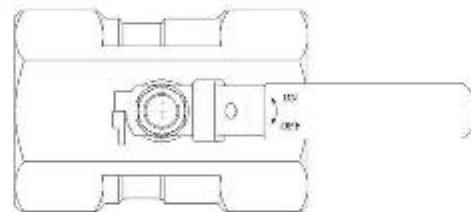




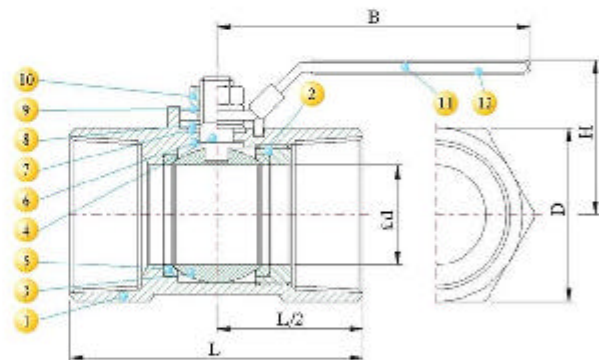
DESIGN FEATURES:

- Steam rating: 125 psi WSP
- Blow-out-proof stem design
- Padlocking device
- Body: ASTM A351 Gr.CF8M
- Stem: SS316
- Seat: PTFE
- End Connections: Threaded End
- Working Pressure: 1000 psi
- Temperature Range: -50° to 400° F
- TEST STANDARD: API 598
- Vacuum Service to 29" Hg
- Threaded Type:
ANSI B1.20.1 (NPT)
DIN 259/DIN 2999
ISO 228
BSP
PT

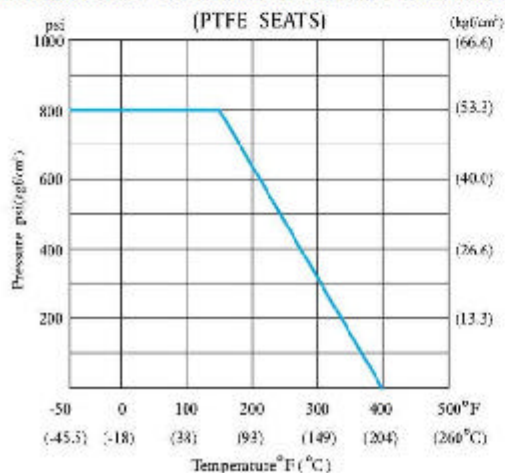


MATERIALS LIST

NO.	PART NAME	MATERIAL	QTY
1	BODY	ASTM A351 Gr.CF8M	1
2	CAP	ASTM A351 Gr.CF8M	1
3	BALL	ASTM A351 Gr.CF8M	1
4	STEM	ASTM A276 Gr.316	1
5	SEAT	PTFE	2
6	THRUST WASHER	PTFE	1
7	PACKING	PTFE	1
8	WASHER	SS304	2
9	SPRING WASHER	SS304	1
10	HANDLE NUT	SS304	1
11	HANDLE	SS304	1
12	HANDLE SLEEVE	VINYL GRIP	1
13	LOCKING PLATE	SS304	1



PRESSURE TEMPERATURE RATINGS



DIMENSIONS

SIZE d				B		D		L		H		Cv Factor	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		Kg	Lb
1/4"	8	0.20	5.0	2.36	60	0.57	17.0	1.54	39.0	1.22	31	1	0.08	0.18
3/8"	10	0.28	7.0	2.76	70	0.83	21.0	1.73	44.0	1.38	35	2	0.11	0.24
1/2"	15	0.36	9.2	3.39	86	0.98	25.0	2.22	56.0	1.69	43	4	0.17	0.38
3/4"	20	0.49	12.5	3.39	86	1.26	32.0	2.32	59.0	1.81	45	7	0.25	0.55
1"	25	0.63	16.0	4.09	104	1.50	38.0	2.80	71.0	1.97	50	10	0.45	0.99
1 1/4"	32	0.79	20.0	4.09	104	1.93	49.0	3.11	79.0	2.13	54	17	0.74	1.63
1 1/2"	40	0.96	24.5	4.96	126	2.09	53.0	3.27	83.0	2.56	65	26	0.83	1.83
2"	50	1.26	32.0	4.96	126	2.56	65.0	3.94	100.0	2.83	72	45	1.25	2.75

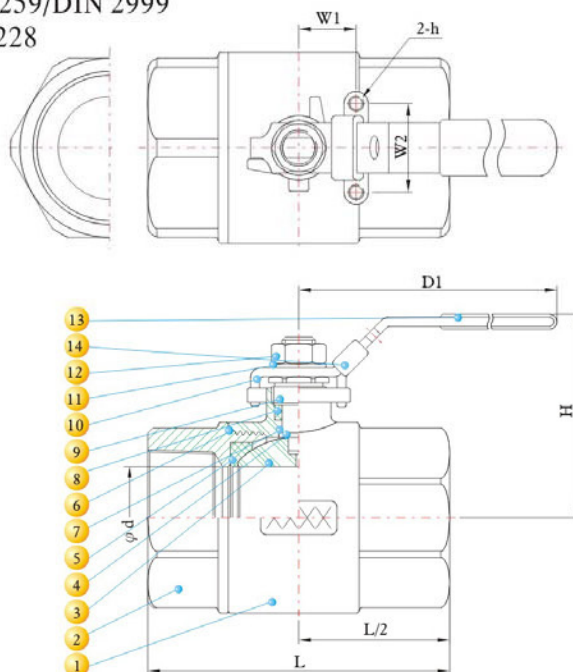


MATERIALS LIST

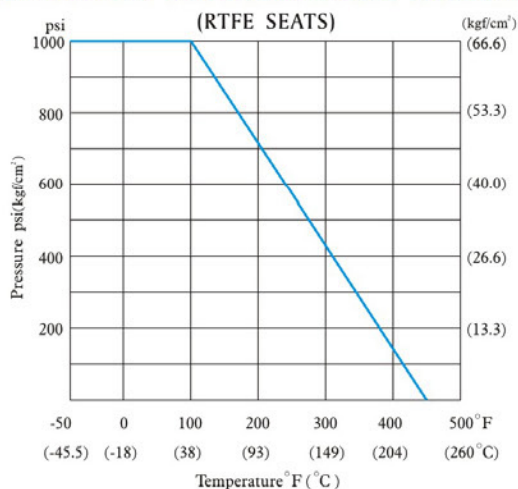
NO.	PART NAME	MATERIAL	Q'TY
1	BODY	ASTM A351 Gr.CF8M	1
2	CAP	ASTM A351 Gr.CF8M	1
3	BALL	ASTM A351 Gr.CF8M	1
4	STEM	ASTM A276 Gr.316	1
5	SEAT	PTFE+15% G/F	2
6	GASKET	PTFE	1
7	THRUST WASHER	PTFE	1
8	PACKING	PTFE	1
9	GLAND	SS304	1
10	HANDLE	SS304	1
11	SPRING WASHER	SS304	1
12	HANDLE NUT	SS304	1
13	HANDLE SLEEVE	VINYL GRIP	1
14	LOCKING PLATE	SS304	1

DESIGN FEATURES:

- Steam rating: 150 psi WSP, Vacuum service : 29 inches Hg
- Blow-out-proof stem design
- Body: ASTM A351 Gr.CF8M
- Ball: SS316
- Stem: SS316
- Seat: Reinforced Teflon
- End Connections: Threaded End
- Working Pressure: 1000 psi
- Temperature Range: -50° to 450° F
- Options: Padlocking device
Tapping for Actuator
- Threaded Type:
ANSI B1.20.1 (NPT)
DIN 259/DIN 2999
ISO 228
BSP
PT



PRESSURE TEMPERATURE RATINGS



DIMENSIONS

SIZE		d		L		H		D1		W1		W2		h	Cv	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	(Option)		Factor	Kg
1/4"	8	0.43	11.0	2.34	59.5	2.11	53.5	4.06	103	0.50	12.7	1.12	28.5	M5*p0.8	16	0.35	0.77
3/8"	10	0.49	12.5	2.34	59.5	2.22	56.4	4.06	103	0.50	12.7	1.12	28.5	M5*p0.8	16	0.34	0.75
1/2"	15	0.59	15.0	2.50	63.5	2.17	55.0	4.06	103	0.50	12.7	1.12	28.5	M5*p0.8	26	0.36	0.79
3/4"	20	0.79	20.0	3.02	76.7	2.60	66.0	5.00	127	0.88	22.4	1.38	35.0	M6*p1.0	55	0.65	1.43
1"	25	0.98	25.0	3.56	90.5	2.80	71.0	5.00	127	0.88	22.4	1.38	35.0	M6*p1.0	110	0.93	2.05
1 1/4"	32	1.26	32.0	3.88	98.5	3.50	89.0	6.02	153	1.00	25.4	1.50	38.1	M6*p1.0	180	1.65	3.64
1 1/2"	40	1.50	38.0	4.65	118.0	3.62	92.0	6.02	153	1.00	25.4	1.50	38.1	M6*p1.0	270	2.26	4.98
2"	50	2.00	50.8	5.35	136.0	4.21	107.0	7.60	193	1.00	25.4	1.50	38.1	M6*p1.0	500	3.62	7.97

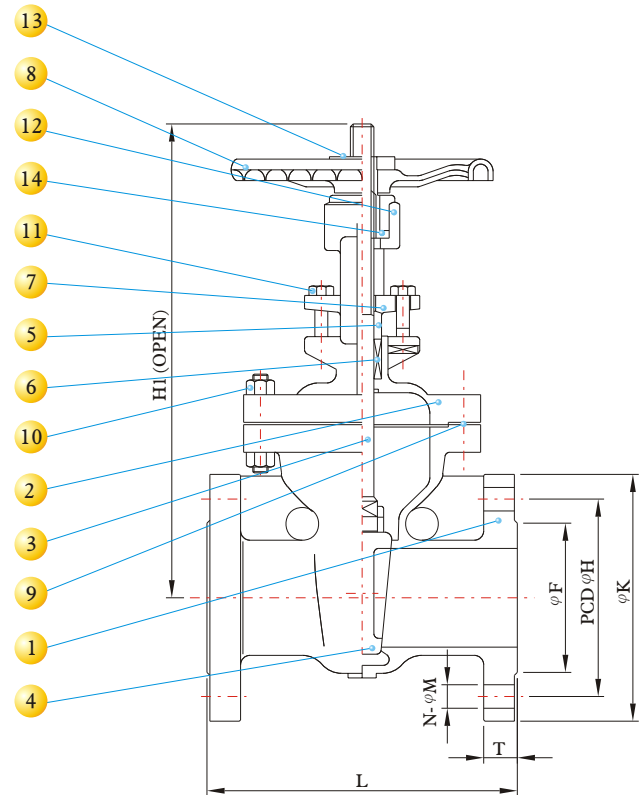


DESIGN FEATURES:

- Rising Stem
- O.S. & Yoke, Flexible Wedge
- Body: ASTM A351 Gr.CF8M
- Disc: ASTM A351 Gr.CF8M
- Stem: SS316
- Packing: PTFE
- End Type: Flange End
- Face to Face: ANSI B16.10
- Flange Dimensions: ANSI B16.5 150
- Wall Thickness: ANSI B16.34

MATERIALS LIST

NO.	PART NAME	MATERIAL	Q'TY
1	BODY	ASTM A351 Gr.CF8M	1
2	BONNET	ASTM A351 Gr.CF8M	1
3	STEM	ASTM A276 Gr.316	1
4	DISC	ASTM A351 Gr.CF8M	1
5	GLAND	ASTM A351 Gr.CF8	1
6	GLAND PACKING	PTFE	1
7	GLAND FLANGE	ASTM A351 Gr.CF8	1
8	HAND WHEEL	ASTM A536 Gr.B65-45-12	1
9	GASKET	PTFE (OR NON ASBESTOS)	1
10	BONNET BOLT/NUT	ASTM A193 Gr.B8/ASTM A194 Gr.8	4-16
11	GLAND BOLT/NUT	ASTM A193 Gr.B8/ASTM A194 Gr.8	2
12	YOKE SLEEVE	BRONZE (OR DUCTILENI-RESIST)	1
13	HAND WHEEL NUT	STEEL	1
14	YOKE SLEEVE NUT	SS304	1

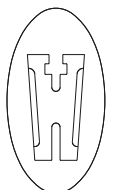


DIMENSIONS

SIZE		L		H1		K		H		F		T		M		N	Cv Factor	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			Kg	Lb
1/2"	15	4.25	108	8.03	204	3.94	100	2.38	60.5	1.38	35	0.44	11.2	0.62	15.7	4	19	3.40	7.49
3/4"	20	4.61	117	8.23	209	3.94	100	2.76	70.0	1.69	43	0.44	11.2	0.62	15.7	4	36	4.50	9.91
1"	25	5.00	127	9.02	229	3.94	100	3.13	79.5	2.01	51	0.44	11.2	0.62	15.7	4	57	5.50	12.11
1 1/2"	40	6.50	165	11.14	283	5.51	140	3.88	98.5	2.87	73	0.56	14.3	0.62	15.7	4	120	9.00	19.82
2"	50	7.01	178	13.07	332	6.30	160	4.74	120.5	3.62	92	0.63	15.9	0.75	19.0	4	140	11.50	25.33
2 1/2"	65	7.48	190	15.63	397	7.09	180	5.49	139.5	4.13	105	0.69	17.5	0.75	19.0	4	240	18.00	39.65
3"	80	7.99	203	17.28	439	7.87	200	6.00	152.5	5.00	127	0.75	19.1	0.75	19.0	4	360	20.00	44.05
4"	100	9.02	229	20.39	518	8.82	224	7.50	190.5	6.18	157	0.94	23.9	0.75	19.0	8	580	30.00	66.08
5"	125	10.00	254	24.45	621	9.84	250	8.52	216.5	7.32	186	0.94	23.9	0.88	22.3	8	950	44.00	96.92
6"	150	10.51	267	28.11	714	11.02	280	9.51	241.5	8.50	216	1.00	25.4	0.88	22.3	8	2400	56.00	123.35
8"	200	11.50	292	35.98	914	11.81	300	11.75	298.5	10.63	270	1.13	28.6	0.88	22.3	8	4200	82.00	180.62
10"	250	12.99	330	43.62	1108	13.98	355	14.25	362.0	12.76	324	1.19	30.2	1.00	25.4	12	6800	132.00	290.75
12"	300	14.02	356	61.14	1553	23.62	600	17.01	432.0	15.00	381	1.25	31.8	1.00	25.4	12	9900	196.50	432.82



UNDER-3"



4"-UP

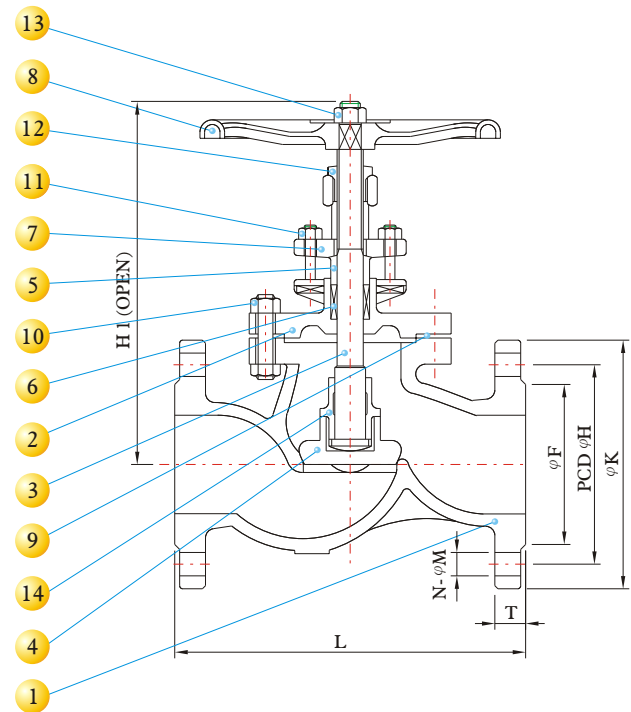


DESIGN FEATURES:

- Rising Stem
- Body: ASTM A 351 Gr.CF8M
- Disc: ASTM A 351 Gr.CF8M
- Stem: SS316
- End Type: Flange End
- Face to Face: ANSI B16.10
- Flange Dimensions: ANSI B16.5 150
- Wall Thickness: ANSI B16.34

MATERIALS LIST

NO.	PART NAME	MATERIAL	Q'TY
1	BODY	ASTM A351 Gr.CF8M	1
2	BONNET	ASTM A351 Gr.CF8M	1
3	STEM	ASTM A276 Gr.316	1
4	DISC	ASTM A351 Gr.CF8M	1
5	GLAND	ASTM A351 Gr.CF8	1
6	GLAND PACKING	PTFE	1
7	GLAND FLANGE	ASTM A351 Gr.CF8	1
8	HAND WHEEL	ASTM A536 Gr.B65-45-12	1
9	GASKET	PTFE (OR NON ASBESTOS)	1
10	BONNET BOLT/NUT	ASTM A193 Gr.B8/ASTM A194 Gr.8	4-16
11	GLAND BOLT/NUT	ASTM A193 Gr.B8/ASTM A194 Gr.8	2
12	YOKE SLEEVE	BRONZE (OR DUCTILENI-RESIST)	1
13	HAND WHEEL NUT	STEEL	1
14	DISC GLAND	SS316	1



DIMENSIONS

SIZE		L		H1		K		H		F		T		M		N	Cv Factor	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			Kg	Lb
1/2"	15	4.25	108	6.77	172	3.94	100	2.38	60.5	1.38	35	0.44	11.2	0.62	15.7	4	5.0	3.00	6.61
3/4"	20	4.61	117	6.77	172	3.94	100	2.76	70.0	1.69	43	0.44	11.2	0.62	15.7	4	8.5	3.50	7.71
1"	25	5.00	127	6.89	175	3.94	100	3.13	79.5	2.01	51	0.44	11.2	0.62	15.7	4	11.0	4.40	9.69
1 1/4"	32	5.50	140	8.78	223	4.62	117	3.50	88.9	2.50	64	0.50	12.7	0.62	15.7	4	16.0	6.75	14.87
1 1/2"	40	6.50	165	8.15	207	5.51	140	3.88	98.5	2.87	73	0.56	14.3	0.62	15.7	4	19.0	7.90	17.40
2"	50	7.99	203	9.13	232	6.30	160	4.74	120.5	3.62	92	0.63	15.9	0.75	19.0	4	32.0	11.40	25.11
2 1/2"	65	8.50	216	10.75	273	7.09	180	5.49	139.5	4.13	105	0.69	17.5	0.75	19.0	4	48.0	17.00	37.44
3"	80	9.49	241	11.93	303	7.87	200	6.00	152.5	5.00	127	0.75	19.1	0.75	19.0	4	80.0	20.50	45.15
4"	100	9.02	229	13.39	340	8.82	224	7.50	190.5	6.18	157	0.94	23.9	0.75	19.0	8	110.0	31.00	68.28
5"	125	14.02	356	15.16	385	9.84	250	8.50	216.0	7.32	186	0.94	23.9	0.88	22.3	8	190.0	45.00	99.12
6"	150	15.98	406	17.64	448	11.81	300	9.51	241.5	8.50	216	1.00	25.4	0.88	22.3	8	450.0	60.00	132.16
8"	200	19.49	495	21.46	545	13.98	355	11.75	298.5	10.63	270	1.13	28.6	0.88	22.3	8	800.0	100.00	220.26
10"	250	24.49	622	26.22	666	17.72	450	14.25	362.0	12.76	324	1.19	30.2	1.00	25.4	12	1200.0	173.00	381.06

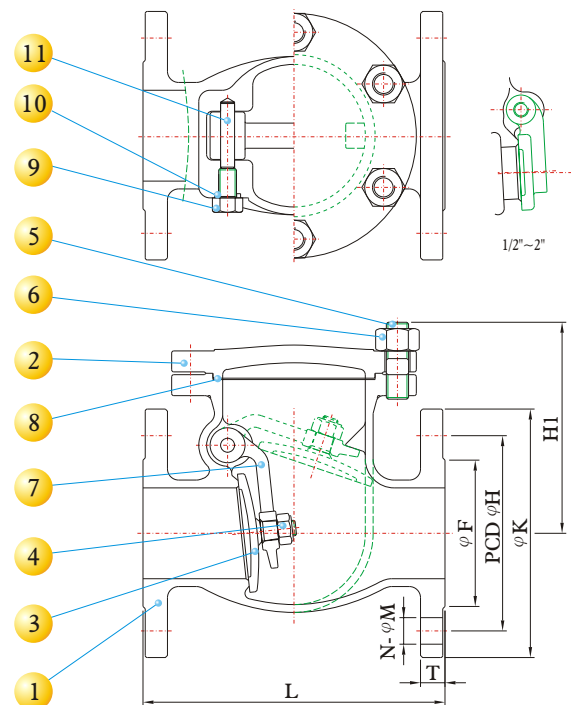


DESIGN FEATURES:

- Swing Type
- Body: ASTM A 351 Gr.CF8M
- Disc: ASTM A 351 Gr.CF8M
- End Type: Flange End
- Face to Face: ANSI B16.10
- Flange Dimensions: ANSI B16.5 150
- Wall Thickness: ANSI B16.34

MATERIALS LIST

NO.	PART NAME	MATERIAL	QTY
1	BODY	ASTM A351 Gr.CF8M	1
2	COVER	ASTM A351 Gr.CF8M	1
3	DISC	ASTM A351 Gr.CF8M	1
4	DISC NUT	ASTM A194 Gr.8	1
5	COVER BOLT	ASTM A193 Gr.B8	4 - 12
6	COVER NUT	ASTM A194 Gr.8	4 - 12
7	ARM	ASTM A351 Gr.CF8M	1
8	GASKET	PTFE	1
9	PLUG	SS316	1
10	PLUG GASKET	SS304	1
11	HINGE PIN	SS316	1



DIMENSIONS

SIZE		L		H1		K		H		F		T		M		N	Cv Factor	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			Kg	Lb
1/2"	15	4.25	108	2.87	73	3.50	89	2.38	60.5	1.38	35	0.44	11.2	0.62	15.7	4	9.5	2.30	5.07
3/4"	20	4.61	117	2.95	75	3.86	98	2.76	70.0	1.69	43	0.44	11.2	0.62	15.7	4	16	2.80	6.17
1"	25	5.00	127	3.15	80	4.25	108	3.13	79.5	2.01	51	0.44	11.2	0.62	15.7	4	27	4.30	9.47
1 1/2"	40	6.50	165	4.37	111	5.00	127	3.88	98.5	2.87	73	0.56	14.3	0.62	15.7	4	51	6.50	14.32
2"	50	7.99	203	4.84	123	5.98	152	4.74	120.5	3.62	92	0.63	15.9	0.75	19.0	4	70	9.30	20.48
2 1/2"	65	8.50	216	5.28	134	7.01	178	5.49	139.5	4.13	105	0.69	17.5	0.75	19.0	4	120	15.00	33.04
3"	80	9.49	241	5.83	148	7.48	190	6.00	152.5	5.00	127	0.75	19.1	0.75	19.0	4	170	18.00	39.65
4"	100	11.50	292	6.22	158	9.02	229	7.50	190.5	6.18	157	0.94	23.9	0.75	19.0	8	250	26.80	59.03
5"	125	12.99	330	7.56	192	10.00	254	8.50	216.0	7.32	186	0.94	23.9	0.88	22.3	8	470	35.00	77.09
6"	150	14.02	356	8.78	223	10.98	279	9.51	241.5	8.50	216	1.00	25.4	0.88	22.3	8	1100	49.30	108.59
8"	200	19.49	495	11.14	283	13.50	343	11.75	298.5	10.63	270	1.13	28.6	0.88	22.3	8	2000	78.00	171.81
10"	250	24.49	622	12.52	318	15.98	406	14.25	362.0	12.76	324	1.19	30.2	1.00	25.4	12	3300	138.00	303.96
12"	300	27.48	698	14.06	357	19.02	483	17.01	432.0	15.00	381	1.25	31.8	1.00	25.4	12	4900	205.00	451.54

DESIGN FEATURES:

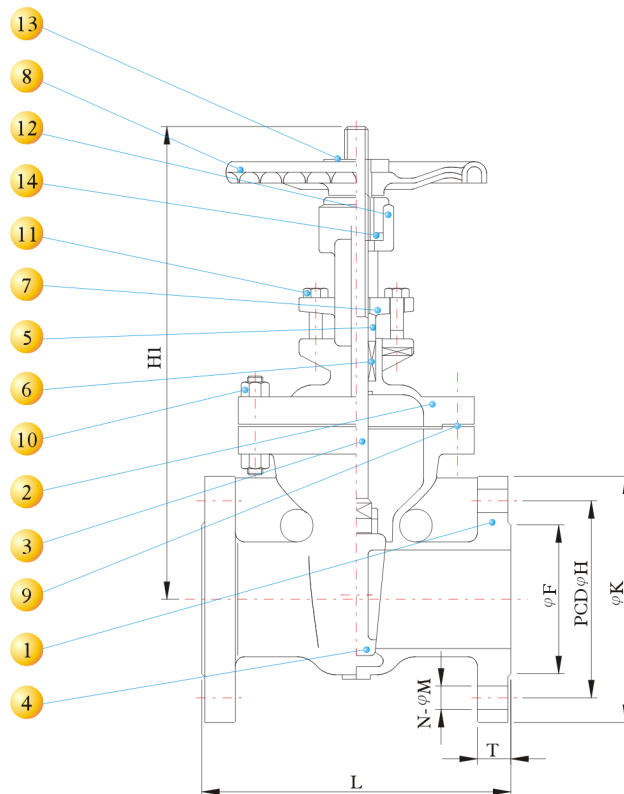
- Rising Stem
- O.S. & Yoke, Flexible Wedge
- Body: ASTM A351 Gr.CF8M
- Disc: ASTM A351 Gr.CF8M
- Stem: SS316
- Packing: PTFE.
- End Type: Flange End
- Face to Face: ANSI B16.10
- Flange Dimensions: ANSI B16.5 300 lbs
- Wall Thickness: ANSI B16.34

MATERIALS LIST

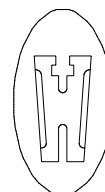
NO.	PART NAME	MATERIAL	Q'TY
1	BODY	ASTM A351 Gr.CF8M	1
2	BONNET	ASTM A351 Gr.CF8M	1
3	STEM	ASTM A276 Gr.316	1
4	DISC	ASTM A351 Gr.CF8M	1
5	GLAND	ASTM A351 Gr.CF8	1
6	GLAND PACKING	PTFE	1
7	GLAND FLANGE	ASTM A351 Gr.CF8	1
8	HAND WHEEL	ASTM A536 Gr.B65-45-12	1
9	GASKET	PTFE (OR NON ASBESTOS)	1
10	BONNET BOLT/NUT	ASTM A193 Gr.B8/ASTM A194 Gr.8	4-16
11	GLAND BOLT/NUT	ASTM A193 Gr.B8/ASTM A194 Gr.8	2
12	YOKE SLEEVE	BRONZE (OR DUCTILENI-RESIST)	1
13	HAND WHEEL NUT	STEEL	1
14	YOKE SLEEVE NUT	SS304	1

DIMENSIONS

SIZE		L		H1		K		H		F		T		M		N	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		Kg	Lb
1/2"	15	5.51	140	8.23	209	3.94	100	2.62	66.5	1.38	35	0.56	14.3	0.62	15.70	4	4.95	10.91
3/4"	20	5.98	152	8.27	210	3.94	100	3.25	82.5	1.69	43	0.63	15.9	0.75	19.00	4	6.60	14.55
1"	25	6.50	165	8.90	226	3.94	100	3.50	89.0	2.01	51	0.69	17.5	0.75	19.00	4	9.50	20.95
1 1/2"	40	7.48	190	11.54	293	6.30	160	4.51	114.5	2.87	73	0.81	20.7	0.88	22.30	4	10.00	22.05
2"	50	8.50	216	13.78	350	7.09	180	5.00	127.0	3.62	92	0.88	22.3	0.75	19.00	8	18.00	39.69
2 1/2"	65	9.49	241	15.94	405	7.87	200	5.87	149.0	4.13	105	1.00	25.4	0.88	22.30	8	28.00	61.74
3"	80	11.14	283	17.87	454	8.82	224	6.61	168.0	5.00	127	1.13	28.6	0.88	22.30	8	34.00	74.97
4"	100	12.01	305	20.67	525	9.84	250	7.87	200.0	6.18	157	1.25	31.8	0.88	22.30	8	50.00	110.25
5"	125	15.00	381	25.16	639	11.81	300	9.25	235.0	7.32	186	1.38	35.0	0.88	22.30	8	86.00	189.63
6"	150	15.87	403	29.09	739	13.98	355	10.63	270.0	8.50	216	1.44	36.6	0.88	22.30	12	124.00	273.42
8"	200	16.50	419	36.73	933	15.75	400	12.99	330.0	10.63	270	1.63	41.3	1.00	25.40	12	201.00	443.21
10"	250	17.99	457	44.80	1138	19.69	500	15.25	387.5	12.76	324	1.88	47.7	1.12	28.40	16	322.00	710.01
12"	300	19.76	502	52.68	1338	23.62	600	17.76	451.0	15.00	381	2.00	50.8	1.25	31.75	16	435.50	960.28



UNDER-3"



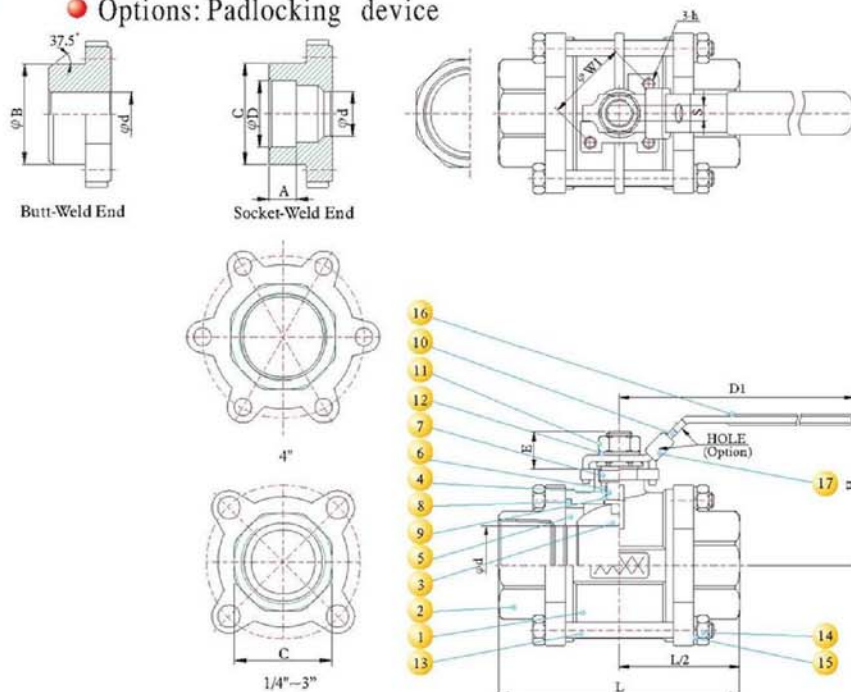
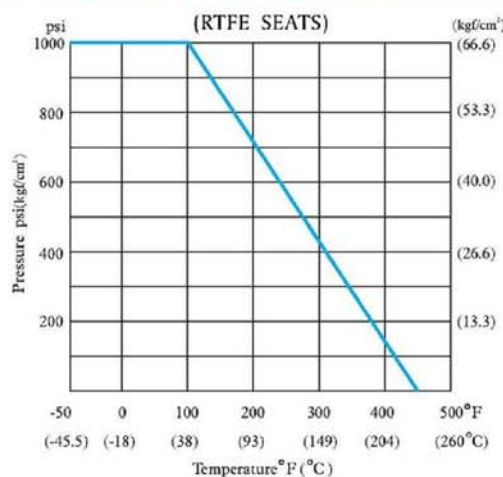
4"-UP

**DESIGN FEATURES:**

- Steam rating: 150 psi WSP
- Blow-out-proof stem design
- ISO 5211 Mounting pad
- Body: ASTM A351 Gr.CF8M
- Ball: SS316
- Stem: SS 316
- Seat: Reinforced Teflon
- End Connections: Threaded End
Socket Weld End
Butt Weld End
- Working Pressure: 1000 psi
- Temperature Range: -50° to 450°F
- TEST STANDARD: API 598
- Vacuum Service to 29" Hg
- Options: Padlocking device

MATERIALS LIST

NO.	PART NAME	MATERIAL	QTY
1	BODY	ASTM A351 Gr.CF8M	1
2	CAP	ASTM A351 Gr.CF8M	2
3	BALL	ASTM A351 Gr.CF8M	1
4	STEM	ASTM A276 Gr.316	1
5	SEAT	PTFE+15% G/F	2
6	PACKING	PTFE	1
7	GLAND	SS304	1
8	END SEALS	PTFE	2
9	THRUST WASHER	PTFE	1
10	HANDLE	SS304	1
11	HANDLE NUT	SS304	1
12	SPRING WASHER	SS304	1
13	BOLTS	ASTM A193 Gr.B8	4~6
14	BOLT NUTS	ASTM A194 Gr.8	4~6
15	BOLT WASHERS	SS304	4~6
16	HANDLE SLEEVE	VINYL GRIP	1
17	LOCKING PLATE	SS304	1

**PRESSURE TEMPERATURE RATINGS****DIMENSIONS**

SIZE		A		B		C		D		E		d		L		D1		H		S		W1		h	Cv Factor	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			Kg	Lb
1/4"	8	0.39	10	0.71	18.1	0.90	22.8	0.56	14.1	0.61	15.5	0.43	11.0	2.56	65	4.06	103	2.13	54	0.21	5.45	1.42	36	M5*P0.8	16	0.48	1.05
3/8"	10	0.39	10	0.71	18.1	0.90	22.8	0.69	17.6	0.61	15.5	0.49	12.5	2.56	65	4.06	103	2.13	54	0.21	5.45	1.42	36	M5*P0.8	16	0.46	1.01
1/2"	15	0.39	10	0.89	22.5	1.06	26.8	0.85	21.7	0.61	15.5	0.59	15.0	2.80	71	4.06	103	2.24	57	0.21	5.45	1.42	36	M5*P0.8	26	0.58	1.28
3/4"	20	0.51	13	1.11	28.3	1.36	34.5	1.07	27.1	0.77	19.5	0.79	20.0	3.35	85	5.00	127	2.64	67.1	0.24	6.2	1.42	36	M5*P0.8	55	0.92	2.02
1"	25	0.51	13	1.38	35.0	1.56	39.5	1.33	33.8	0.77	19.5	1.00	25.4	3.74	95	5.00	127	2.76	70.0	0.24	6.2	1.42	36	M5*P0.8	110	1.19	2.62
1 1/4"	32	0.51	13	1.74	44.1	1.93	49.0	1.68	42.6	1.00	25.5	1.26	32.0	4.37	111	6.02	153	3.59	91.1	0.37	9.4	1.97	50	M5*P1.0	180	2.07	4.56
1 1/2"	40	0.51	13	1.97	50.0	2.20	55.8	1.92	48.7	1.04	26.5	1.57	40.0	4.76	121	6.02	153	3.74	96.1	0.37	9.4	1.97	50	M5*P1.0	270	2.75	6.06
2"	50	0.63	16	2.38	60.5	2.68	68.0	2.41	61.1	1.00	25.5	2.00	50.8	5.51	140	7.60	193	4.02	102.0	0.37	9.4	1.97	50	M5*P1.0	500	4.07	8.95
2 1/2"	65	0.63	16	3.06	77.8	3.46	88.0	2.91	73.8	1.56	39.5	2.56	65.0	6.81	173	10.98	279	4.76	120.8	0.47	12.0	2.76	70	M8*P1.25	800	8.12	17.89
3"	80	0.63	16	3.51	89.1	4.13	106.0	3.54	89.8	1.48	37.5	3.15	80.0	7.56	192	10.98	279	5.08	129.0	0.47	12.0	4.02	102	M10*P1.5	1150	12.71	28.03
4"	100	0.75	19	4.50	114.3	5.10	129.5	4.55	115.5	1.95	49.5	3.94	100.0	8.88	225	13.19	335	6.84	173.7	0.63	16.0	4.02	102	M10*P1.5	2120	21.12	46.52

**TC-6000
TC-6100**

IPC 150# REGULAR PORT BALL VALVE, FLANGED

DESIGN FEATURES:

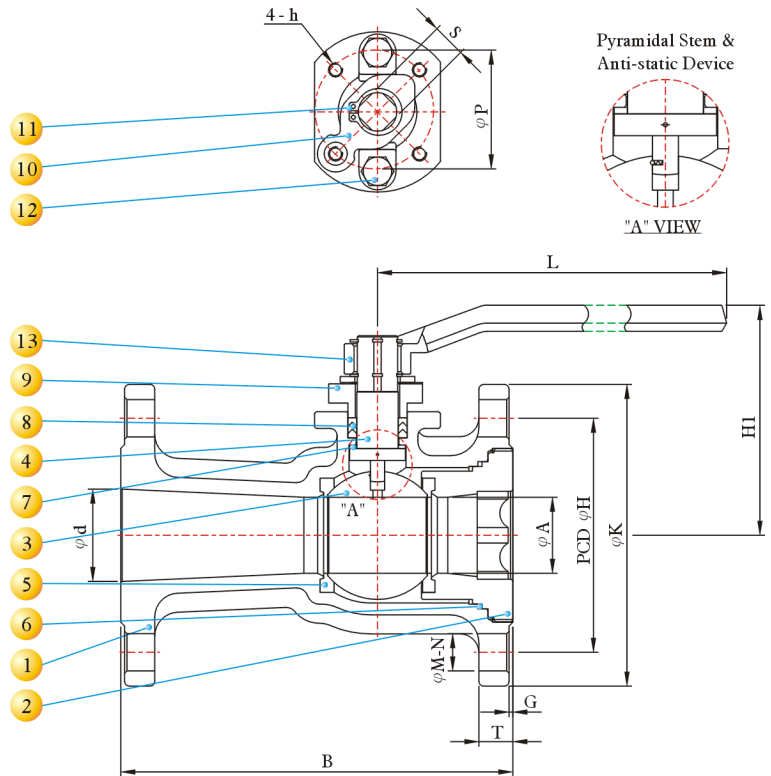
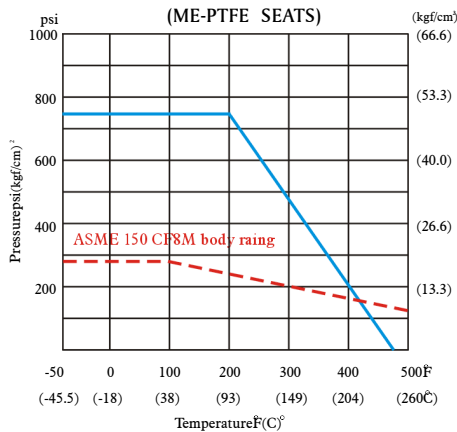
- ISO 5211 Actuator Mounting Pad
- Blow-out-proof stem design
- Anti-Static Device
- Adjustable Stem Packing
- Locking Device
- Body: ASTM A351 Gr. CF8M For TC-6000
ASTM A216 Gr. WCB For TC-6100
- ME-PTFE SEAL KITS: REPLACES PTFE, RPTFE AND FPA
LOW DEFORMATION UNDER LOAD
LOW PERMEATION
- Temperature Rating: -45.5 °C (-50 °F) to 246 °C (475 °F)
- Long Cycle Life
- ANSI B16.5 B16.10 and B16.34 full Compliance
- TEST STANDARD: API 598

MATERIALS LIST

NO.	PART NAME	MATERIAL		QTY
		STAINLESS STEEL	STAINLESS STEEL	
1	BODY	ASTM A351 Gr. CF8M	ASTM A216 WCB	1
2	CAP	ASTM A351 Gr. CF8M	ASTM A216 WCB	1
3	BALL	ASTM A351 Gr. CF8M	ASTM A351 Gr. CF8M	1
4	STEM	ASTM A276 Gr. 316	ASTM A276 Gr. 316	1
5	SEAT	* ME-PTFE	* ME-PTFE	2
6	GASKET	* ME-PTFE	* ME-PTFE	1
7	THRUST WASHER	* ME-PTFE	* ME-PTFE	1
8	PACKING	* ME-PTFE	* ME-PTFE	1
9	GLAND	ASTM A351 Gr. CF8	ASTM A351 Gr. CF8	1
10	STOPPER	SS304	SS304	1
11	SNAP RING	SS304	SS304	2
12	GLAND BOLT	ASTM A193 Gr. B8	ASTM A193 Gr. B8	2
13	HANDLE	ASTM A536 Gr. 65-45-12	ASTM A536 Gr. 65-45-12	1

*ME-PTFE IS Molecularly Enhanced PTFE

PRESSURE TEMPERATURE RATINGS



DIMENSIONS

SIZE		A		B		d		G		H		K		T		M		N	P		S		L		H1		h	Cv Factor	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		inch	mm	inch	mm	inch	mm	inch	mm			Kg	Lb
1"	25	0.79	20	5.0	127.0	0.98	25	0.06	1.6	3.12	79.2	4.25	108.0	0.44	11.1	0.62	15.7	4	1.65	42	0.43	11	5.18	131.5	2.95	74.90	M5*P0.8	52	2.30	5.07
1 1/2"	40	1.26	32	6.5	165.1	1.57	40	0.06	1.6	3.88	98.5	5.00	127.0	0.56	14.2	0.62	15.7	4	1.97	50	0.55	14	6.42	163.0	3.81	96.85	M6*P1.0	120	4.50	9.92
2"	50	1.50	38	7.0	177.8	1.97	50	0.06	1.6	4.75	120.6	6.00	152.4	0.62	15.7	0.75	19.0	4	2.76	70	0.67	17	9.13	232.0	4.96	125.90	M8*P1.25	170	7.10	15.66
2 1/2"	65	1.97	50	7.5	190.5	2.64	67	0.06	1.6	5.50	139.7	7.00	177.8	0.69	17.6	0.75	19.0	4	2.76	70	0.67	17	9.13	232.0	5.32	135.20	M8*P1.25	255	10.90	24.00
3"	80	2.56	65	8.0	203.2	3.15	80	0.06	1.6	6.00	152.4	7.50	190.5	0.75	19.0	0.75	19.0	4	4.02	102	0.87	22	12.87	327.0	5.98	152.00	M10*P1.5	430	14.20	31.31
4"	100	3.15	80	9.0	228.6	3.94	100	0.06	1.6	7.50	190.5	9.00	228.6	0.94	23.8	0.75	19.0	8	4.02	102	0.87	22	12.87	327.0	6.30	160.10	M10*P1.5	565	23.58	52.00
6"	150	3.94	100	10.5	266.7	5.91	150	0.06	1.6	9.50	241.3	11.00	279.4	1.00	25.4	0.88	22.3	8	4.02	102	0.87	22	12.87	327.0	7.01	178.00	M10*P1.5	600	35.40	78.06

DESIGN FEATURES:

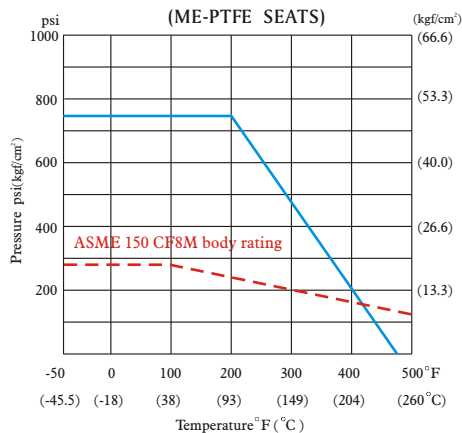
- Steam rating: 150 psi WSP
- ISO 5211 Actuator Mounting Pad
- Blow-out-proof stem design
- Anti - Static Device
- Body: ASTM A351 Gr.CF8M
- Ball: SS316
- Stem: SS316
- ME-PTFE SEAL KITS : REPLACES PTFE ,RPTFE AND FPA
LOW DEFORMATION UNDER LOAD
LOW PERMEATION
- Temperature Rating : -45.5 °C (-50 °F) to 246 °C (475 °F)
- Face to Face: ANSI B16.10
- Flange Dimensions: ANSI B16.5 150 #

MATERIALS LIST

NO.	PART NAME	MATERIAL	Q'TY
1	BODY	ASTM A351 Gr.CF8M	1
2	CAP	ASTM A351 Gr.CF8M	1
3	BALL	ASTM A351 Gr.CF8M	1
4	STEM	ASTM A276 Gr.316	1
5	SEAT	ME-PTFE	2
6	GASKET	ME-PTFE	1
7	THRUST WASHER	ME-PTFE	1
8	PACKING	ME-PTFE	1
9	GLAND	ASTM A351 Gr.CF8	1
10	STOPPER	SS304	1
11	SNAP RING	SS304	2
12	GLAND BOLT	ASTM A193 Gr.B8	2
13	STUD BOLT	ASTM A193 Gr.B8	4~12
14	SET NUT	ASTM A194 Gr.8M	4~12
15	HANDLE	ASTM A536 Gr.B 65-45-12	1

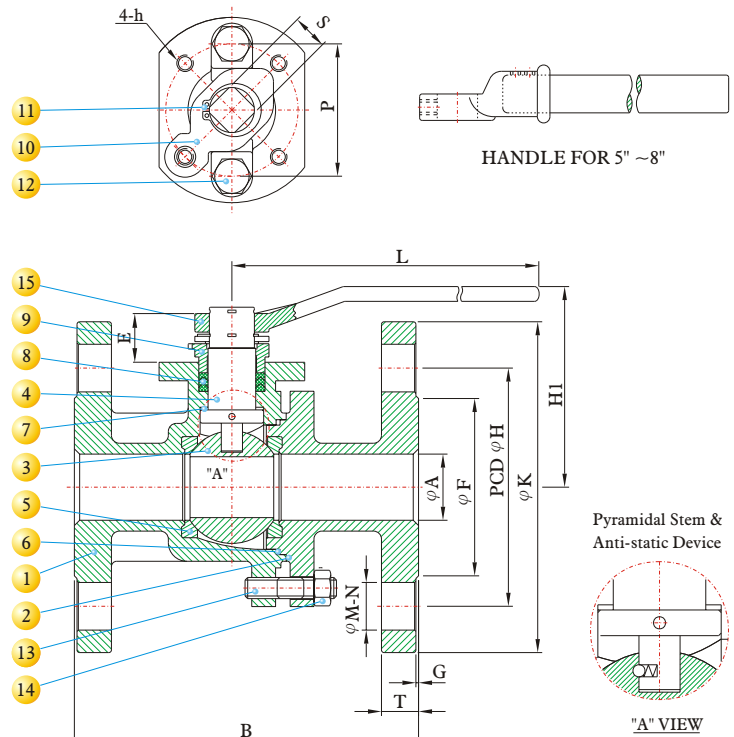
ME-PTFE IS Molecularly Enhanced PTFE

PRESSURE TEMPERATURE RATINGS



DIMENSIONS

SIZE	A	B	E	F	G	H	K	T	M	N	P	S	L	H1	h	Cv	Weight
inch mm	inch mm	inch mm	inch mm	inch mm	inch mm	inch mm	inch mm	inch mm	inch mm	inch mm	inch mm	inch mm	inch mm	inch mm	Factor	Kg	Lb
1/2" 15	0.59 15.0	4.25 107.9	0.98 25.0	1.38 35.0	0.06 1.6	2.38 60.4	3.50 88.9	0.44 11.2	0.62 15.7	4	1.65 42	0.43 11	5.18 131.5	2.91 73.8	M5*P0.8	26	2.00 4.41
3/4" 20	0.79 20.0	4.62 117.3	1.02 26.0	1.69 42.9	0.06 1.6	2.75 69.8	3.88 98.5	0.44 11.2	0.62 15.7	4	1.65 42	0.43 11	5.18 131.5	2.94 74.8	M5*P0.8	55	2.50 5.51
1" 25	0.98 25.0	5.00 127.0	1.24 31.5	2.00 50.8	0.06 1.6	3.12 79.2	4.25 107.9	0.44 11.2	0.62 15.7	4	1.97 50	0.55 14	6.42 163.0	3.44 87.4	M6*P1.0	110	3.00 6.61
1 1/4" 32	1.26 32.0	5.50 139.7	1.24 31.5	2.50 63.5	0.06 1.6	3.50 88.9	4.62 117.3	0.50 12.7	0.62 15.7	4	1.97 50	0.55 14	6.42 163.0	3.63 92.2	M6*P1.0	180	4.50 9.91
1 1/2" 40	1.50 38.0	6.50 165.1	1.65 42.0	2.88 73.1	0.06 1.6	3.88 98.5	5.00 127.0	0.56 14.2	0.62 15.7	4	2.76 70	0.67 17	9.13 232.0	4.76 121.0	M8*P1.25	270	6.00 13.22
2" 50	1.97 50.0	7.00 177.8	1.65 42.0	3.62 91.9	0.06 1.6	4.75 120.6	6.00 152.4	0.62 15.7	0.75 19.0	4	2.76 70	0.67 17	9.13 232.0	5.08 129.0	M8*P1.25	500	8.50 18.72
2 1/2" 65	2.56 65.0	7.50 190.5	1.65 42.0	4.12 104.6	0.06 1.6	5.50 139.7	7.00 177.8	0.69 17.5	0.75 19.0	4	2.76 70	0.67 17	9.13 232.0	5.55 141.0	M8*P1.25	800	13.00 28.63
3" 80	3.15 80.0	8.00 203.2	2.20 56.0	5.00 127.0	0.06 1.6	6.00 152.4	7.50 190.5	0.75 19.0	0.75 19.0	4	4.02 102	0.87 22	12.87 327.0	6.52 165.7	M10*P1.5	1150	18.00 39.65
4" 100	3.94 100.0	9.00 228.6	2.20 56.0	6.19 157.2	0.06 1.6	7.50 190.5	9.00 228.6	0.94 23.8	0.75 19.0	8	4.02 102	0.87 22	12.87 327.0	7.11 180.7	M10*P1.5	2120	28.00 61.67
6" 150	5.91 150.0	15.50 393.7	2.64 67.0	8.50 215.9	0.06 1.6	9.50 241.3	11.00 279.4	1.00 25.4	0.88 22.3	8	4.92 125	1.06 27	42.20 1072.0	9.95 252.8	M12*P1.75	5100	75.00 165.20
8" 200	7.87 200.0	18.00 457.2	2.62 66.5	10.62 269.7	0.06 1.6	11.75 298.4	13.50 342.9	1.12 28.4	0.88 22.3	8	5.51 140	1.30 33	42.52 1080.0	11.73 297.9	M16*P2.0	9400	110.00 242.29

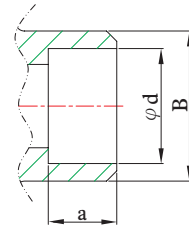




DESIGN FEATURES:

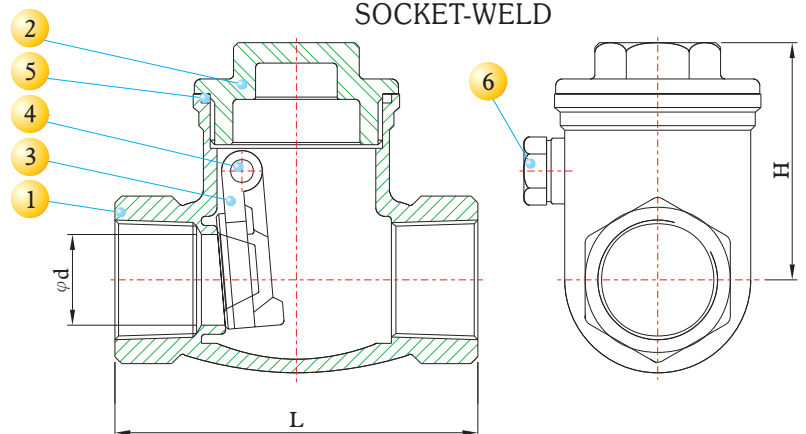
- Swing Type
- Body: ASTM A351 Gr.CF8M
- Disc: ASTM A351 Gr.CF8M
- Packing: PTFE.
- Working Pressure: 200 psi
- End Connections: Threaded End
- TEST STANDARD: API 598

Threaded Type:
ANSI B1.20.1 (NPT)
DIN 259/DIN 2999
ISO 228
BSP
PT



MATERIALS LIST

NO.	PART NAME	MATERIAL	QTY
1	BODY	ASTM A351 Gr.CF8M	1
2	CAP	ASTM A351 Gr.CF8M	1
3	DISC	ASTM A351 Gr.CF8M	1
4	HINGE PIN	SS316	1
5	GASKET	PTFE	1
6	PLUG	SS316	1



DIMENSIONS

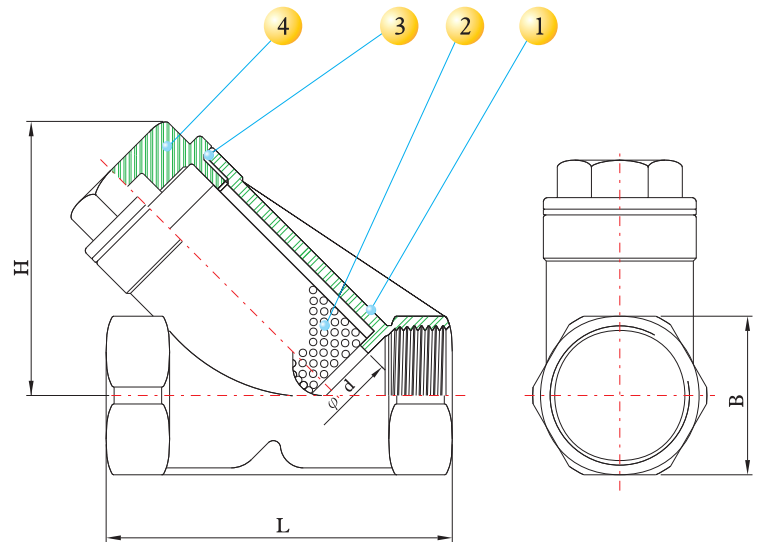
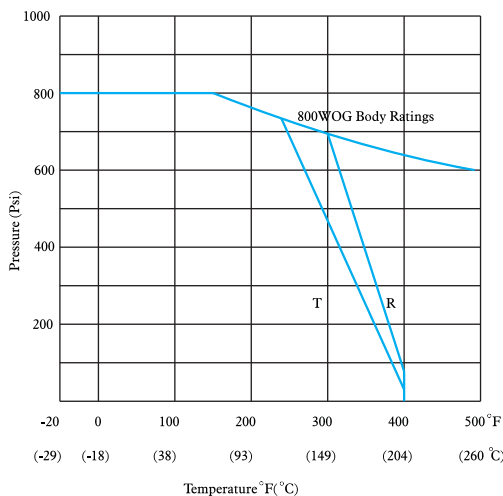
SIZE		d		L		H		a		d		B		Cv Factor	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		Kg	Lb
1/4"	8	0.39	10	2.56	65.0	1.77	45	0.39	10	0.55	14.1	0.9	22.8	3.0	0.33	0.73
3/8"	10	0.47	12	2.56	65.0	1.77	45	0.39	10	0.69	17.6	0.9	22.8	4.0	0.35	0.77
1/2"	15	0.59	15	2.60	66.0	1.81	46	0.39	10	0.85	21.7	1.06	26.8	6.5	0.30	0.66
3/4"	20	0.79	20	3.19	81.0	2.13	54	0.51	13	1.07	27.1	1.36	34.6	15.0	0.48	1.06
1"	25	0.98	25	3.58	91.0	2.36	60	0.51	13	1.33	33.8	1.56	39.5	28.0	0.75	1.65
1 1/4"	32	1.26	32	4.19	106.5	2.83	72	0.51	13	1.68	42.6	1.93	49.0	45.0	1.15	2.53
1 1/2"	40	1.57	40	4.76	121.0	2.95	75	0.51	13	1.92	48.7	2.20	55.8	65.0	1.54	3.39
2"	50	1.97	50	5.59	142.0	3.23	82	0.63	16	2.41	61.1	2.68	68.0	120.0	2.54	5.59
2 1/2"	65	2.56	65	6.26	159.0	3.54	90	0.63	16	2.91	73.8	3.46	88.0	190.0	3.80	8.37
3"	80	3.15	80	7.48	190.0	4.09	104	0.63	16	3.54	89.8	4.13	105.0	280.0	5.90	13.00

DESIGN FEATURES:

- Body: ASTM A351 Gr.CF8M
- Screen: SS316
- Packing: PTFE.
- Working Pressure: 800 psi
- TEST STANDARD: API 598
- End Connections: Threaded End
Socket-Weld End
- Threaded Type:
ANSI B1.20.1 (NPT)
DIN 259 / DIN 2999
ISO 228
BSP
PT

MATERIALS LIST

NO.	PART NAME	MATERIAL	QTY
1	BODY	ASTM A351 Gr.CF8M	1
2	SCREEN	SS316	1
3	GASKET	TEFLON	1
4	CAP	ASTM A351 Gr.CF8M	1

**PRESSURE TEMPERATURE RATINGS****DIMENSIONS**

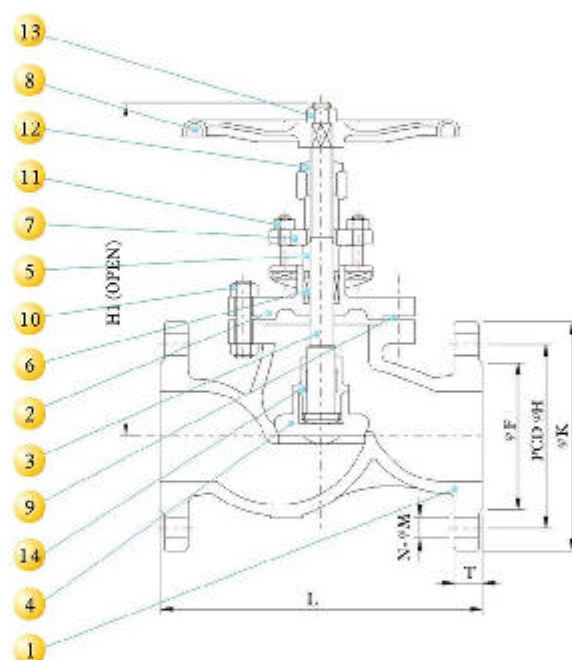
SIZE		d		B		H		L		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	Kg	Lb
1/4"	8	0.31	8	1.02	26	2.01	51	2.56	65	0.24	0.53
3/8"	10	0.39	10	1.02	26	2.01	51	2.56	65	0.23	0.50
1/2"	15	0.59	15	1.02	26	2.01	51	2.56	65	0.23	0.50
3/4"	20	0.79	20	1.30	33	2.36	60	3.15	80	0.36	0.79
1"	25	0.98	25	1.61	41	2.83	72	3.54	90	0.70	1.54
1 1/4"	32	1.26	32	1.93	49	3.03	77	4.13	105	0.90	1.98
1 1/2"	40	1.57	40	2.20	56	3.43	87	4.72	120	1.20	2.64
2"	50	1.97	50	2.72	69	4.06	103	5.51	140	1.90	4.19
2 1/2"	65	2.56	65	3.43	87	4.72	120	6.69	170	4.30	9.47
3"	80	3.15	80	4.02	102	5.51	140	7.87	200	6.30	13.88


DESIGN FEATURES:

- Rising Stem
- Body: ASTM A 351 Gr.CF8M
- Disc: ASTM A 351 Gr.CF8M
- Stem: SS316
- End Type: Flange End
- Face to Face: ANSI B16.10
- Flange Dimensions: ANSI B16.5 300
- Wall Thickness: ANSI B16.34
- TEST STANDARD: API 598
- Pressure/ Temperature ratings in accordance with ASME/ASTM B16.34

MATERIALS LIST

NO	PART NAME	MATERIAL	QTY
1	BCDY	ASTM A351 Gr.CF8M	1
2	BONNET	ASTM A351 Gr.CF8M	1
3	STEM	ASTM A276 Gr.316	1
4	DISC	ASTM A351 Gr.CF8M	1
5	GLAND	ASTM A351 Gr.CF8	1
6	GLAND PACKING	PTFE	1
7	GLAND FLANGE	ASTM A351 Gr.CF8	1
8	HAND WHEEL	ASTM A536 Gr.B55-45-12	1
9	GASKET	PTFE (OR NON ASBESTOS)	1
10	BONNET BOLT/NUT	ASTM A193 Gr.B8/ASTM A194 Gr.8	4-16
11	GLAND BOLT/NUT	ASTM A193 Gr.B8/ASTM A194 Gr.8	2
12	YOKE SLEEVE	BRONZE (CR DUCTILENI-RESIST)	1
13	HAND WHEEL NUT	STEEL	1
14	DISC GLAND	SS316	1


DIMENSIONS

SIZE		L		H1		K		H		F		T		M		N	Cv	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		Factor	Kg	Lb
1/2"	15	6.00	152	6.77	172	3.94	100	2.62	66.5	1.38	35	0.56	14.3	0.62	15.7	4	5	4.00	8.81
3/4"	20	7.00	178	6.77	172	3.94	100	3.25	82.5	1.69	43	0.63	15.9	0.75	19.0	4	8.5	5.00	11.01
1"	25	8.00	203	6.89	175	3.94	100	3.50	89.0	2.01	51	0.69	17.5	0.75	19.0	4	11	9.00	19.82
1 1/2"	40	9.00	229	8.86	225	5.50	160	4.51	114.5	2.87	73	0.81	20.7	0.88	22.3	4	190	13.50	29.74
2"	50	10.50	267	10.55	268	7.09	180	5.00	127.0	3.62	92	0.88	22.3	0.75	19.0	8	32	16.50	36.34
2 1/2"	65	11.50	292	11.85	301	7.87	200	5.87	149.0	4.13	105	1.00	25.4	0.88	22.3	8	48	31.00	68.28
3"	80	12.50	318	13.82	351	9.84	250	6.61	168.0	5.00	127	1.13	28.6	0.88	22.3	8	80	36.00	79.30
4"	100	14.00	356	16.14	410	11.81	300	7.87	200.0	6.18	157	1.25	31.8	0.88	22.3	8	110	52.50	115.64
5"	125	15.75	400	18.27	464	13.98	355	9.25	235.0	7.32	186	1.38	35.0	0.88	22.3	8	190	79.00	174.01
6"	150	17.50	444	20.83	529	15.75	400	10.63	270.0	8.50	216	1.44	36.6	0.88	22.3	12	450	98.50	216.96
8"	200	22.00	559	26.38	670	17.72	450	12.99	330.0	10.63	270	1.63	41.3	1.00	25.4	12	800	146.00	321.59

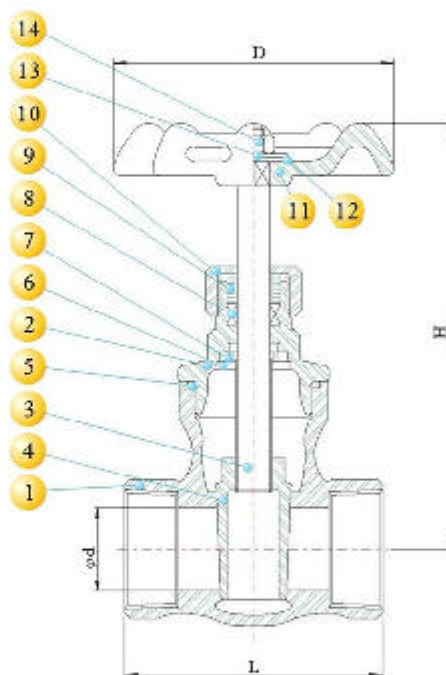


DESIGN FEATURES:

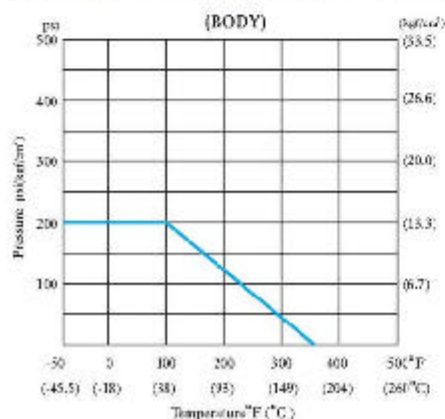
- Non-Rising Stem
- Solid Wedge Disc
- Body: ASTM A351 Gr.CF8M
- DISC: ASTM A351 Gr.CF8M
- Seat: SS316
- Packing: PTFE
- Working Pressure: 200 psi
- TEST STANDARD: API 598
- End Connections: Threaded End
- Threaded Type:
ANSI B1.20.1 (NPT)
DIN 259/DIN 2999
ISO 228
BSP
PT

MATERIALS LIST

NO.	PART NAME	MATERIAL	QTY
1	BODY	ASTM A351 Gr.CF8M	1
2	BONNET	ASTM A351 Gr.CF8M	1
3	STEM	ASTM A276 Gr.316	1
4	DISC	ASTM A351 Gr.CF8M	1
5	GASKET	PTFE	1
6	STOP RING	SS304	1
7	STEM HOLDER	SS316	1
8	STEM PACKING	PTFE	1
9	GLAND	SS304	1
10	GLAND NUT	SS316	1
11	HANDLE WHEEL	SS400	1
12	NAME PLATE	ALUMINUM	1
13	HANDLEWHEEL WASHER	SS304	1
14	HANDLEWHEEL NUT	SS304	1



PRESSURE TEMPERATURE RATINGS



DIMENSIONS

SIZE		d		D		H		L		Cv Factor	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		Kg	Lb
1/2"	15	0.63	16.1	2.76	70.0	3.88	98.6	2.24	57.0	15	0.52	1.15
3/4"	20	0.80	20.3	2.76	70.0	4.06	103.0	2.38	60.5	37	0.63	1.39
1"	25	1.02	26.0	3.01	76.5	4.53	115.0	2.64	67.0	72	0.81	1.78
1 1/4"	32	1.25	31.8	3.01	76.5	5.04	128.0	2.99	76.0	110	1.18	2.60
1 1/2"	40	1.57	31.8	4.07	103.5	6.81	173.0	3.43	87.0	165	2.00	4.41
2"	50	1.98	50.3	4.76	121.0	7.44	189.0	3.74	95.0	320	2.82	6.21

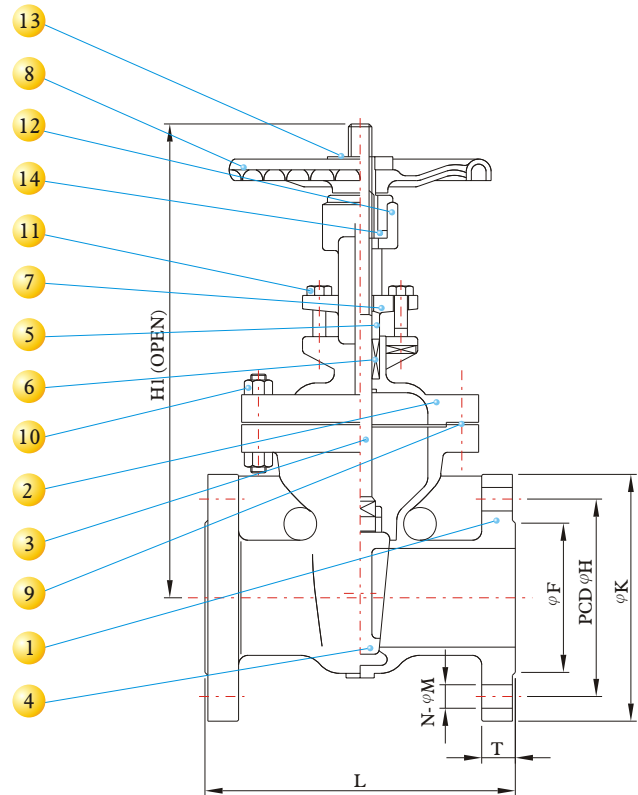


DESIGN FEATURES:

- Rising Stem
- O.S. & Yoke, Flexible Wedge
- Body: ASTM A351 Gr.CF8M
- Disc: ASTM A351 Gr.CF8M
- Stem: SS316
- Packing: PTFE
- End Type: Flange End
- Face to Face: ANSI B16.10
- Flange Dimensions: ANSI B16.5 150
- Wall Thickness: ANSI B16.34

MATERIALS LIST

NO.	PART NAME	MATERIAL	Q'TY
1	BODY	ASTM A351 Gr.CF8M	1
2	BONNET	ASTM A351 Gr.CF8M	1
3	STEM	ASTM A276 Gr.316	1
4	DISC	ASTM A351 Gr.CF8M	1
5	GLAND	ASTM A351 Gr.CF8	1
6	GLAND PACKING	PTFE	1
7	GLAND FLANGE	ASTM A351 Gr.CF8	1
8	HAND WHEEL	ASTM A536 Gr.B65-45-12	1
9	GASKET	PTFE (OR NON ASBESTOS)	1
10	BONNET BOLT/NUT	ASTM A193 Gr.B8/ASTM A194 Gr.8	4-16
11	GLAND BOLT/NUT	ASTM A193 Gr.B8/ASTM A194 Gr.8	2
12	YOKE SLEEVE	BRONZE (OR DUCTILENI-RESIST)	1
13	HAND WHEEL NUT	STEEL	1
14	YOKE SLEEVE NUT	SS304	1

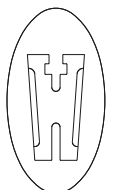


DIMENSIONS

SIZE		L		H1		K		H		F		T		M		N	Cv Factor	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			Kg	Lb
1/2"	15	4.25	108	8.03	204	3.94	100	2.38	60.5	1.38	35	0.44	11.2	0.62	15.7	4	19	3.40	7.49
3/4"	20	4.61	117	8.23	209	3.94	100	2.76	70.0	1.69	43	0.44	11.2	0.62	15.7	4	36	4.50	9.91
1"	25	5.00	127	9.02	229	3.94	100	3.13	79.5	2.01	51	0.44	11.2	0.62	15.7	4	57	5.50	12.11
1 1/2"	40	6.50	165	11.14	283	5.51	140	3.88	98.5	2.87	73	0.56	14.3	0.62	15.7	4	120	9.00	19.82
2"	50	7.01	178	13.07	332	6.30	160	4.74	120.5	3.62	92	0.63	15.9	0.75	19.0	4	140	11.50	25.33
2 1/2"	65	7.48	190	15.63	397	7.09	180	5.49	139.5	4.13	105	0.69	17.5	0.75	19.0	4	240	18.00	39.65
3"	80	7.99	203	17.28	439	7.87	200	6.00	152.5	5.00	127	0.75	19.1	0.75	19.0	4	360	20.00	44.05
4"	100	9.02	229	20.39	518	8.82	224	7.50	190.5	6.18	157	0.94	23.9	0.75	19.0	8	580	30.00	66.08
5"	125	10.00	254	24.45	621	9.84	250	8.52	216.5	7.32	186	0.94	23.9	0.88	22.3	8	950	44.00	96.92
6"	150	10.51	267	28.11	714	11.02	280	9.51	241.5	8.50	216	1.00	25.4	0.88	22.3	8	2400	56.00	123.35
8"	200	11.50	292	35.98	914	11.81	300	11.75	298.5	10.63	270	1.13	28.6	0.88	22.3	8	4200	82.00	180.62
10"	250	12.99	330	43.62	1108	13.98	355	14.25	362.0	12.76	324	1.19	30.2	1.00	25.4	12	6800	132.00	290.75
12"	300	14.02	356	61.14	1553	23.62	600	17.01	432.0	15.00	381	1.25	31.8	1.00	25.4	12	9900	196.50	432.82



UNDER-3"



4"-UP

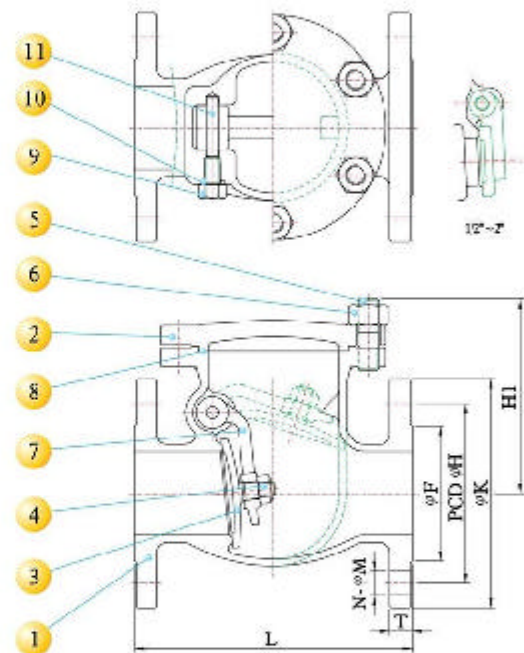


DESIGN FEATURES:

- Swing Type
- Body: ASTM A351 Gr.CF8M
- Disc: ASTM A351 Gr.CF8M
- End Type: Flange End
- Face to Face: ANSI B16.10
- Flange Dimensions: ANSI B16.5 300
- Wall Thickness: ANSI B16.34
- TEST STANDARD: API 598

MATERIALS LIST

NO.	PART NAME	MATERIAL	QTY
1	BODY	ASTM A351 Gr.CF8M	1
2	COVER	ASTM A351 Gr.CF8M	1
3	DISC	ASTM A351 Gr.CF8M	1
4	DISC NUT	ASTM A194 Gr.8	1
5	COVER BOLT	ASTM A193 Gr.B3	4 12
6	COVER NUT	ASTM A194 Gr.8	4 12
7	ARM	ASTM A351 Gr.CF8M	1
8	GASKET	PTFE	1
9	PLUG	SS316	1
10	PLUG GASKET	SS304	1
11	HINGE PIN	SS316	1



DIMENSIONS

SIZE		L		H1		K		H		F		T		M		N	Cv Factor	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			Kg	Lb
1/2"	15	6.00	152	2.99	76	3.74	95	2.62	66.5	1.38	35	0.56	14.3	0.62	15.70	4	9.5	3.90	8.59
3/4"	20	7.00	178	3.07	78	4.61	117	3.25	82.5	1.69	43	0.63	15.9	0.75	19.00	4	16	5.00	11.01
1"	25	8.50	216	3.77	95	4.88	124	3.50	89.0	2.01	51	0.69	17.5	0.75	19.00	4	27	6.80	14.98
1 1/2"	40	9.50	241	4.57	116	6.14	156	4.51	114.5	2.87	73	0.81	20.7	0.88	22.30	4	51	11.50	25.33
2"	50	10.50	267	5.08	129	6.50	165	5.00	127.0	3.62	92	0.88	22.3	0.75	19.00	8	70	16.50	36.34
2 1/2"	65	11.50	292	5.63	143	7.48	190	5.87	149.0	4.13	105	1.00	25.4	0.88	22.30	8	120	23.00	50.66
3"	80	12.50	318	6.46	164	8.27	210	6.61	168.0	5.00	127	1.13	28.6	0.88	22.30	8	170	30.00	66.08
4"	100	14.00	356	6.97	177	10.00	254	7.87	200.0	6.18	157	1.25	31.8	0.88	22.30	8	250	45.50	100.22
5"	125	15.75	400	8.54	217	10.98	279	9.25	235.0	7.32	186	1.38	35.0	0.88	22.30	8	470	58.00	127.75
6"	150	17.50	444	9.80	249	12.52	318	10.63	270.0	8.50	216	1.44	36.6	0.88	22.30	12	1100	81.00	178.41
8"	200	21.00	533	12.28	312	15.00	381	12.99	330.0	10.63	270	1.63	41.3	1.00	25.40	12	2000	125.00	275.33
10"	250	24.50	622	14.13	359	17.48	444	15.26	387.5	12.76	324	1.88	47.7	1.12	28.40	16	3300	172.00	378.85
12"	300	28.00	711	15.71	399	20.51	521	17.76	451.0	15.00	381	2.00	50.8	1.25	31.75	16	4900	430.00	948.14