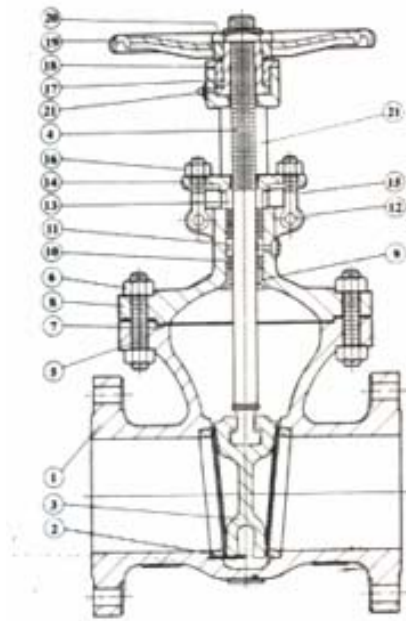




GATE VALVE

Cast Steel Gate Valves

Class 150 / 300 / 600 / 900 / 1500



Bolted bonnet, Outside screw & yoke, Rising stem, Non-rising handwheel, Flexible wedge, Welded or threaded seat ring.

Description:

Design and manufacture: ANSI B16.34 and
API 600

Test and inspection: API 598 .

Face to face dimensions: ANSI B16.10
2" - 24" to ANSI B16.5
26" - 36" to MSS SP-44

End flange dimensions: or API 605

Butt-welding ends: ANSI B16.25

Size: 2" ~ 36"

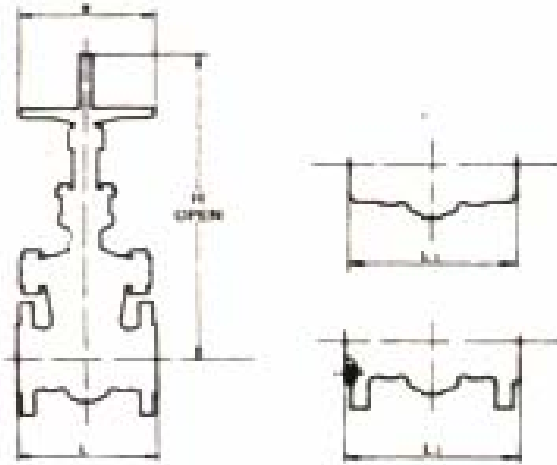
Materials of body/bonnet and trim

Body/bonnet	WCB, LCB, LCC, WC1, WC6, WC9, C5, C12, CF8, CF8M, CF3 and CF3M etc.
Trim (Disc/body seat)	F6/F6, 304/304,304L/304L, HF/HF, F6/HF, Monel/Monel, 316/316,316L/316L, Monel/HF and 316/HF etc.

Type of operation: handwheel, gear, electric or pneumatic actuator etc.

Standard materials of parts

No.	Parts	Materials
1	Body	A216 WCB
2	Seat ring	A105 + F6
3	Wedge	A216 WCB + F6
4	Stem	A182 F6
5	Bonnet bolt	A193 B7
6	Bonnet nut	A194 2H
7	Gasket	Stainless steel and graphite spiral wound
8	Bonnet	A216 WCB
9	Backseat bushing	A182 F6
10	Stem packing	Graphite
11	Lantern	A182 F6
12	Pin	Carbon steel
13	Gland	A182 F6
14	Gland flange	Carbon steel
15	Gland eyebolt	A307 B
16	Gland nut	A194 2H
17	Stem nut	A439 D2
18	Retaining nut	Carbon steel
19	Handwheel	Ductile iron
20	H.W.Lock Nut	Carbon steel
21	York	A216 WCB
22	Nipple	Carbon steel



Dimensions (in mm & inch) and weight

Class 150

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750	900	
NPS	2	2.1/2	3	4	5	6	8	10	12	14	16	18	20	24	30	36	
L	178	191	203	229	254	267	292	330	356	381	407	432	457	508	610	711	
(RF)	7	7.1/2	8	9	10	10.1/2	11.1/2	13	14	15	16	17	18	20	24	28	
L1	216	241	283	305	381	403	419	457	502	572	610	660	711	813	915	1016	
(BW)	8.1/2	9.1/2	11.1/2	12	15	15.7/8	16.1/2	18	19.3/4	22.1/2	24	26	28	32	36	40	
H	400	490	508	585	740	773	995	1160	1375	1569	1765	1978	2219	2611	3197	3737	
(Open)	15.3/4	19.1/4	20	23	29.1/8	30.3/8	37.5/8	45.3/4	54.1/8	61.3/4	69.1/2	77.7/8	87.3/8	102.3/4	125.3/4	147.1/8	
V	200	200	250	300	300	350	350	400	450	500	600	600	680	750	915	915	
		8	8	10	12	12	14	14	16	18	20	24	24	27	30	36	36
RF (Kgs)	18	28	30	50	70	85	128	220	310	450	550	700	910	1130	2780	3700	
BW (Kgs)	15	22	26	40	68	77	118	200	290	435	510	650	880	1100	2650	3520	

Class 300

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	
NPS	2	2.1/2	3	4	5	6	8	10	12	14	16	18	20	24	
L-L1 (RF-BW)	216	241	283	305	381	403	419	457	502	762	838	914	991	1143	
		8.1/2	9.1/2	11.1/8	12	15	15.7/8	16.1/2	18	19.3/4	30	33	36	39	45
H (Open)	470	525	533	633	800	805	1024	1232	1460	1645	1841	1988	2208	2603	
		18.1/2	20.3/4	21	24.7/8	31.1/2	31.3/4	40.1/4	48.1/2	57.1/2	64.3/4	72.1/2	78.1/4	86.3/8	102.1/2
V	200	200	250	250	350	350	400	450	500	600	600	680	750	915	
		8	8	10	10	14	14	16	18	20	24	24	27	30	36
RF (Kgs)	24	44	48	73	124	144	226	350	580	715	1050	1235	1655	2320	
BW (Kgs)	20	35	37	54	100	110	174	285	495	615	940	1090	1500	2100	

Class 600

DN	50	65	80	100	150	200	250	300	350	400	450	500	660		
NPS	2	2.1/2	3	4	6	8	10	12	14	16	18	20	24		
L-L1 (RF-BW)	292	330	356	432	559	660	787	838		889	991	1092	1194	1397	
		11.1/2	13	14	17	22	26	31	33	35	39	43	47	55	
H (Open)	474	520	547	703	913	1077	1276		1490		1623	1816	2260	2260	2900
		18.3/4	20.1/2	21.1/2	27.3/4	36	42.3/8	50.1/8	58.3/4	63.7/8	71.1/2	89	89	114.1/4	
V	250	250	250	300	450	500	600		680		750	850	960	960	1100
		10	10	10	12	18	20	24	27	30	34	38	38	44	
RF (Kgs)	35	55	72	126	265	444	700		940		1310	1610	2070	2405	3810
BW (Kgs)	32	47	64	103	218	374	570		830		1012	1217	1760	2000	3200

Class 900

DN	50	65	80	100	150	200	250	300	350	400	450	500	600		
NPS	2	2.1/2	3	4	6	8	10	12	14	16	18	20	24		
L-L1 (RF-BW)	368	419	381	457	610	737	838		965		1029	1130	1219	1321	1549
		14.1/2	16.1/2	15	18	24	29	33	38	40.1/2	44.1/2	48	52	61	
H (Open)	620	705	695	825	1065	1320	1540		1840		2135	2380	2580	2780	3130
		24.1/2	27.3/4	27.3/4	32.1/2	42	52	60.5/8	72.1/2	84.1/8	93.3/4	101.1/2	109.1/2	123.1/4	
V	300	350	350	400	500	600	750		850		850	960	960	1100	1100
		12	14	14	16	20	24	30	34	34	38	38	44	44	
RF (Kgs)	95	128	125	192	378	635	900		1550		2170	3070	3930	5120	7800
BW (Kgs)	80	110	105	165	330	520	730		1300		1800	2650	3400	4300	6500

Class 1500

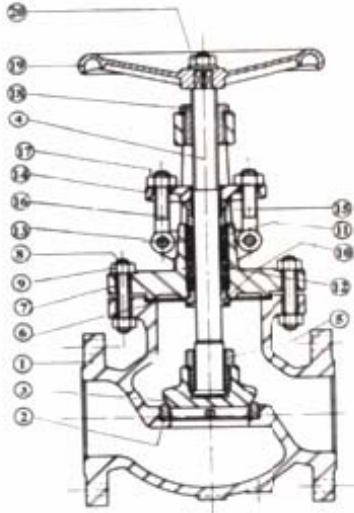
DN	50	65	80	100	150	200	250	300	350	400	450	500	600		
NPS	2	2.1/2	3	4	6	8	10	12	14	16	18	20	24		
L-L1 (RF-BW)	368	419	470	546	705	832	991		1130		1257	1384	1537	1664	1943
		14.1/2	16.1/2	18.1/2	21.1/2	27.3/4	32.3/4	39	44.1/2	49.1/2	54.1/2	60.1/2	65.1/2	76.1/2	
H (Open)	695	705	770	872	1092	1400	1600		1840		2025	2230	2430	2630	3130
		27.3/8	27.3/4	30.1/4	34.3/8	43	55.1/8	63	72.1/2	79.3/4	88	95.3/4	103.1/2	123.1/4	
V	400	400	400	500	600	750	850		960		960	1100	1100	1200	1200
		16	16	16	20	24	30	34	38	38	44	44	48	48	
RF (Kgs)	95	128	181	275	627	1000	2200		3300		4200	6300	7500	9000	11000
BW (Kgs)	80	110	145	220	560	850	1950		2850		3550	5500	6500	8000	9500



FITTING SUPPLY COMPANY LIMITED

GLOBE VALVE

Cast Steel Globe Valves Class 150/300/600/900/1500



Bolted bonnet, Outside screw & yoke, Rising stem, Plug type disc, Threaded seat ring.

Description:

Design and manufacture: ANSI B16.34 and BS1873

Test and inspection: API 598 .

Face to face dimensions: ANSI B16.10

End flange dimensions: ANSI B16.5

Butt-welding ends: ANSI B16.25

Size: 2" ~ 16"

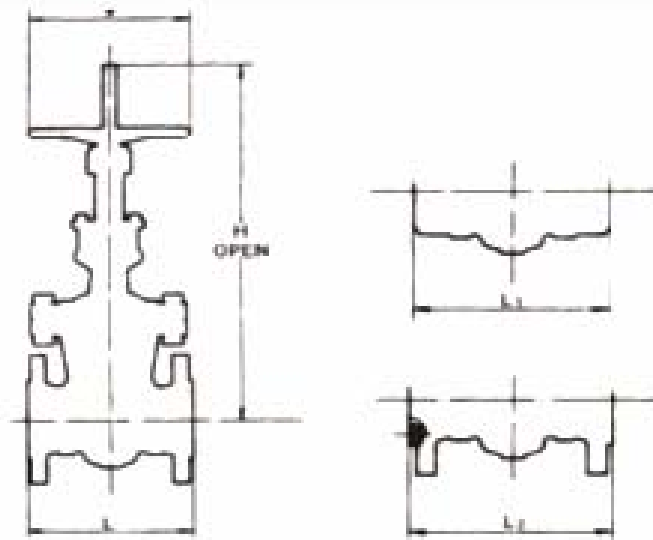
Materials of body/bonnet and trim

Body/bonnet	WCB, LCB, LCC, WC1, WC6, WC9, C5, C12, CF8, CF8M, CF3 and CF3M etc.
Trim (Disc/body seat)	F6/F6, 304/304,304L/304L, HF/HF, F6/HF, Monel/Monel, 316/316, 316L/316L, Monel/HF and 316/HF etc.

Type of operation: handwheel, gear, electric or pneumatic actuator etc.

Standard materials of parts

No.	Parts	Materials
1	Body	A216 WCB
2	Seat ring	A105 + F6
3	Disc	A105 + F6
4	Stem	A182 F6
5	Disc nut	A182 F6
6	Gasket	Stainless steel and graphite spiral wound
7	Bonnet	A216 WCB
8	Bonnet bolt	A193 B7
9	Bonnet nut	A194 2H
10	Backseat bushing	A182 F6
11	Stem packing	Graphite
12	Lantern	A182 F6
13	Pin	Carbon steel
14	Gland flange	Carbon steel
15	Gland	A182 F6
16	Gland eyebolt	A307 B
17	Gland nut	A194 2H
18	Stem nut	A394 D2
19	Handwheel	Ductile iron
20	H.W.Lock Nut	Carbon steel



**Dimensions (in mm & inch) and weight
Class 150**

DN	50	65	80	100	125	150	200	250	300	350	400
NPS	2	2.1/2	3	4	5	6	8	10	12	14	16
L-L1 (RF-BW)	203	216	241	292	356	406	495	622	699	787	914
		8	8.1/2	9.1/2	11.1/2	14	16	19.1/2	24.1/2	27.1/2	31
H (Open)	380	435	465	530	580	650	760	860	1000	1050	1150
		15	17.1/8	18.1/4	20.7/8	22.7/8	25.5/8	30	33.7/8	39.3/8	41.3/8
V	200	250	250	300	300	350	400	500	600	600	750
		8	10	10	12	12	14	16	20	24	24
RF (Kgs)	22	30	37	61	90	110	168	238	410	450	636
BW (Kgs)	19	27	34	51	75	88	146	215	370	400	550

Class 300

DN	50	65	80	100	125	150	200	250	300	350	400
NPS	2	2.1/2	3	4	5	6	8	10	12	14	16
L-L1 (RF-BW)	267	292	318	356	400	445	559	622	711	838	864
		10.1/2	11.1/2	12.1/2	14	15.3/4	17.1/2	22	24.1/2	28	33
H (Open)	425	465	530	610	695	790	870	1040	1140	1200	1400
		16.3/4	18.1/4	20.7/8	24	27.3/8	31.1/8	34.1/4	41	44.7/8	47.1/4
V	200	250	250	300	300	400	500	500	600	750	850
		8	10	10	12	12	16	20	20	24	30
RF (Kgs)	27	40	53	80	130	155	240	340	495	650	850
BW (Kgs)	21	33	44	66	110	128	210	280	410	520	700

Class 600

DN	50	65	80	100	150	200	250	300	350	400
NPS	2	2.1/2	3	4	6	8	10	12	14	16
L-L1 (RF-BW)	292	330	356	432	559	660	787	838	889	991
		11.1/2	13	14	17	22	26	31	33	35
H (Open)	475	515	585	675	885	945	1040	1280	1350	1550
		18.3/4	20.1/4	23	26.1/2	35	37.1/4	41	50.1/2	53.1/8
V	250	250	300	350	450	500	600	750	850	960
		10	10	12	14	18	20	24	30	34
RF (Kgs)	40	57	72	121	250	450	700	900	1115	1480
BW (Kgs)	36	45	61	97	222	356	588	800	900	1100

Class 900

DN	50	65	80	100	150	200	250	300	350	400
NPS	2	2.1/2	3	4	6	8	10	12	14	16
L-L1 (RF-BW)	368	419	381	457	610	737	838	965	1029	1130
		14.1/2	16.1/2	15	18	24	29	33	38	40.1/2
H (Open)	600	660	665	800	1015	1145	1360	1610	1650	1800
		23.5/8	26	28.1/8	31.1/2	40	45.1/8	53.1/2	63.3/8	65
V	300	350	350	500	600	600	750	850	960	960
		12	14	14	20	24	24	30	34	38
RF (Kgs)	87	130	122	182	434	730	1120	1630	2000	2650
BW (Kgs)	80	115	102	167	385	620	950	1410	1760	2350

Class 1500

DN	50	65	80	100	150	200	250	300	350	400
NPS	2	2.1/2	3	4	6	8	10	12	14	16
L-L1 (RF-BW)	368	419	470	546	705	832	991	1130	1257	1384
		14.1/2	16.1/2	18.1/2	21.1/2	27.3/4	32.3/4	39	44.1/2	49.1/2
H (Open)	600	660	770	850	1145	1345	1510	1870	1950	2200
		23.5/8	26	30.3/8	33.1/2	45	53	59.1/2	73.5/8	76.3/4
V	300	350	500	500	600	600	750	850	960	1100
		12	14	20	20	24	24	30	34	38
RF (Kgs)	87	130	250	435	540	970	1520	2200	2700	3580
BW (Kgs)	80	115	220	385	450	790	1320	1960	2400	3250

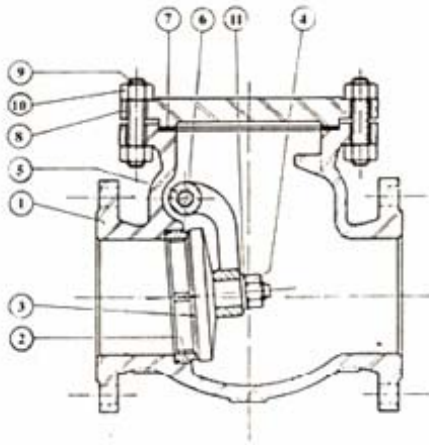


FITTING SUPPLY COMPANY LIMITED

CHECK VALVE

Cast Steel Check Valves Class

150 / 300 / 600 / 900 / 1500



Bolted cover, Swing type disc, Welded or threaded seat ring.

Description:

Design and manufacture: ANSI B16.34 and
API 6D or
BS 1868

Test and inspection: API 598 .

Face to face dimensions: ANSI B16.10

End flange dimensions: ANSI B16.5

Butt-welding ends: ANSI B16.25

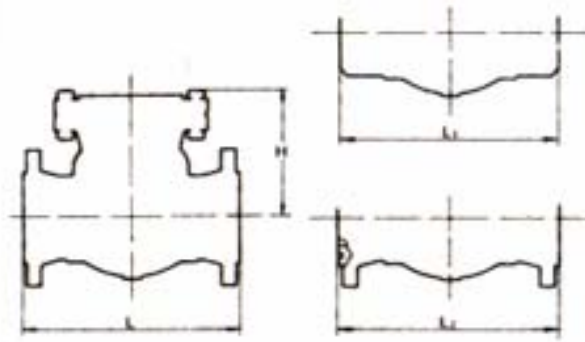
Size: 2" ~ 24"

Materials of body/bonnet and trim

Body/bonnet	WCB, LCB, LCC, WC1, WC6, WC9, C5, C12, CF8, CF8M, CF3 and CF3M etc.
Trim (Disc/body seat)	F6/F6, 304/304,304L/304L, HF/HF, F6/HF, Monel/Monel, 316/316,316L/316L, Monel/HF and 316/HF etc.

Standard materials of parts

No.	Parts	Materials
1	Body	A216 WCB
2	Seat ring	A105 + F6
3	Disc	A216 WCB + F6
4	Disc nut	A182 F6
5	Hinge	A216 WCB
6	Hinge pin	A182 F6
7	Gasket	Stainless steel and graphite spiral wound
8	Cover	A216 WCB
9	Cover bolt	A193 B7
10	Cover nut	A194 2H
11	Washer	Steel



Dimensions (in mm & inch) and weight

Class 150

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	
NPS	2	2.1/2	3	4	5	6	8	10	12	14	16	18	20	24	
L-L1 (RF-BW)	203	216	241	292	330	356	495	622	699	787	864	978	978	1295	
		8	8.1/2	9.1/2	11.1/2	13	14	19.1/2	24.1/2	27.1/2	31	34	38.1/2	38.1/2	51
H	170	180	185	215	240	260	300	350	400	450	480	540	600	680	
		6.3/4	7.1/8	7.3/8	8.1/2	9.1/2	10.1/4	11.7/8	13.7/8	15.3/4	17.3/4	19	21.1/4	25.5/8	26.3/4
RF (Kgs)	15	26	27	42	69	75	124	200	310	428	555	775	835	1300	
BW (Kgs)	12	17	18	32	57	60	106	174	258	368	483	685	720	1150	

Class 300

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	
NPS	2	2.1/2	3	4	5	6	8	10	12	14	16	18	20	24	
L-L1 (RF-BW)	267	292	318	356	400	445	533	622	711	838	864	978	1016	1346	
		10.1/2	11.1/2	12.1/2	14	15.3/4	17.1/2	21	24.1/2	28	33	34	38.1/2	40	53.7/8
H	170	185	215	235	270	300	340	350	420	480	520	600	670	750	
		6.3/4	7.3/8	8.1/2	9.1/4	10.5/8	11.7/8	13.3/8	13.7/8	16.5/8	18.7/8	20.1/2	23.5/8	26.3/8	29.5/8
RF (Kgs)	21	30	39	70	115	125	190	290	450	700	774	1000	1273	1650	
BW (Kgs)	15	22	30	44	92	98	150	230	375	490	640	850	1100	1400	

Class 600

DN	50	65	80	100	150	200	250	300	350	400	450	500	600	
NPS	2	2.1/2	3	4	6	8	10	12	14	16	18	20	24	
L-L1 (RF-BW)	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	
		11.1/2	13	14	17	22	26	31	33	35	39	43	47	55
H	175	200	230	295	360	400	460	520	560	650	730	800	900	
		6.7/8	7.7/8	9.1/8	11.5/8	14.1/4	15.3/4	18.1/8	20.1/2	22.1/8	25.5/8	28.3/4	31.1/2	35.1/2
RF (Kgs)	28	38	52	87	224	354	626	790	892	1200	1600	2420	3150	
BW (Kgs)	20	30	140	65	133	280	530	670	752	1020	1350	2050	2720	

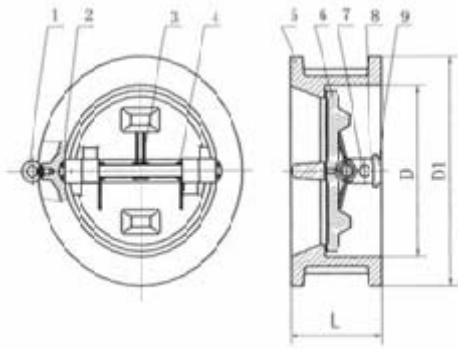
Class 900

DN	50	65	80	100	150	200	250	300	350	400	450	500	600	
NPS	2	2.1/2	3	4	6	8	10	12	14	16	18	20	24	
L-L1 (RF-BW)	368	419	381	457	610	737	838	965		1029	1130	1219	1321	1549
		14.1/2	16.1/2	15	18	24	29	33	38	40.1/2	44.1/2	48	52	61
H	250	270	230	310	360	430	480	560		630	700	750	850	1000
		9.7/8	10.5/8	9.1/8	12.1/4	14.1/4	17	18.7/8	22	24.7/8	27.5/8	29.5/8	33.1/2	39.3/8
RF (Kgs)	69	93	85	145	310	500	772	1080		1380	1810	2400	3500	4700
BW (Kgs)	60	78	70	120	265	385	600	860		1140	1510	2050	3100	4200

Class 1500

DN	50	65	80	100	150	200	250	300	350	400	450	500	600	
NPS	2	2.1/2	3	4	6	8	10	12	14	16	18	20	24	
L-L1 (RF-BW)	368	419	470	546	705	832	991	1130		1257	1384	1537	1664	1943
		14.1/2	16.1/2	18.1/2	21.1/2	27.3/4	32.3/4	39	44.1/2	49.1/2	54.1/2	60.1/2	65.1/2	76.1/2
H	250	270	300	330	450	500	560	650		750	800	900	1000	1200
		9.7/8	10.5/8	11.7/8	13	17.3/4	19.3/4	22.1/8	22.5/8	29.5/8	31.1/2	35.1/2	39.3/8	47.1/4
RF (Kgs)	69	93	120	235	540	945	1275	1870		2560	3260	4080	5950	8000
BW (Kgs)	60	78	90	185	450	785	1065	1550		2100	2700	3400	5200	7100

Cast Steel Wafer Check Valves



Design and Manufacture : API594
 Test and inspection : API598
 Face to face dimension : API594
 End flange dimension : 2" -24" to ANSI B16.5
 End flange dimensions : 26" - 36" to MSS
 SP-44
 Pressure : Class 150 to Class 2500
 Size : 2" ~ 48"

Standard materials of parts

No.	Part	Material
1	Lifting ring bolt	SS
2	Screw	SS
3	Axle bushing	SS
4	Spring	SS or Inconel-X
5	Body	WCB, CF8,CF 8M , CF3, CF 3M
6	Disc	WCB, CF8, CF 8M , CF3, CF 3M
7	Disc hinge pin axle	SS304,SS316, SS 304L , SS 316L
8	Pin axle bearing	SS304,SS316, SS 304L , SS 316L
9	Plate	SS304, SS316, SS 304L , SS 316L
	Sealing face	Metal, NBR, BUNA, EPDM

Other cast steel material is also available upon request.

Dimension and Weight

Unit: in (inch)

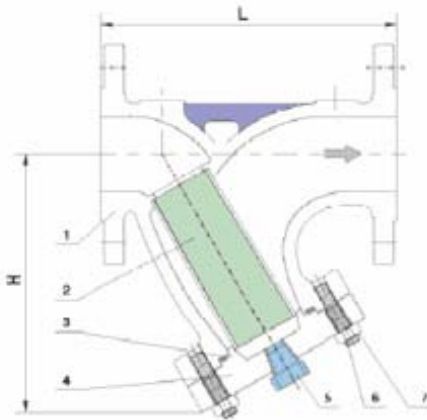
class	size	2	2-1/2	3	4	6	8	10	12	14	16	18	20	24
150LB	L	2-3/8	2-5/8	2-7/8	2-7/8	3-7/8	5	5-3/4	7-1/8	7-1/4	7-1/2	8	8-5/8	8-3/4
	D	4-1/1 6	4-13/1 6	5-5/16	6-13/1 6	8-3/4	11	13-5/1 6	16-1/8	17-3/4	20-1/4	21-5/ 8	23-7/ 8	28-1/ 4
	Wt.(kg)	2.1	3.1	4	6.2	13.1	25	39	54	80	118	210	240	410
300LB	L	2-3/8	2-5/8	2-7/8	2-7/8	3-7/8	5	5-3/4	7-1/8	8-3/4	9-1/8			
	D	4-5/1 6	5-1/16	5-13/1 6	7-1/16	9-7/8	12-1/1 6	14-3/1 6	16-5/8	19-1/1 6	21-1/4			
	Wt.(kg)	2.3	5	5.3	7.4	18.2	31	54	88	128	169			
600LB	L	2-3/8	2-5/8	2-7/8	3-1/8	5-3/8	6-1/2	8-3/8	9					
	D	4-5/1 6	5-1/16	5-13/1 6	7-9/16	10-7/1 6	12-9/1 6	15-13/ 16	17-15/ 16					
	Wt.(kg)	3.5	5	7	12	35	45	77	110					
900LB	L	2-3/4	3-1/4	3-1/4	4	6-1/4	8-1/8							
	D	5-9/1 6	6-7/19	6-9/16	8-1/16	11-3/8	14-1/8							
	Wt.(kg)	6.5	9	14	24	43	56							



FITTING SUPPLY COMPANY LIMITED

Y-Strainer

Cast Steel Y-Strainers



Design and Manufacture : AMSE B16.34
 Test and inspection : API598
 Face to face dimension : ASME B16.10
 End flange dimension : 2" -24" to ANSI B16.5
 Pressure : Class 150 to Class 2500
 Size : 2" ~ 24"
 (DIN standard is also available upon request)

Standard Material of main parts

No.	Part	Material
1	Body	A216WCB
2	Screen	SS304 or SS316
3	Gasket	Graphite+SS304
4	Cover	A216WCB
5	Plug	A105
6	Cover bolt	A193 B7
7	Cover bolt nut	A194 2H

Other cast steel and stainless steel material is also available upon request

Dimension and Weight

unit: mm

Class	Size(in)	2"	2-1/2"	3"	4"	6"	8"	10"	12"
150LB	L	203	216	241	292	406	495	622	699
	H	145	183	206	228	320	440	507	594
	Wt.(kg)	12	18	21	32	48	105	169	215
300LB	H	267	292	318	356	445	559	622	711
	D	170	185	235	290	375	450	575	665
	Wt.(kg)	15	18	35	51	92	182	285	307
600LB	L	292	330	358	432	559	660	787	838
	H	185	200	250	300	415	490	595	680
	Wt.(kg)	35	40	48	90	220	360	500	781