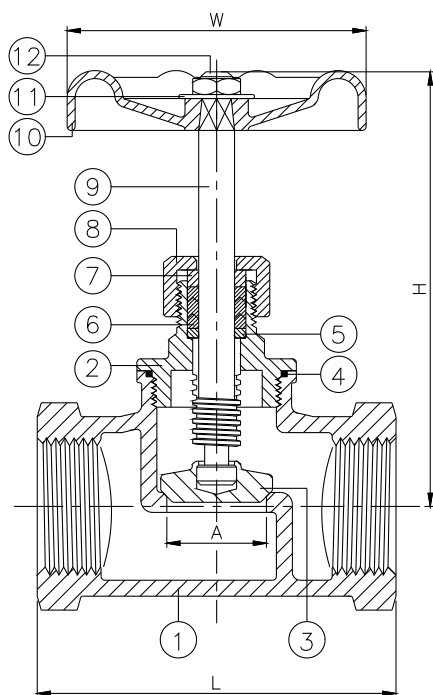




FEATURES

- 1/4"~2" (DN8~DN50)
- W.P. : 200 WOG
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Thread type : ASTM B1.20.1 (NPT)
DIN2999 & BS21
ISO228/1 & ISO7/1



ITEM	PARTS	MATERIAL
1	BODY	ASTM A351-CF8M
2	BONNET	
3	DISC	PTFE
4	SEAL	
5	WASHER	AISI 304
6	PACKING	PTFE
7	GLAND RING	AISI 304
8	CAP NUT	AISI 316
9	STEM	
10	HANDLE	ALUMINUM
11	NAMEPLATE	
12	STEM NUT	AISI 304

DN	L	H	W	A	Weight (kg)
8	52	105.5	70	13.6	0.34
10	52	105.5	70	13.6	0.32
15	52	107	70	13.6	0.33
20	66	116	80	17.6	0.47
25	76	129.2	80	22.6	0.66
32	86	153.5	90	29.5	1.01
40	94	157	100	30.5	1.29
50	118	172	100	42.5	1.82

unit:mm

NPS	L	H	W	A	Weight (lb)
1/4"	2.05	4.15	2.76	0.54	0.75
3/8"	2.05	4.15	2.76	0.54	0.71
1/2"	2.05	4.21	2.76	0.54	0.73
3/4"	2.6	4.57	3.15	0.69	1.04
1"	2.99	5.09	3.15	0.89	1.46
1-1/4"	3.39	6.04	3.54	1.16	2.23
1-1/2"	3.7	6.18	3.94	1.2	2.84
2"	4.65	6.77	3.94	1.67	4.01

unit:in



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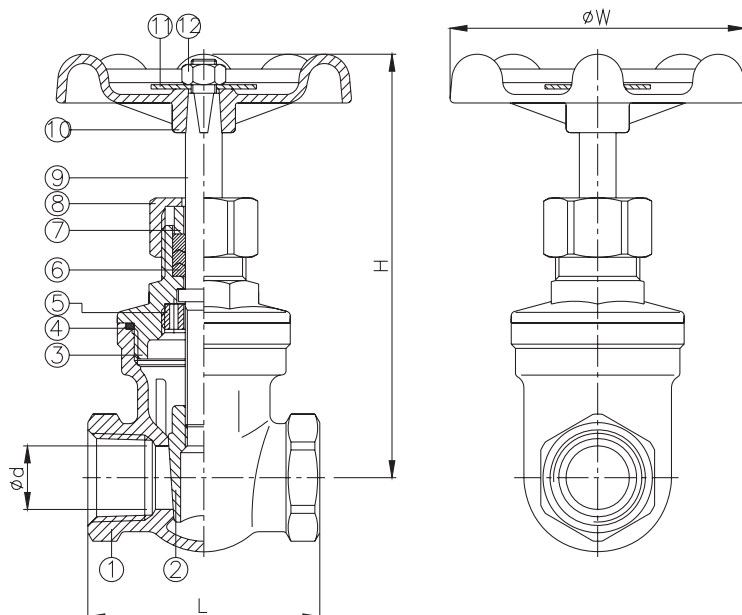
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FEATURES

- 1/4"~3" (DN8~DN80)
- W.P. : 200 WOG
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Non-rising stem
- Thread type : ASME B1.20.1 (NPT)
DIN2999 & BS21
ISO7/1 & EN10226



ITEM	PARTS	MATERIAL
1	BODY	ASTM A351-CF8M
2	DISC	
3	BONNET	
4	SEAL	PTFE
5	GASKET	AISI 304
6	PACKING	PTFE
7	GLAND RING	AISI 304
8	CAP NUT	ASTM A351-CF8M
9	STEM	AISI 316
10	HANDLE	ALUMINUM
11	NAMEPLATE	
12	NUT	AISI 304

DN	d	L	H	W	Weight (kg)
15	15	55	101	70	0.4
20	20	60	108	70	0.5
25	25	65	118	80	0.7
32	32	75	132	80	1
40	38	85	149	90	1.4
50	50	95	175	100	2.1
65	65	116	213	140	5.8
80	80	130	241	140	8.8

unit:mm

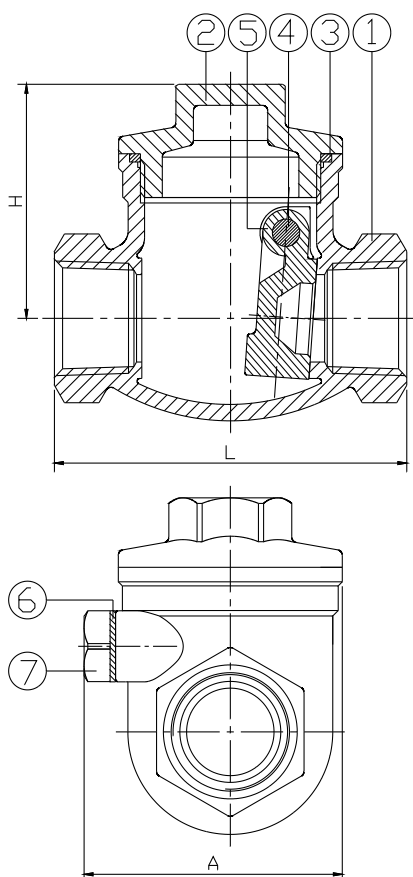
NPS	d	L	H	W	Weight (lb)
1/2"	0.59	2.17	3.98	2.76	1
3/4"	0.79	2.36	4	2.76	1.2
1"	0.98	2.56	4.65	3.15	1.5
1-1/4"	1.26	2.95	5.2	3.15	2.2
1-1/2"	1.5	3.35	5.87	3.54	3.1
2"	1.97	3.74	6.89	3.94	5
2-1/2"	2.56	4.57	8.39	3.94	12.8
3"	3.15	5.12	9.49	5.51	19.4

unit:in



FEATURES

- 1/2"~3" (DN15~DN80)
- W.P. : 200 WOG
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Socket weld (option)
- Thread type : ASTM B1.20.1 (NPT)
DIN2999 & BS21
ISO228/1 & ISO7/1



ITEM	PARTS	MATERIAL
1	BODY	ASTM A351-CF8M
2	CAP	
3	SEAL	PTFE
4	PLUG	AISI 316
5	DISC	ASTM A351-CF8M
6	GASKET	PTFE
7	BOLT	AISI 304

DN	15	20	25	32	40	50	65	80
L	65	80	89	105	120	139	181	200
H	61.8	71.1	84	95	109	120	98.8	104
A	46.5	56	64	64	74.5	84.4	111.2	152
Weight (kg)	0.363	0.426	0.655	0.927	1.49	2.15	5.27	7.7

unit:mm

NPS	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
L	2.56	3.15	3.5	4.13	4.72	5.47	7.13	7.87
H	2.43	2.8	3.31	3.74	4.29	4.72	3.89	4.09
A	1.83	2.2	2.52	2.52	2.93	3.32	4.38	5.98
Weight (lb)	0.8	0.94	1.44	2.04	3.28	4.74	11.62	16.98

unit:in



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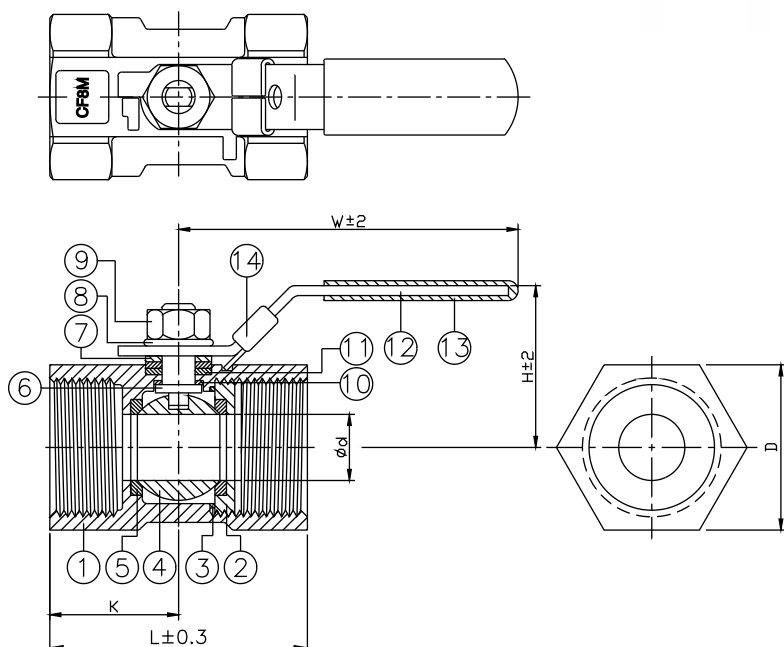
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FEATURES

- Reduced port, 1/4"~2" (DN8~DN50)
 - W.P. : 1000 WOG (PN63)
 - W.T. : -20°C~200°C (-4°F~392°F)
 - Investment casting
 - Blow-out proof stem
 - Anti-static device (option)
 - Locking device
- Thread type : ASTM B1.20.1 (NPT)
DIN2999 & BS21
ISO228/1 & ISO7/1



ITEM	PARTS	MATERIAL	
1	BODY	ASTM A351-CF8M	ASTM A216-WCB
2	SEAT RETAINER		
3	SEAL	PTFE	
4	BALL	ASTM A351-CF8M	
5	SEAT	PTFE	
6	STEM	ASTM A351-CF8M	
7	GLAND RING	AISI 304	
8	SPRING WASHER		
9	NUT		
10	THRUST WASHER	PTFE	
11	PACKING		
12	HANDLE	AISI 304	
13	HANDLE SLEEVE	PVC	
14	LOCKING DEVICE	AISI 304	

DN	d	L	H	W	K	D	Torque (N·m)	Weight (kg)
8	5	39	35	68	20	17	0.78	0.07
10	7	44	42	74	23	21.5	0.98	0.1
15	9	56.5	42	96	29	25	1.18	0.19
20	12.5	59	44	98	29	32	1.76	0.26
25	15	71	57	115	35	38	2.94	0.4
32	20	78	62	115	38	49	4.9	0.68
40	25	83	62	163	40.5	53	7.35	0.9
50	32	100	68	163	49	65	8.82	1.4

unit:mm

NPS	d	L	H	W	K	D	Torque (in·lb)	Weight (lb)
1/4"	0.2	1.54	1.38	2.68	0.79	0.67	6.9	0.15
3/8"	0.28	1.73	1.65	2.91	0.91	0.85	8.67	0.22
1/2"	0.35	2.22	1.65	3.78	1.14	0.98	10.44	0.42
3/4"	0.49	2.32	1.73	3.86	1.14	1.26	15.58	0.57
1"	0.59	2.8	2.24	4.53	1.38	1.5	26.02	0.88
1-1/4"	0.79	3.07	2.44	4.53	1.5	1.93	43.37	1.5
1-1/2"	0.98	3.27	2.44	6.42	1.59	2.09	65.05	1.98
2"	1.26	3.94	2.68	6.42	1.93	2.56	78.06	3.09

unit:in



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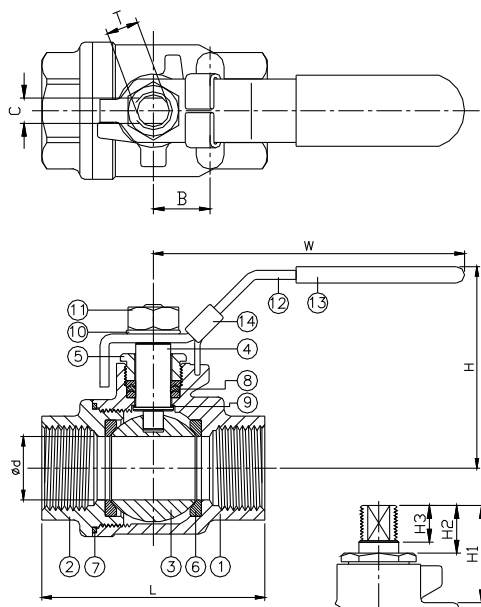
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FEATURES

- Full port
- W.P. : 1/4"~1" - 2000 WOG(PN150)
1-1/4"~2" - 1500 WOG(PN100)
2-1/2"~4" - 1000 WOG(PN63)
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Anti-static device (option)
- Locking device
- Tapped & drilled mounting pad (option)
- Length conform to DIN 3202/4-M3
- 2006M3 (option)

- Thread type : ASTM B1.20.1 (NPT)
DIN2999 & BS21
ISO228/1 & ISO7/1



ITEM	PARTS	MATERIAL	
1	BODY	ASTM A351-CF8M	ASTM A216-WCB
2	CAP		
3	BALL	ASTM A351-CF8M	
4	STEM	ASTM A276-316	
5	GLAND NUT	AISI 304	
6	SEAT	RTFE	
7	SEAL	PTFE	
8	PACKING		
9	THRUST WASHER		
10	SPRING WASHER	AISI 304	
11	NUT		
12	HANDLE		
13	HANDLE SLEEVE	PVC	
14	LOCKING DEVICE	AISI 304	

DN	d	L	H	W	B	C	H1	H2	H3	T	Torque (N-m)	Weight (kg)
8	11.6	60.5	50	102	14	5	32.5	12.5	10.5	5/16"W	4.07	0.26
10	13	60.5	50	102	14	5	32.5	12.5	10.5	5/16"W	4.07	0.28
15	15	64	50	102	14	5	32.5	12.5	10.5	5/16"W	4.41	0.3
20	20	77	62	120	22	6.5	40.5	16	13.5	3/8"W	5.88	0.55
25	25	90	75.5	159	22	8	50	18	15.5	7/16"W	7.35	0.84
32	32	100	81	159	24	8	49	17	15.5	7/16"W	8.82	1.26
40	38	118	98	188	24	9	60	19	17.5	1/2"W	13.2	2
50	50	138	108	188	24	9	62	20	17.5	1/2"W	16.2	3.13
65	65	166.5	136	245	35	12	79	31	30.5	3/4"W	44.1	6
80	80	193	147	245	35	12	78.5	31	30.5	3/4"W	46.6	10.1
100	100	260	183	320	50	16	99	53	42	1"W	-	-

unit:mm

NPS	d	L	H	W	B	C	H1	H2	H3	T	Torque (in-lb)	Weight (lb)
1/4"	0.46	2.38	1.97	4.02	0.55	0.2	1.28	0.49	0.41	5/16"W	36.02	0.57
3/8"	0.51	2.38	1.97	4.02	0.55	0.2	1.28	0.49	0.41	5/16"W	36.02	0.62
1/2"	0.59	2.52	1.97	4.02	0.55	0.2	1.28	0.49	0.41	5/16"W	39.03	0.66
3/4"	0.79	3.03	2.44	4.72	0.87	0.26	1.59	0.63	0.53	3/8"W	52.04	1.21
1"	0.98	3.54	2.97	6.26	0.87	0.31	1.97	0.71	0.61	7/16"W	65.05	1.85
1-1/4"	1.26	3.94	3.19	6.26	0.94	0.31	1.93	0.67	0.61	7/16"W	78.06	2.78
1-1/2"	1.5	4.65	3.86	7.4	0.94	0.35	2.36	0.75	0.69	1/2"W	116.83	4.41
2"	1.97	5.43	4.25	7.4	0.94	0.35	2.44	0.79	0.69	1/2"W	143.38	6.9
2-1/2"	2.56	6.56	5.35	9.65	1.38	0.47	3.11	1.22	1.2	3/4"W	390.32	13.23
3"	3.15	7.6	5.79	9.65	1.38	0.47	3.09	1.22	1.2	3/4"W	412.44	22.27
4"	3.94	10.24	7.2	12.6	1.97	0.63	3.9	2.09	1.65	1"W	-	-

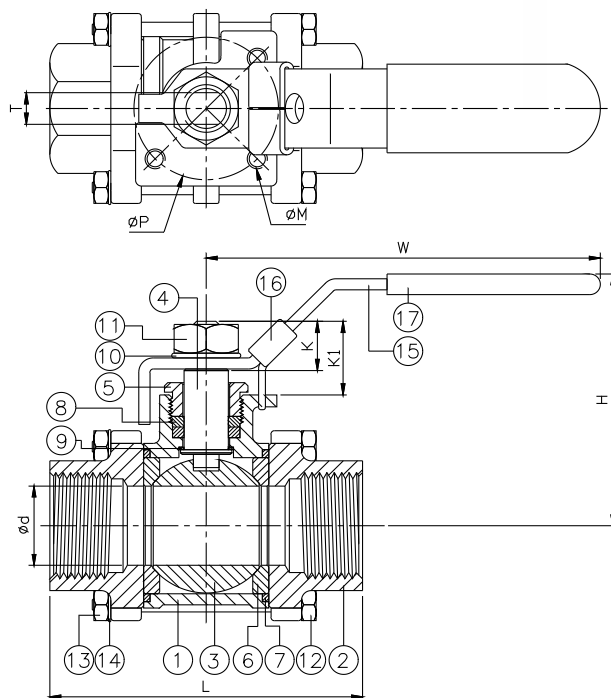
unit:in





FEATURES

- Full port, 1/4"~4" (DN8~DN100)
- W.P. : 1000 WOG (PN63)
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Anti-static device (option)
- Locking device
- ISO 5211 Mounting pad
- Thread type : ASTM B1.20.1 (NPT)
DIN2999 & BS21
ISO228/1 & ISO7/1



ITEM	PARTS	MATERIAL	
1	BODY	ASTM A351-CF8M	ASTM A216-WCB
2	CAP		
3	BALL	ASTM A351-CF8M	
4	STEM	ASTM A276-316	
5	GLAND NUT	AISI 304	
6	SEAT	PTFE	
7	SEAL		
8	PACKING		
9	THRUST WASHER	AISI 304	
10	SPRING WASHER		
11	STEM NUT		
12	BOLT		
13	BOLT NUT		
14	SPRING WASHER		
15	HANDLE		
16	LOCKING DEVICE	PVC	
17	HANDLE SLEEVE		

DN	d	L	H	W	P	M	K	K1	T	ISO 5211	Torque (N-M)	Weight (kg)
8	11.6	64.5	54	119	36	M5	10.5	15.2	5	F03	4	0.45
10	12.7	64.5	54	119	36	M5	10.5	15.2	5	F03	4	0.43
15	15	66	57	119	36	M5	10.5	16.2	5	F03	4	0.7
20	20	83.4	63	135.5	36	M5	13.5	20.7	6.5	F03	7	0.9
25	25	95	81	158.5	42	M5	15.5	24.7	8	F04	7.5	1.35
32	32	111.2	86	158.5	50	M6	15.5	21.7	8	F05	11	2.2
40	38	129.8	96	188	50	M6	17.5	26.7	9	F05	17	2.9
50	50	151	109	198	70	M8	17.5	26.7	9	F07	45	4.6
65	65	184	133	280	102	M12	33	42.2	12	F10	59	8.6
80	80	209	149	320	102	M12	33	40.2	12	F10	90	15.5
100	100	234.4	171	312	102	M12	42	54	16	F10	160	27.5

unit:mm

NPS	d	L	H	W	P	M	K	K1	T	ISO 5211	Torque (in-lb)	Weight (lb)
1/4"	0.46	2.54	2.13	4.69	1.42	M5	0.41	0.6	0.2	F03	35	0.99
3/8"	0.5	2.54	2.13	4.69	1.42	M5	0.41	0.6	0.2	F03	35	0.95
1/2"	0.59	2.6	2.24	4.69	1.42	M5	0.41	0.64	0.2	F03	35	1.54
3/4"	0.79	3.28	2.48	5.33	1.42	M5	0.53	0.81	0.26	F03	62	1.98
1"	0.98	3.74	3.19	6.24	1.65	M5	0.61	0.97	0.31	F04	66	2.98
1-1/4"	1.26	4.38	3.39	6.24	1.97	M6	0.61	0.85	0.31	F05	97	4.85
1-1/2"	1.5	5.11	3.78	7.4	1.97	M6	0.69	1.05	0.35	F05	150	6.39
2"	1.97	5.94	4.29	7.8	2.76	M8	0.69	1.05	0.35	F07	398	10.14
2-1/2"	2.56	7.24	5.24	11.02	4.02	M12	1.3	1.66	0.47	F10	522	18.96
3"	3.15	8.23	5.87	12.6	4.02	M12	1.3	1.58	0.47	F10	797	34.18
4"	3.94	9.23	6.73	12.28	4.02	M12	1.65	2.13	0.63	F10	1416	60.64

unit:in



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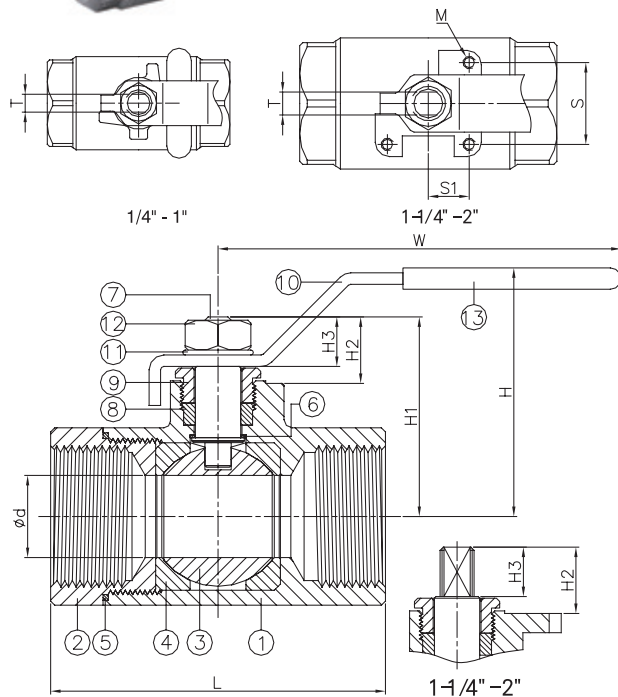
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2-PC. SCREWED END BALL VALVE

2007A



FEATURES

- Standard port
- W.P. : 1/4"~1" - 2000 WOG (PN150)
1-1/4"~2" - 1500 WOG (PN100)
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Anti-static device (option)
- Locking device
- Tapped & drilled mounting pad (option)
- Thread type : ASME B1.20.1 (NPT)
DIN2999 & BS21
ISO7/1 & EN10226

ITEM	PARTS	MATERIAL	
1	BODY	ASTM A351-CF8M	ASTM A216-WCB
2	CAP		
3	BALL	ASTM A351-CF8M	
4	SEAT	RTFE	
5	SEAL	PTFE	
6	THRUST WASHER		
7	STEM	ASTM A276-316	
8	PACKING	PTFE	
9	GLAND NUT	AISI 304	
10	HANDLE		
11	SPRING WASHER		
12	NUT	PVC	
13	HANDLE SLEEVE		

DN	d	L	W	H	H1	H2	H3	S1	S	M	T	Torque (N-M)	Weight (kg)
8	11.1	56.8	113	52.3	42	17.8	12	-	-	-	5.5	3.6	0.4
10	12.7	56.8	113	52.3	42	17.8	12	-	-	-	5.5	3.6	0.4
15	12.7	59.7	113	52.3	42	17.8	12	-	-	-	5.5	3.6	0.4
20	17.5	79.6	124.5	59.8	52.8	22.8	14.5	-	-	-	6.3	6.8	0.6
25	22.3	85	124.5	62.5	55.5	22.8	14.5	-	-	-	6.3	11	0.8
32	25.4	103	141.5	85.4	73.7	30.8	20.6	17.7	35.4	M6	9.5	17.4	1.5
40	31.8	111	141.5	90.2	78.5	31.3	20.6	17.7	35.4	M6	9.5	22.7	1.9
50	38.1	137	183	94.8	85.6	29.1	20.6	17.7	35.4	M6	9.5	39.5	2.7

unit:mm

NPS	d	L	W	H	H1	H2	H3	S1	S	M	T	Torque (in-lb)	Weight (lb)
1/4"	0.44	2.24	4.45	2.06	1.65	0.7	0.47	-	-	-	0.22	31.9	0.8
3/8"	0.5	2.24	4.45	2.06	1.65	0.7	0.47	-	-	-	0.22	31.9	0.8
1/2"	0.5	2.35	4.45	2.06	1.65	0.7	0.47	-	-	-	0.22	31.9	0.8
3/4"	0.69	3.13	4.9	2.35	2.08	0.9	0.57	-	-	-	0.25	60.2	1.4
1"	0.88	3.35	4.9	2.46	2.19	0.9	0.57	-	-	-	0.25	97.4	1.7
1-1/4"	1	4.06	5.57	3.36	2.9	1.21	0.81	0.7	1.39	M6	0.37	154	3.3
1-1/2"	1.25	4.37	5.57	3.55	3.09	1.23	0.81	0.7	1.39	M6	0.37	200.9	4.2
2"	1.5	5.39	7.2	3.73	3.37	1.15	0.81	0.7	1.39	M6	0.37	349.6	6

unit:in

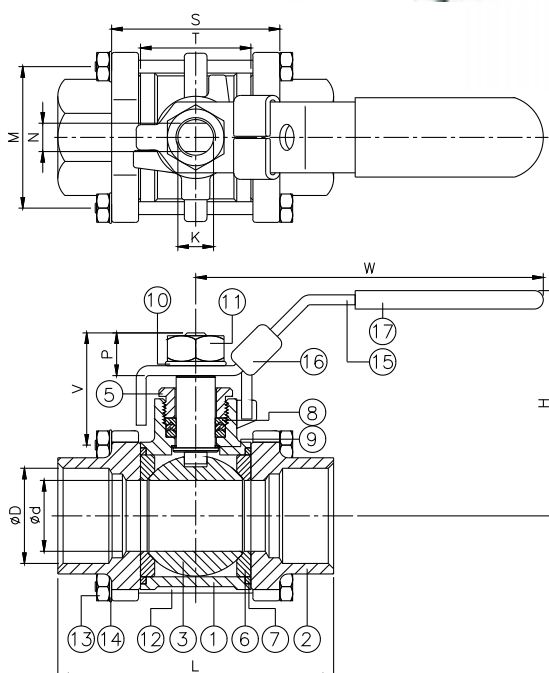




FEATURES

- Full port, 1/4"~4" (DN8~DN100)
- W.P. : 1000 WOG (PN63)
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Anti-static device (option)
- Locking device

- Socket weld ends conform to ANSI B16.11 & DIN 3239 part2



ITEM	PARTS	MATERIAL		
1	BODY	ASTM A351-CF8M	ASTM A216-WCB	
2	CAP			
3	BALL	ASTM A351-CF8M		
4	STEM	ASTM A276-316		
5	GLAND NUT	AISI 304		
6	SEAT	PTFE		
7	SEAL			
8	PACKING			
9	THRUST WASHER			
10	SPRING WASHER	AISI 304		
11	STEM NUT			
12	BOLT			
13	BOLT NUT			
14	SPRING WASHER			
15	HANDLE	PVC		
16	LOCKING DEVICE			
17	HANDLE SLEEVE			

DN	d	D	L	H	W	S	T	M	N	V	P	K	Weight (kg)
8	11.6	14	64.5	54	102	35.5	21.5	29	5	29.7	10.5	5/16"W	0.41
10	12.7	18	64.5	54	102	35.5	21.5	29	5	29.7	10.5	5/16"W	0.41
15	15	22	66	57	102	38	24	33.2	5	30.1	10.5	5/16"W	0.52
20	20	27.6	83.5	66	120.5	43	28	37.5	6.5	36.5	13.5	3/8"W	0.71
25	25	34.5	95	76	158.5	54	35	42.4	8	40.6	15.5	7/16"W	1.08
32	32	43	111.2	81	158.5	65	45	50.9	8	41.8	15.5	7/16"W	1.71
40	38	49.5	130	98	188	75	55	59.4	9	48.5	17.5	1/2"W	2.35
50	50	61.5	151	106	188	88	66	73.5	9	49.4	17.5	1/2"W	3.55
65	65	74	183	138	245	114	86	96.2	12	72.1	33	3/4"W	8.9
80	80	90	210.4	154	245	132	100	81	12	65.6	33	3/4"W	14.3
100	100	115.5	234.4	178	320	158	125	102	16	78.2	39	1"W	23.4

unit:mm

NPS	d	D	L	H	W	S	T	M	N	V	P	K	Weight (lb)
1/4"	0.46	0.55	2.54	2.13	4.02	1.4	0.85	1.14	0.2	1.17	0.41	5/16"W	0.9
3/8"	0.5	0.71	2.54	2.13	4.02	1.4	0.85	1.14	0.2	1.17	0.41	5/16"W	0.9
1/2"	0.59	0.87	2.6	2.24	4.02	1.5	0.94	1.31	0.2	1.19	0.41	5/16"W	1.15
3/4"	0.79	1.09	3.29	2.6	4.74	1.69	1.1	1.48	0.26	1.44	0.53	3/8"W	1.57
1"	0.98	1.36	3.74	2.99	6.24	2.13	1.38	1.67	0.31	1.6	0.61	7/16"W	2.38
1-1/4"	1.26	1.69	4.38	3.19	6.24	2.56	1.77	2	0.31	1.65	0.61	7/16"W	3.77
1-1/2"	1.5	1.95	5.12	3.86	7.4	2.95	2.17	2.34	0.35	1.91	0.69	1/2"W	5.18
2"	1.97	2.42	5.94	4.17	7.4	3.46	2.6	2.89	0.35	1.94	0.69	1/2"W	7.83
2-1/2"	2.56	2.91	7.2	5.43	9.65	4.49	3.39	3.79	0.47	2.84	1.3	3/4"W	19.62
3"	3.15	3.54	8.28	6.06	9.65	5.2	3.94	3.19	0.47	2.58	1.3	3/4"W	31.53
4"	3.94	4.55	9.23	7.01	12.6	6.22	4.92	4.02	0.63	3.08	1.54	1"W	51.6

unit:in



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3-WAY SCREWED END BALL VALVE

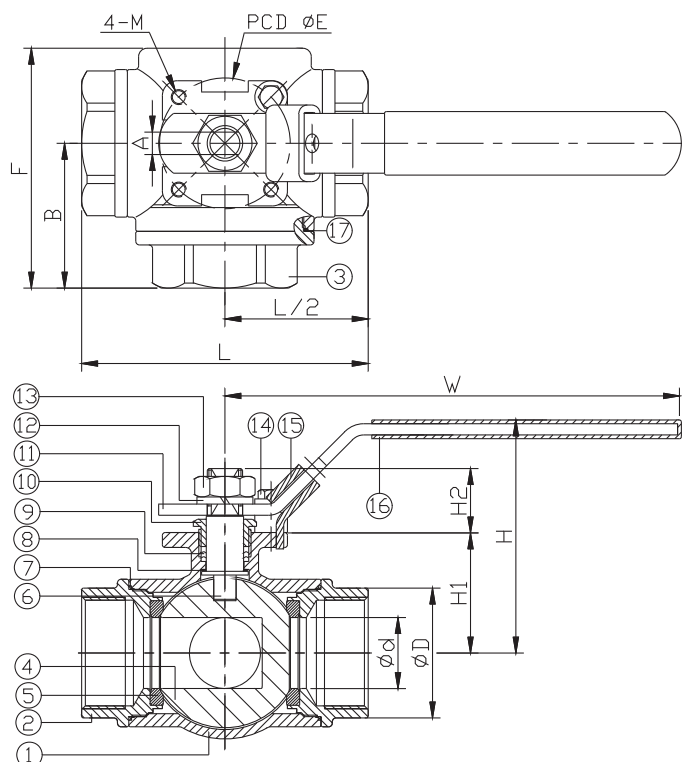
2057N



FEATURES

- **L port / T port**, 1/4"~2" (DN8~DN50)
- W.P. : 1000 WOG (PN63)
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Locking device
- Anti-static device (option)
- ISO 5211 Mounting pad

- Thread type : ASME B1.20.1 (NPT)
DIN2999 & BS21
ISO228/1 & ISO7/1



ITEM	PARTS	MATERIALS	
1	BODY	ASTM A351-CF8M	ASTM A216-WCB
2	CAP-B		
3	CAP-A		
4	BALL	ASTM A351-CF8M	
5	SEAT	PTFE	
6	STEM	AISI 316	
7	SEAL-B	PTFE	
8	THRUST WASHER		
9	PACKING		
10	GLAND	AISI 304	
11	HANDLE		
12	SPRING WASHER		
13	STEM NUT		
14	PIN		
15	LOCK DEVICE	PVC	
16	HANDLE SLEEVE		
17	SEAL-A		
		PTFE	

DN	d	D	L	B	F	H	W	E	M	H1	H2	A	ISO 5211	Torque (N-M)
8	11.6	25.5	76	37.3	58.5	67	150	42	M5	29.1	18.3	8	F04	6
10	12.5	25.5	76	37.3	58.5	67	150	42	M5	29.1	18.3	8	F04	6
15	12.5	25.5	76	37.3	58.5	67	150	42	M5	29.1	18.3	8	F04	6
20	16	32	86	44	72.1	77	150	42	M5	38.5	20.3	8	F04	8
25	20	38.5	99.1	49	81.8	83	180	50	M6	43	23.2	9.5	F05	9.5
32	25	48.5	117.4	57	94.7	88	180	50	M6	47.8	23.2	9.5	F05	24
40	32	58.5	123.8	61.3	103.9	116	243.5	70	M8	55.7	34.2	12	F07	26
50	38	69.5	148	74.3	125.5	124	243.5	70	M8	64.5	34.2	12	F07	33

unit:mm

NPS	d	D	L	B	F	H	W	E	M	H1	H2	A	ISO 5211	Torque (in-lb)
1/4"	0.46	1	2.99	1.47	2.3	2.64	5.91	1.65	M5	1.15	0.72	0.31	F04	53.1
3/8"	0.49	1	2.99	1.47	2.3	2.64	5.91	1.65	M5	1.15	0.72	0.31	F04	53.1
1/2"	0.49	1	2.99	1.47	2.3	2.64	5.91	1.65	M5	1.15	0.72	0.31	F04	53.1
3/4"	0.63	1.26	3.39	1.73	2.84	3.03	5.91	1.65	M5	1.52	0.8	0.31	F04	70.81
1"	0.79	1.52	3.9	1.93	3.22	3.27	7.09	1.97	M6	1.69	0.91	0.37	F05	84.08
1-1/4"	0.98	1.91	4.62	2.24	3.73	3.46	7.09	1.97	M6	1.88	0.91	0.37	F05	212.42
1-1/2"	1.26	2.3	4.87	2.41	4.09	4.57	9.59	2.76	M8	2.19	1.35	0.47	F07	230.12
2"	1.5	2.74	5.83	2.93	4.94	4.88	9.59	2.76	M8	2.54	1.35	0.47	F07	292.07

unit:in



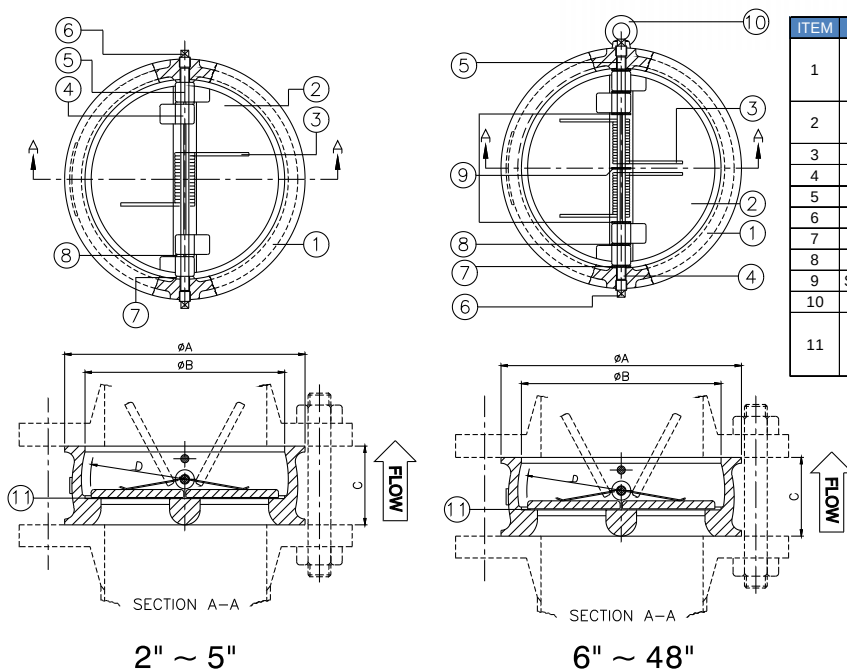
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[Http://www.haitima.com.tw](http://www.haitima.com.tw)
Email: haitima@seed.net.tw



FEATURES

- 2"~48" (DN50~DN1200)
- W.P. : PN10/16/40
CLASS 150/300/600
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Metal to metal (option)



ITEM	PARTS	MATERIAL
1	BODY	ASTM A351-CF8M
		ASTM A216 WCB
		DUCTILE IRON
2	PLATE	A216 WCB / A351 CF8
3	SPRING	A351 CF8M / A351 CF3M
4	HINGE PIN	AISI 316 WPA
5	STOP PIN	AISI 304 / AISI 316
6	PLUG	S25C
7	BODY BEARING	TEFLON
8	PLATE BEARING	
9	SPRING BEARING	
10	EYE BOLT	SS41
11	BODY SEAT	NBR / EPDM / VITON
		SAME MATERIALS AS THE PLATE
		410SS OVERLAY / STELLITY #6 OVERLAY

PN16

DN	A	B	C	D	WEIGHT(kg)
50	109	60	54	32	3
65	129	73	54	37	4
80	144	89	57	45	5
100	164	114	64	53	6
125	194	141	70	67	9
150	220	168	76	79	10
200	275	219	95	105	19
250	331	273	108	123	31
300	386	324	143	155	56
350	446	356	184	170	71
400	498	406	191	195	99
450	558	457	203	219	118
500	620	508	213	244	180
600	737	610	222	292	258
700	807	711	321	337	580
800	914	813	356	397	526
900	1014	914	368	440	656
1000	1131	1016	419	495	1010
1200	1345	1219	524	603	1926

unit:mm

NPS	A	B	C	D	WEIGHT(lb)
2"	4.29	2.36	2.13	1.26	6.61
2-1/2"	5.08	2.87	2.13	1.46	8.82
3"	5.67	3.50	2.24	1.77	11.02
4"	6.46	4.49	2.52	2.09	13.23
5"	7.64	5.55	2.76	2.64	19.84
6"	8.66	6.61	2.99	3.11	22.05
8"	10.83	8.62	3.74	4.13	41.89
10"	13.03	10.75	4.25	4.84	68.34
12"	15.20	12.76	5.63	6.10	123.46
14"	17.56	14.02	7.24	6.69	156.53
16"	19.61	15.98	7.52	7.68	218.26
18"	21.97	17.99	7.99	8.62	260.15
20"	24.41	20.00	8.39	9.61	396.83
24"	29.02	24.02	8.74	11.50	568.79
28"	31.77	27.99	12.64	13.27	1278.68
32"	35.98	32.01	14.02	15.63	1159.63
36"	39.92	35.98	14.49	17.32	1446.23
40"	44.53	40.00	16.50	19.49	2226.67
48"	52.95	47.99	20.63	23.74	4246.10

unit:in



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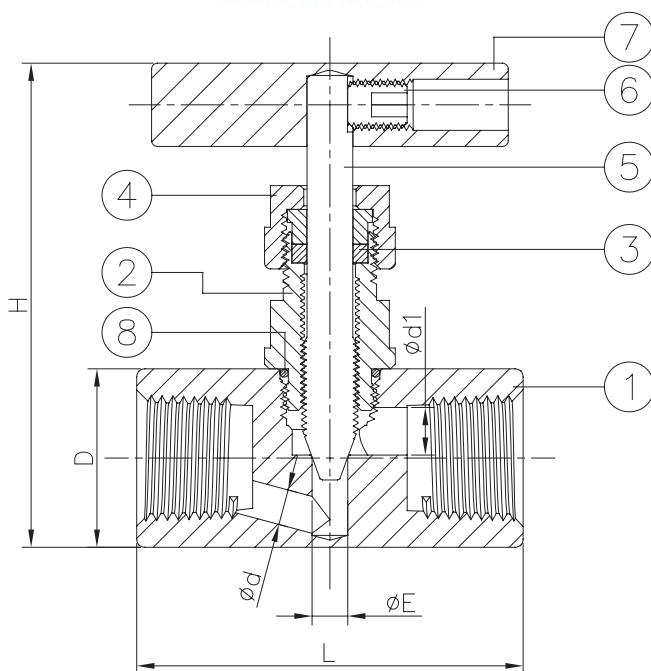
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FEATURES

- 1/4"~1" (DN8~DN25)
- W.P. : 6000 PSI
10000 PSI
- W.T. : -20°C~200°C (-4°F~392°F)
- Thread type : ASTM B1.20.1 (NPT)
DIN2999 & BS21
ISO7/1 & EN10226



ITEM	PARTS	MATERIAL
1	BODY	ASTM A351-CF8M
2	BONNET	AISI 304
3	PACKING	TEFLON
4	NUT	AISI 304
5	STEM	AISI 304 / AISI 316
6	SCREW	AISI 304
7	HANDLE	
8	O-RING	VITON

DN	H	L	D	d	E	d1	Weight (Kg)	CV
8	77	45.5	22	5	6	5	0.3	0.8
10	78	59	25	5	6	6.3	0.4	0.9
15	81	65	30	6	6	8	0.5	1.2
20	113	70	35	8	8	10	0.8	1.3
25	117	80	45	8	8	12	1.3	1.8

unit:mm

NPS	H	L	D	d	E	d1	Weight (lb)	CV
1/4"	3.03	1.79	0.87	0.2	0.24	0.2	0.7	0.8
3/8"	3.07	2.32	0.98	0.2	0.24	0.25	0.9	0.9
1/2"	3.19	2.56	1.18	0.24	0.24	0.31	1.1	1.2
3/4"	4.45	2.76	1.38	0.31	0.31	0.39	1.8	1.3
1"	4.61	3.15	1.77	0.31	0.31	0.47	2.9	1.8

unit:in