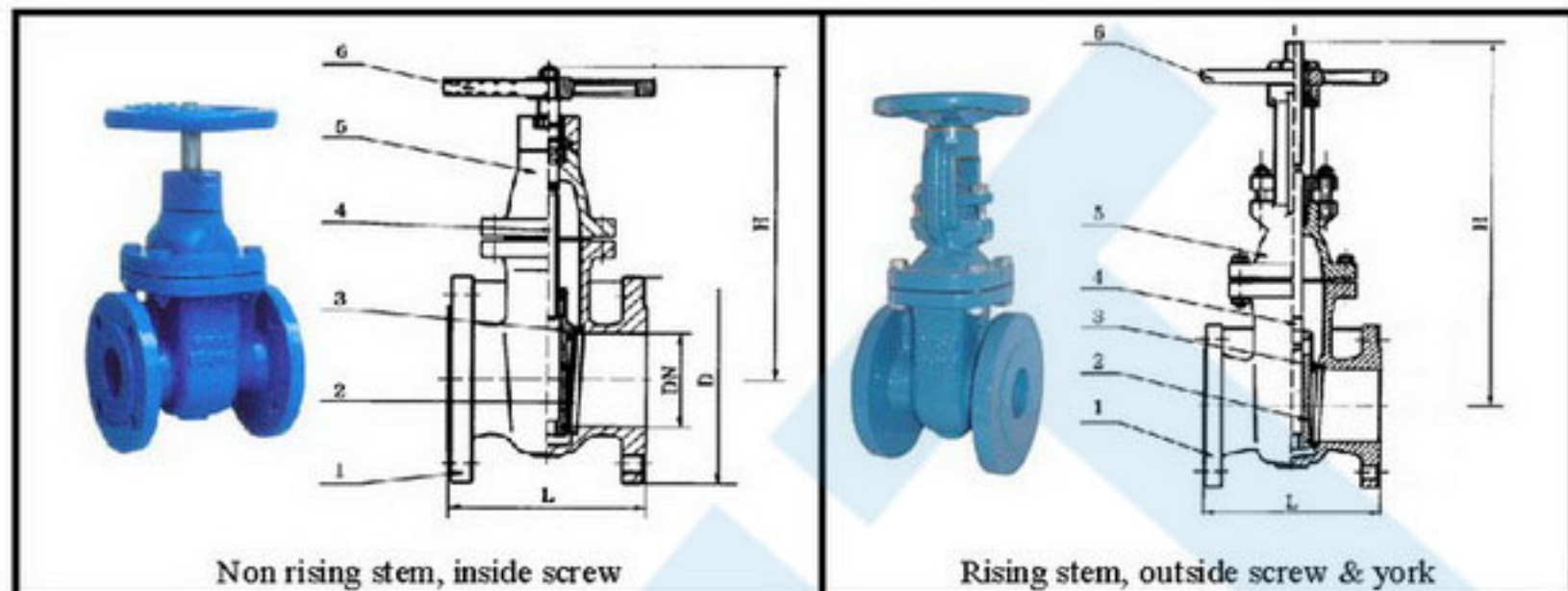
1	Design according to BS5163:1994, TYPE A
2	Flange drilled according to BS4504.
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	L	H	Dimention of Flange				Unit weight (Kgs)
			Dia. of flange	Nos. of hole	Dia. of hole	P.C.D.	
			PN10 / PN16	PN10 / PN16	PN10 / PN16	PN10 / PN16	
DN50	178	280	165	4	18	125	18
DN65	190	320	185	4	18	145	20
DN80	203	335	200	8	18	160	22
DN100	229	350	220	8	18	180	31
DN125	254	450	250	8	18	210	47
DN150	267	500	285	8	22	240	55
DN200	292	600	340	8 / 12	22	295	78
DN250	330	700	395 / 405	12	22 / 26	350 / 355	135
DN300	356	800	445 / 460	12	22 / 26	400 / 410	182
DN350	381	870	505 / 520	16	22 / 26	460 / 470	265
DN400	406	950	565 / 580	16	26 / 30	515 / 525	320
DN450	432	1100	615 / 640	20	26 / 30	565 / 585	450
DN500	457	1250	670 / 715	20	26 / 34	615 / 650	580
DN600	508	1400	780 / 840	20	30 / 36	725 / 770	900

Cast iron/Ductile iron Metal seated gate valve BS5163



Parts

No.	Parts name	Material	Test		
			Normal pressure		PN16
1	Body	Cast iron or Ductile iron	Shell pressure	15bars	24bars
2	Wedge	Cast iron or Ductile iron	Seat pressure	11bars	17.6bars
3	Seat	Brass/stainless steel			
4	Stem	Stainless steel			
5	Bonnet	Cast iron or Ductile iron			
6	Handwheel	Cast iron or Ductile iron			

Design

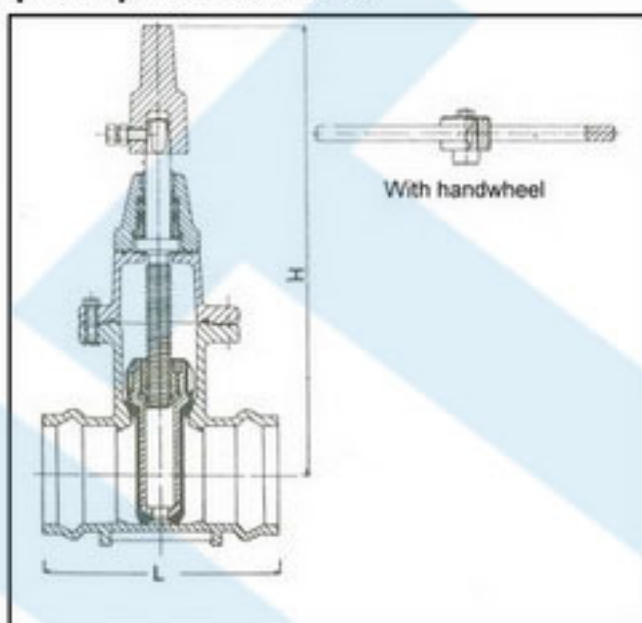
1	Design according to BS5163
2	Flange drilled according to BS4504 PN16
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	L	H	Dimension of Flange				Unit weight (Kgs)
			Dia. of flange	Nos. of hole	Dia. of hole	P.C.D.	
DN50	178	302	165	4	18	125	
DN65	190	322	185	4	18	145	
DN80	203	380	200	8	18	160	
DN100	229	420	220	8	18	180	
DN125	254	475	250	8	18	210	
DN150	267	490	285	8	22	240	
DN200	292	645	340	12	26	295	
DN250	330	750	405	12	26	355	
DN300	356	870	460	12	26	410	
DN350	381	940	520	16	28	470	
DN400	406	1060	580	16	31	525	
DN450	432	1258	640	20	31	585	
DN500	457	1350	715	20	34	650	
DN600	508	1510	840	20	37	770	

Cast iron/Ductile iron Resilient seated gate valve socket end
Socket end for Upvc Pipe to SABS 966



Parts

	Parts name	Material	Test		
			Normal pressure	PN10	PN16
	Body	Cast iron or Ductile iron	Shell pressure	15bars	24bars
	Wedge	Ductile iron with EPDM	Seat pressure	11bars	17.6bars
	Stem Nut	Copper to BS1400			
	Stem	Stainless steel to BS970 Part I			
	Bonnet	Cast iron or Ductile iron			
	Gland	Cast iron or Ductile iron			
	Handwheel/Cap	Cast iron or Ductile iron			

Design

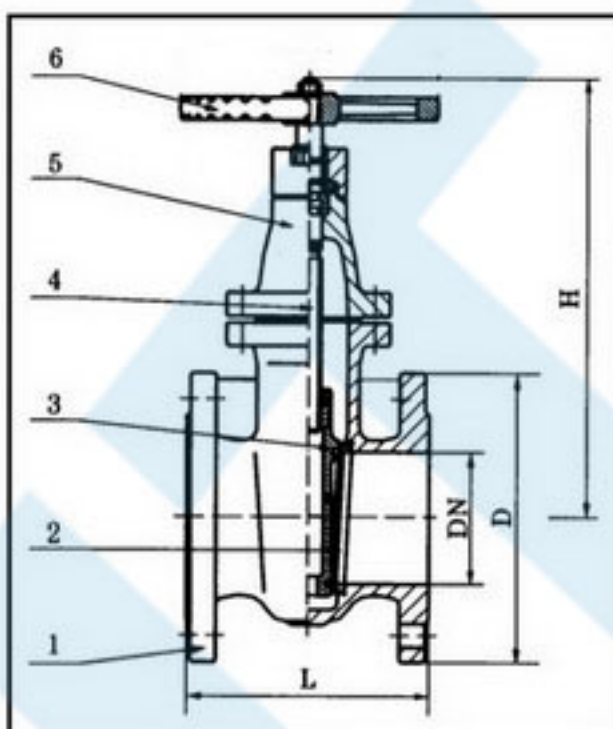
1	Design according to BS,DIN,ANSI,AWWA,SABS standard
2	Socket end to Upvc pipe
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimension

Unit : mm

DN	Pipe O.D	L	H
50	63	335	239
65	75	335	264
80	90	335	294
100	110	335	321
150	160	405	413
200	200	450	506
200	225	450	506
250	250	500	583
250	280	500	583
300	315	580	712

Cast iron/Ductile iron Metal seated gate valve DIN3352-F4



With cap operated

Parts

No.	Parts name	Material	Test		
			Norminal pressure	PN10	PN16
1	Body	Cast iron GG25 or Ductile iron GGG50	Shell pressure	15bars	24bars
2	Wedge	Cast iron GG25 or Ductile iron GGG50	Seat pressure	11bars	17.6bars
3	Seat	Brass/stainless steel			
4	Stem	Stainless steel			
5	Bonnet	Cast iron GG25 or Ductile iron GGG50			
6	Handwheel	Cast iron GG25 or Ductile iron GGG50			

Design

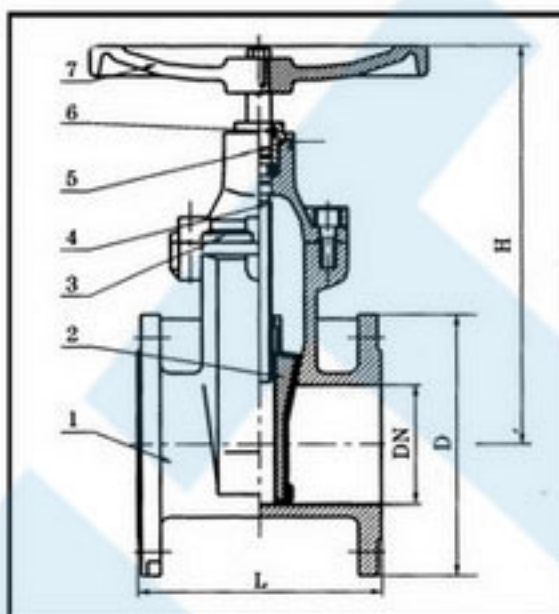
1	Design according to DIN 3352-Part 4
2	Flange drill according to DIN 3202, F4
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	L	H	Dimension of Flange (/PN10/PN16)				Unit weight (Kgs)
			Dia. of flange	Nos. of hole	Dia. of hole	P.C.D.	
DN40	140	230	130 / 150 / 150	4 / 4 / 4	14 / 18 / 18	100 / 110 / 110	14
DN50	150	240	140 / 165 / 165	4 / 4 / 4	14 / 18 / 18	110 / 125 / 125	16
DN65	170	260	160 / 185 / 185	4 / 4 / 4	14 / 18 / 18	130 / 145 / 145	19
DN80	180	290	190 / 200 / 200	4 / 8 / 8	18 / 18 / 18	150 / 160 / 160	24
DN100	190	340	210 / 220 / 220	4 / 8 / 8	18 / 18 / 18	170 / 180 / 180	30
DN125	200	400	240 / 250 / 250	8 / 8 / 8	18 / 18 / 18	200 / 210 / 210	45
DN150	210	440	265 / 285 / 285	8 / 8 / 8	18 / 22 / 22	225 / 240 / 240	58
DN200	230	550	320 / 340 / 340	8 / 8 / 12	18 / 22 / 26	280 / 295 / 295	90
DN250	250	670	375 / 395 / 405	12 / 12 / 12	18 / 22 / 26	335 / 350 / 355	145
DN300	270	710	440 / 445 / 460	12 / 12 / 12	22 / 22 / 26	395 / 400 / 410	190

Cast iron/Ductile iron Resilient seated gate valves DIN 3352-F4



With cap operated

Parts

Test

No.	Parts name	Material	Norminal pressure	PN10	PN16
1	Body	Cast iron GG25 or Ductile iron GGG50	Shell pressure	15bars	24bars
2	Wedge	Cast iron GG25 or Ductile iron GGG50	Seat pressure	11bars	17.6bars
3	Bonnet	Cast iron GG25 or Ductile iron GGG50			
4	Stem	Stainless steel X20CR13			
5	O ring	EPDM			
6	Nut	Brass			
7	Handwheel	Cast iron GG25 or Ductile iron GGG50			

Design

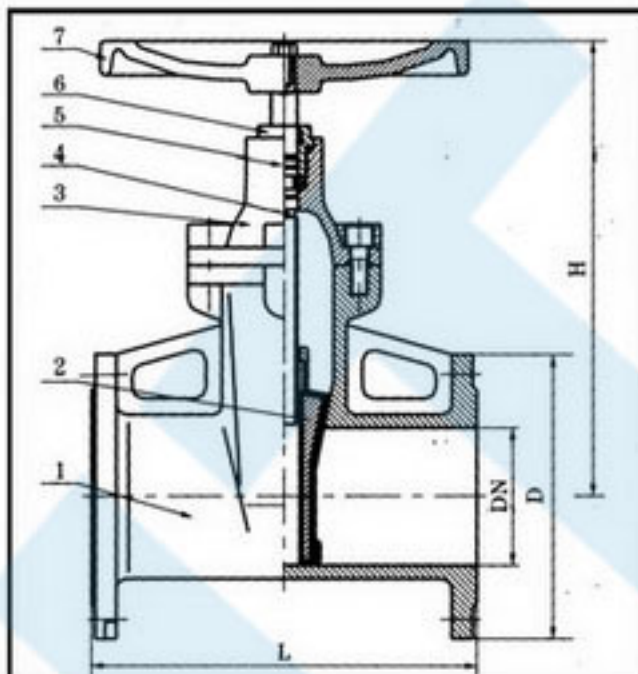
1	Design according to DIN 3352 - Part 4
2	Flange drilled according to DIN 3202 - F4
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	L	H	Dimension of Flange (PN10 / PN16)				Unit weight (Kgs)
			Dia. of flange	Nos. of hole	Dia. of hole	P.C.D.	
DN40	140	240	150 / 150	4 / 4	18 / 18	110 / 110	14
DN50	150	255	165 / 165	4 / 4	18 / 18	125 / 125	16
DN65	170	320	185 / 185	4 / 4	18 / 18	145 / 145	18
DN80	180	335	200 / 200	8 / 8	18 / 18	160 / 160	21
DN100	190	350	220 / 220	8 / 8	18 / 18	180 / 180	29
DN125	200	450	250 / 250	8 / 8	18 / 18	210 / 210	43
DN150	210	500	285 / 285	8 / 8	22 / 22	240 / 240	52
DN200	230	600	340 / 340	8 / 12	22 / 26	295 / 295	72
DN250	250	660	395 / 405	12 / 12	22 / 26	350 / 355	105
DN300	270	750	445 / 460	12 / 12	22 / 26	400 / 410	155
DN350	290	820	505 / 520	16 / 16	22 / 26	460 / 470	255
DN400	310	910	565 / 580	16 / 16	26 / 30	515 / 525	310

Cast iron/Ductile iron Resilient seated gate valve DIN3352-F5



With cap operated

Parts

No.	Parts name	Material	Test		
			Normal pressure	PN10	PN16
1	Body	Cast iron GG25 or Ductile iron GGG50	Shell pressure	15bars	24bars
2	Wedge	Ductile iron GGG50 with NBR/EPDM Cover	Seat pressure	11bars	17.6bars
3	Bonnet	Cast iron GG25 or Ductile iron GGG50			
4	Stem	Stainless steel			
5	O ring	NBR/EPDM			
6	Nut	Brass			
7	Handwheel	Cast iron GG25 or Ductile iron GGG50			

Design

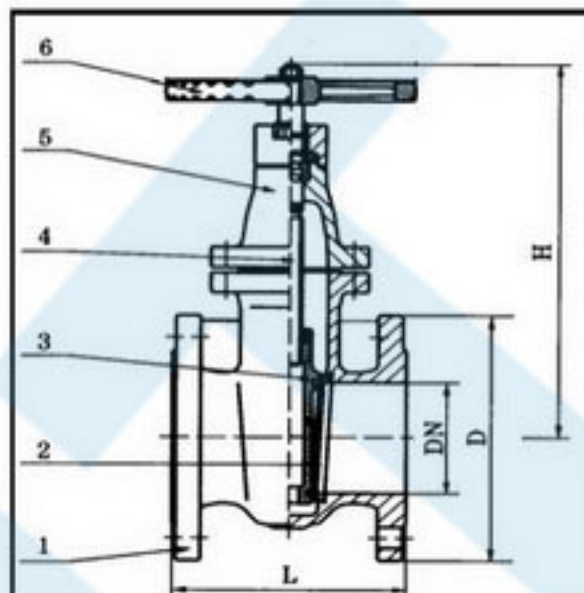
1	Design according to DIN 3352-Part 5
2	Flanged drilled according to DIN 3202, F5
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	L	H	Dimension of Flange (PN10 / PN16)				Unit weight (Kgs)
			Dia. of flange	Nos. of hole	Dia. of hole	P.C.D.	
DN40	240	245	150 / 150	4 / 4	18 / 18	110 / 110	16
DN50	250	280	165 / 165	4 / 4	18 / 18	125 / 125	18
DN65	270	320	185 / 185	4 / 4	18 / 18	145 / 145	21
DN80	280	335	200 / 200	8 / 8	18 / 18	160 / 160	25
DN100	300	350	220 / 220	8 / 8	18 / 18	180 / 180	31
DN125	325	450	250 / 250	8 / 8	18 / 18	210 / 210	48
DN150	350	500	285 / 285	8 / 8	22 / 22	240 / 240	57
DN200	400	600	340 / 340	8 / 12	22 / 26	295 / 295	83
DN250	450	700	395 / 405	12 / 12	22 / 26	350 / 355	136
DN300	500	800	445 / 460	12 / 12	22 / 26	400 / 410	180
DN350	550	870	505 / 520	16 / 16	22 / 26	460 / 470	270
DN400	600	950	565 / 580	16 / 16	26 / 30	515 / 525	330
DN450	650	1050	615 / 640	20 / 20	26 / 30	565 / 585	450
DN500	700	1180	670 / 715	20 / 20	26 / 34	620 / 650	600
DN600	800	1275	780 / 840	20 / 20	30 / 36	725 / 770	900

Cast iron/Ductile iron resilient seated gate valve ANSI125/150



Parts

No.	Parts name	Material	Test		
			Normal pressure	125psi	150psi
1	Body	Cast iron or Ductile iron	Shell pressure		200psi
2	Wedge	Ductile iron with EDPM	Seat pressure		300psi
3	Seat	SS316			
4	Stem	Stainless steel			
5	Bonnet	Cast iron or Ductile iron			
6	Handwheel	Cast iron or Ductile iron			

Design

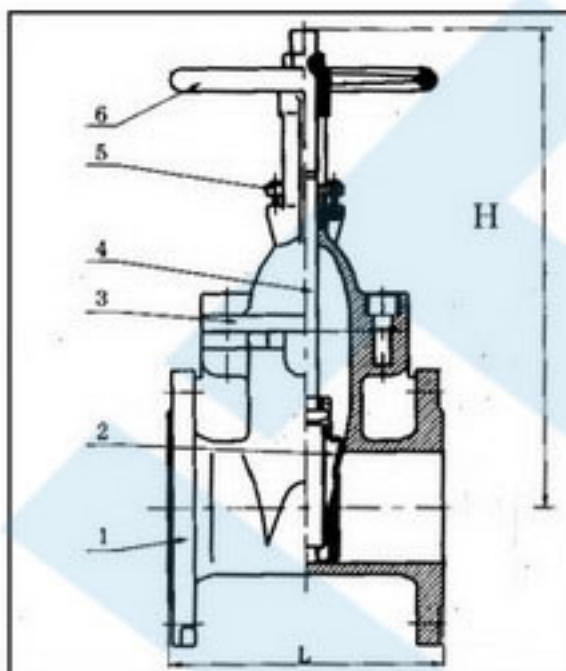
1	Design according to ANSI Class 150
2	Flange drilled according to ANSI B16.1/ANSI B16.5
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	L	H	Dimension of Flange				Unit weight (Kgs)
			Dia. of flange	Nos. of hole	Dia. of hole	P.C.D.	
DN50	178	302	152	4	19	121	17
DN65	190	322	178	4	19	139	20
DN80	203	380	191	4	19	152	29
DN100	229	420	229	8	19	191	39
DN125	254	475	254	8	22	216	53
DN150	267	490	279	8	22	241	64
DN200	292	645	343	8	22	298	118
DN250	330	750	406	12	25	362	165
DN300	356	870	483	12	25	432	215
DN350	381	940	533	12	29	476	290
DN400	406	1200	597	16	29	540	360

Cast iron/Ductile iron Resilient seated gate valve AWWA C509 flange end



Class 125 flat face flange
Class 150 Rised face flange

Parts

No.	Parts name	Material	Test	
1	Body	Cast iron ASTM A126 B	Normal pressure	125/150psi
2	Wedge	Ductile iron ASTM A536 with NBR Cover	Shell pressure	300psi
3	Bonnet	Cast iron ASTM A126 B	Seat pressure	200psi
4	Stem	Stainless steel to SS304		
5	York	Cast iron ASTM A126 B		
6	Handwheel	Cast iron ASTM A126 B		

Design

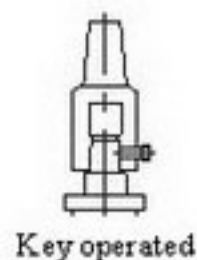
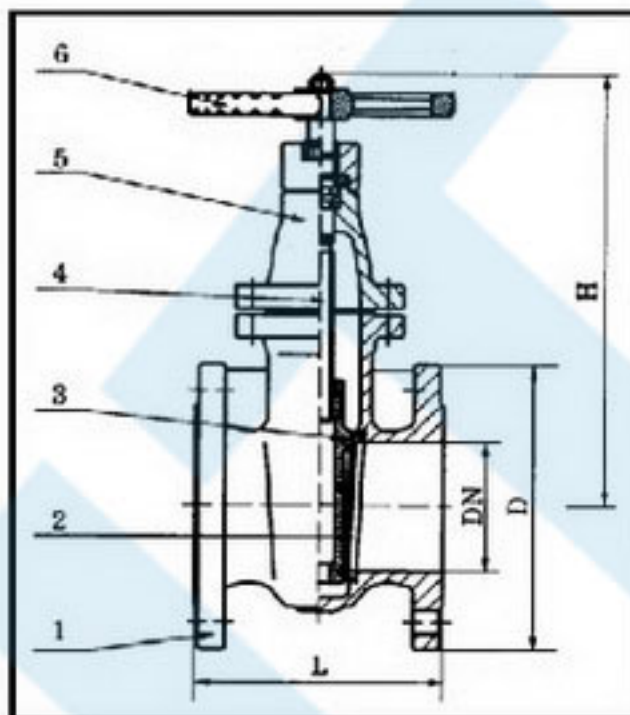
1	Design according to AWWA C509
2	Flange according ANSI B16.10
3	Internal and external coating by Fusion bonded epoxy powder, more than 250 micron thickness which can be suitable for potable water.

Dimensions

Unit : mm

DN	L	H	Dimension of Flange				Unit weight (Kgs)
			Dia. of flange	Nos. of hole	Dia. of hole	P.C.D.	
2"	178	290	152	4	19	121	17
2 1/2"	190	340	178	4	19	139	21
3"	203	390	191	4	19	152	26
4"	229	460	229	8	19	191	28
5"	254	530	254	8	22	216	50
6"	267	575	279	8	22	2412	65
8"	292	770	343	8	22	298	87
10"	330	920	406	12	25	362	140
12"	356	1040	483	12	25	432	210

Cast iron/Ductile iron Gate Valve BS3464 PN10



Parts

Test

No.	Parts name	Material	Normal pressure	PN10	
1	Body	Cast iron or Ductile iron	Shell pressure	15 bars	
2	Wedge	Cast iron or Ductile iron	Seat pressure	11 bars	
3	Seat	Brass			
4	Stem	Stainless steel			
5	Bonnet	Cast iron or Ductile iron			
6	Handwheel	Cast iron or Ductile iron			

Design

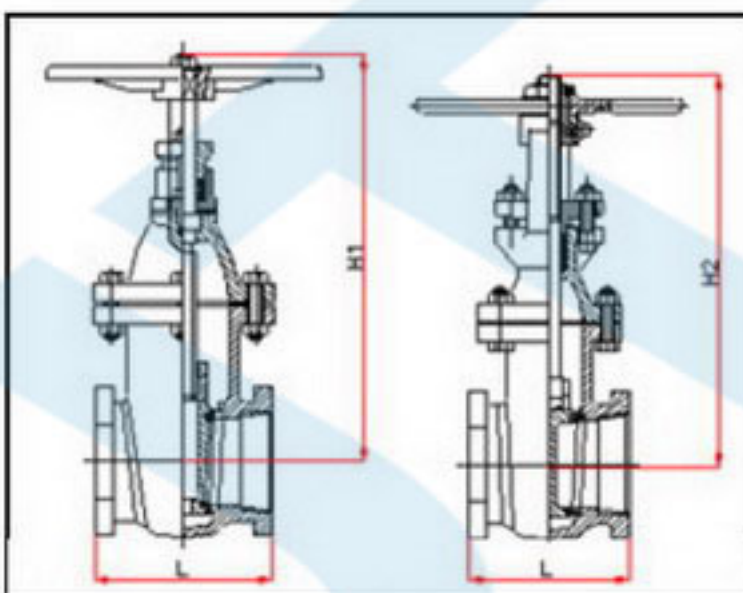
1	Design according to BS3464
2	Flanged drilled to BS10 Table E
3	Internal and external coating by fusion bonded epoxy powder 250 micron thickness

Dimensions

Unit : mm

DN	L	H	Dimension of Flange			
			Dia. of flange	Nos. of hole	Dia. of hole	P.C.D.
DN40	140	263	133	4	19	98
DN50	146	289	152	4	19	114
DN65	159	302	165	4	19	127
DN80	165	342	184	4	19	146
DN100	172	370	216	8	19	178
DN125	190	419	254	8	19	210
DN150	210	489	279	8	22	235
DN200	241	641	337	8	22	292
DN250	273	759	406	12	22	356
DN300	305	800	457	12	25	406

Cast iron/Ductile iron Metal seated Gate valve inner screw thread end class125/class150 ANSI



Parts

Parts		Test		
Parts name	Material	Working pressure	125psi	150psi
Body	Cast iron or Ductile iron	Shell pressure	300psi	
Bonnet	Cast iron or Ductile iron	Seat pressure	200psi	
Wedge	Cast iron or Ductile iron			
Stem	Stainless steel /Brass			
Body seat ring	Brass / Bronze / Stainless steel			
Wedge seat ring	Brass / Bronze / Stainless steel			

Dimensions

Unit : mm

DN	50	65	80	100	125	150
L	156	165	172	194	216	225
H1	302	322	380	420	475	490
H2	290	340	390	460	530	575