

TC-0802A VALVE

2PC 300# FULL PORT BALL VALVE, FLANGED



DESIGN FEATURES:

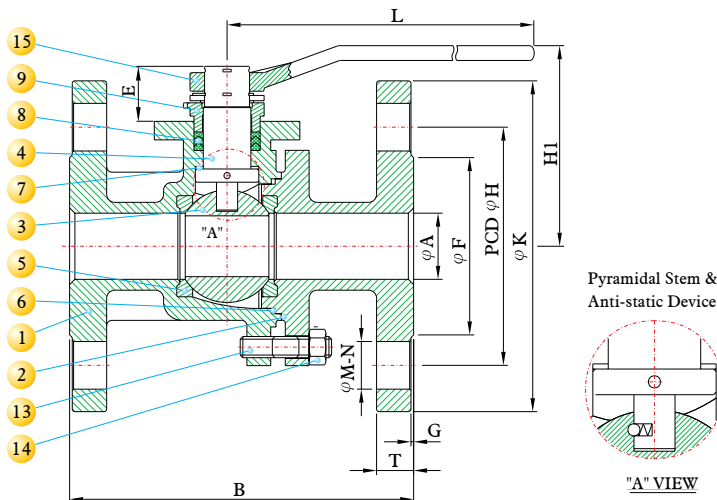
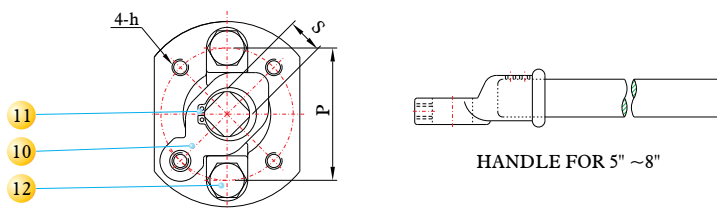
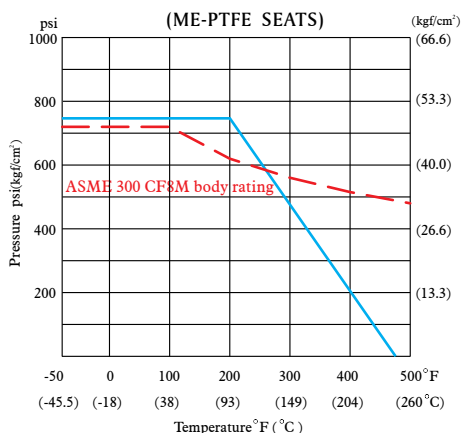
- Steam rating: 150 psi WSP
- ISO 5211 Actuator Mounting Pad
- Blow-out-proof stem design
- Anti - Static Device
- Body: ASTM A351 Gr.CF8M
- Ball: SS316
- Stem: SS316
- ME-PTFE SEAL KITS : REPLACES PTFE ,RPTFE AND FPA
LOW DEFORMATION UNDER LOAD
LOW PERMEATION
- Temperature Rating : -45.5 °C (-50 °F) to 246 °C (475 °F)
- Face to Face: ANSI B16.10
- Flange Dimensions: ANSI B16.5 300 #
- TEST STANDARD: API 598
- Vacuum Service to 29" Hg

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			Factor	Kg
1/2"	15	0.59	15.0	5.50	139.7	1.00	25.5	1.38	35.0	0.06	1.6	2.62	66.5	3.75	95.2	0.56	14.2	0.62	15.7	4	1.65	42	0.43	11	5.18	131.5	2.91	73.8	M5*P0.8	26	2.53	5.58
3/4"	20	0.79	20.0	6.00	152.4	0.98	25.0	1.69	42.9	0.06	1.6	3.25	82.5	4.62	117.3	0.62	15.7	0.75	19.0	4	1.65	42	0.43	11	5.18	131.5	2.94	74.8	M5*P0.8	55	3.50	7.72
1"	25	0.98	25.0	6.50	165.1	1.26	32.0	2.00	50.8	0.06	1.6	3.50	88.9	4.88	123.9	0.69	17.5	0.75	19.0	4	1.97	50	0.55	14	6.42	163.0	3.44	87.4	M6*P1.0	110	4.54	10.01
1 1/4"	32	1.26	32.0	7.00	177.8	1.28	32.5	2.50	63.5	0.06	1.6	3.88	98.5	5.25	133.3	0.75	19.0	0.75	19.0	4	1.97	50	0.55	14	6.42	163.0	3.63	92.2	M6*P1.0	180	5.75	12.67
1 1/2"	40	1.50	38.0	7.50	190.5	1.65	42.0	2.88	73.1	0.06	1.6	4.50	114.3	6.12	155.4	0.81	20.5	0.88	22.3	4	2.76	70	0.67	17	9.13	232.0	4.76	121.0	M8*P1.25	270	9.50	20.95
2"	50	1.97	50.0	8.50	215.9	1.65	42.0	3.62	91.9	0.06	1.6	5.00	127.0	6.50	165.1	0.88	22.3	0.75	19.0	8	2.76	70	0.67	17	9.13	232.0	5.08	129.0	M8*P1.25	500	11.30	24.92
2 1/2"	65	2.56	65.0	9.50	241.3	1.65	42.0	4.12	104.6	0.06	1.6	5.88	149.3	7.50	190.5	1.00	25.4	0.88	22.3	8	2.76	70	0.67	17	9.13	232.0	5.55	141.0	M8*P1.25	800	18.80	41.45
3"	80	3.15	80.0	11.12	282.4	2.20	56.0	5.00	127.0	0.06	1.6	6.62	168.1	8.25	209.5	1.12	28.4	0.88	22.3	8	4.02	102	0.87	22	12.87	327.0	6.52	165.7	M10*P1.5	1150	26.60	58.65
4"	100	3.94	100.0	12.00	304.8	2.20	56.0	6.19	157.2	0.06	1.6	7.88	200.1	10.00	254.0	1.25	31.7	0.88	22.3	8	4.02	102	0.87	22	12.87	327.0	7.11	180.7	M10*P1.5	2120	41.40	91.29
6"	150	5.91	150.0	15.88	403.3	2.24	57.0	8.50	215.9	0.06	1.6	10.62	269.7	12.50	317.5	1.44	36.5	0.88	22.3	12	4.92	125	1.06	27	42.26	1073.4	9.95	252.8	M12*P1.75	5100	92.00	202.86
8"	200	7.87	200.0	19.75	501.6	2.26	57.5	10.62	269.7	0.06	1.6	13.00	330.2	15.00	381.0	1.62	41.1	1.00	25.4	12	5.51	140	1.30	33	42.52	1080.0	11.73	297.9	M16*P2.0	9400	124.00	273.13

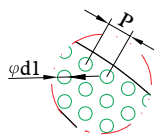
TC-YSF VALVE

150# R.F. FLANGED Y STRAINERS STAINLESS STEEL



DESIGN FEATURES:

- Body: ASTM A351 Gr.CF8M
- Screen: SS304
- Gasket: PTFE
- Flange Dimensions: ANSI B16.5 150 #
- TEST STANDARD: API 598



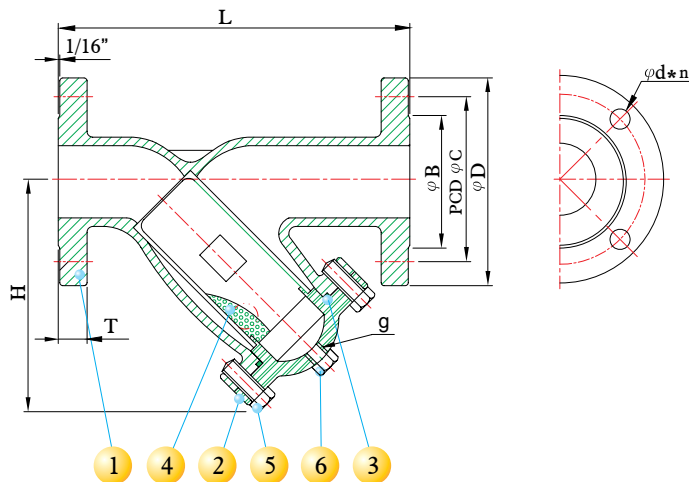
Screen Detail

SIZE		d1		P	
inch	mm	inch	mm	inch	mm
2"	50	0.04	1	0.08	2
3"	80	0.04	1	0.08	2
4"	100	0.04	1	0.08	2
6"	150	0.12	3	0.20	5

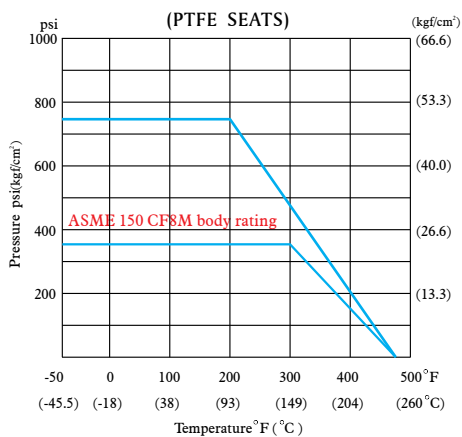
MATERIALS LIST

NO.	PART NAME	MATERIAL	QTY
1	BODY	ASTM A351 Gr.CF8M	1
2	CAP	ASTM A351 Gr.CF8M	1
3	GASKET	PTFE	1
4	SCREEN	* SS304	1
5	BOLT	ASTM A193 B8	4~8
6	PLUG	SS316	1

* 316 SCREENS AVAILABLE UPON REQUEST



PRESSURE TEMPERATURE RATINGS



DIMENSIONS

SIZE		B		C		D		d		H		L		n	T		g	Cv Factor	Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		inch	mm			Kg	Lb
2"	50	3.62	92	4.74	120.5	5.98	152	0.75	19	5.75	146	8.58	218	4	0.63	15.9	1/2"	500	13	28.6
2 1/2"	80	4.13	105	5.49	139.5	7.00	178	0.75	19	7.09	180	10.28	261	4	0.69	17.5	3/4"	850	23	50.6
3"	80	5.00	127	6.00	152.5	7.48	190	0.75	19	7.87	200	11.61	295	4	0.75	19.1	1"	1150	25	55.1
4"	100	6.18	157	7.50	190.5	9.02	229	0.75	19	9.45	240	14.21	361	8	0.94	23.9	1 1/2"	2120	33	72.7
6"	150	8.50	216	9.51	241.5	10.98	279	0.87	22	13.39	340	18.46	469	8	1.00	25.4	2"	5100	76	167.4

TC-GTF-ANSI VALVE

150 LB FLANGE END GATE VALVE

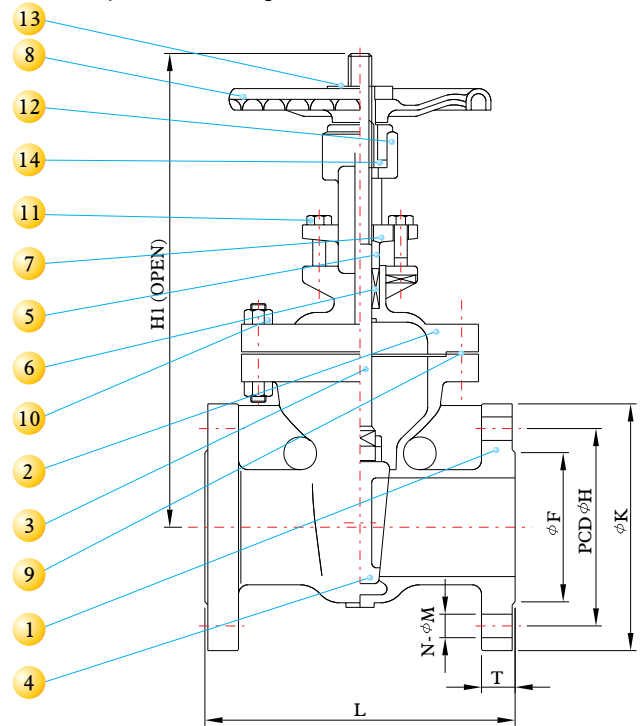


DESIGN FEATURES:

- 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
- TEST STANDARD: API 598
- Pressure/ Temperature ratings in accordance with ASME/ASTM B16.34

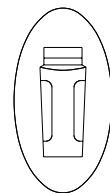
MATERIALS LIST

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	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

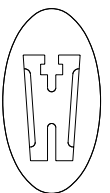


DIMENSIONS

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	4.63	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 1/4"	32	5.51	140	10.63	270	4.61	117	3.50	89.0	2.52	64	0.56	14.3	0.62	15.7	4	100	6.50	14.32
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	7.00	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	7.50	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	8.00	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	9.00	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	10.50	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	13.00	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	14.00	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

TC-GTF-ANSI VALVE

300 LB FLANGE END GATE VALVE

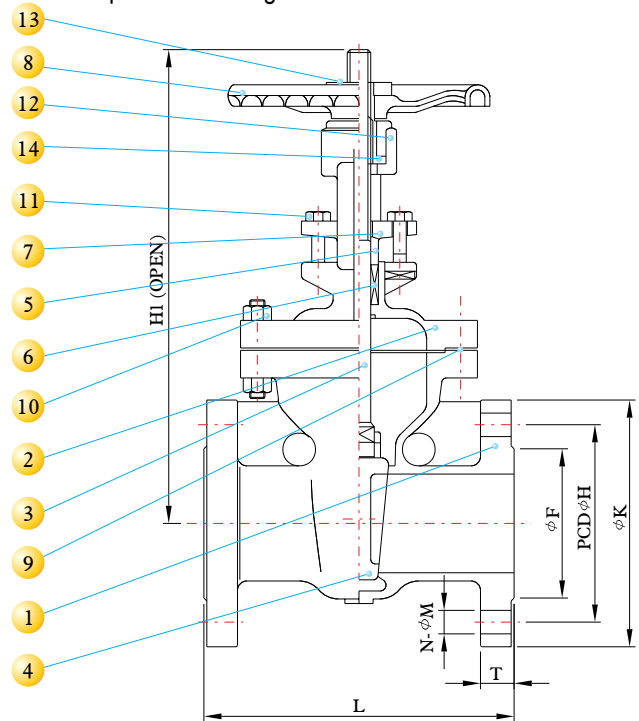


MATERIALS LIST

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	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

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
- Wall Thickness: ANSI B16.34
- TEST STANDARD: API 598
- Pressure/ Temperature ratings in accordance with ASME/ASTM B16.34

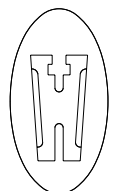


DIMENSIONS

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	5.50	140	8.23	209	3.94	100	2.62	66.5	1.38	35	0.56	14.3	0.62	15.70	4	19	5.00	11.01
3/4"	20	6.00	152	8.27	210	3.94	100	3.25	82.5	1.69	43	0.63	15.9	0.75	19.00	4	36	4.50	9.91
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	57	10.00	22.03
1 1/2"	40	7.50	190	11.54	293	6.30	160	4.51	114.5	2.87	73	0.81	20.7	0.88	22.30	4	120	15.00	33.04
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	140	18.40	40.53
2 1/2"	65	9.50	241	15.94	405	7.87	200	5.87	149.0	4.13	105	1.00	25.4	0.88	22.30	8	240	22.00	48.46
3"	80	11.12	283	17.87	454	8.82	224	6.61	168.0	5.00	127	1.13	28.6	0.88	22.30	8	360	36.50	80.40
4"	100	12.00	305	20.67	525	9.84	250	7.87	200.0	6.18	157	1.25	31.8	0.88	22.30	8	580	56.00	123.35
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	950	72.00	158.59
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	2400	99.00	218.06
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	4200	158.00	348.02
10"	250	18.00	457	44.80	1138	19.69	500	15.25	387.5	12.76	324	1.88	47.7	1.12	28.40	16	6800	280.0	616.74
12"	300	19.75	502	52.68	1338	23.62	600	17.76	451.0	15.00	381	2.00	50.8	1.25	31.75	16	9900	373.50	822.69



UNDER-3"



4"-UP

TC-CKF-ANSI VALVE

150 LB FLANGE END SWING CHECK VALVE

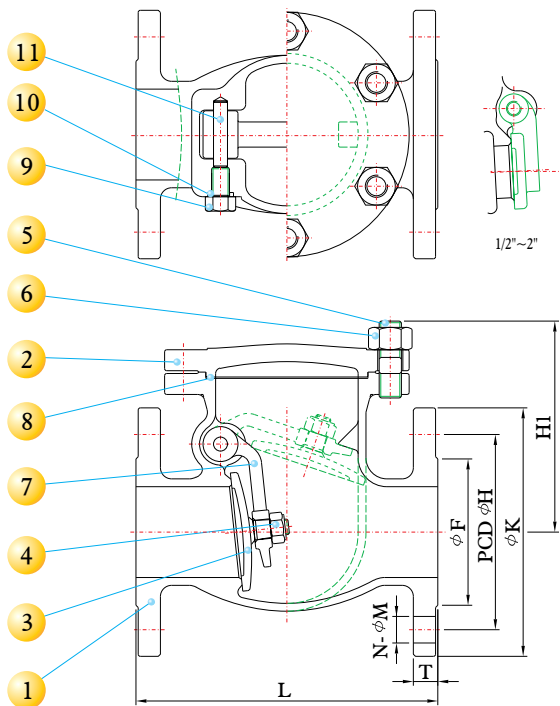


DESIGN FEATURES:

- 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
- TEST STANDARD: API 598
- Pressure/ Temperature ratings in accordance with ASME/ASTM B16.34

MATERIALS LIST

NO.	PART NAME	MATERIAL	Q'TY
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	4.63	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	8.00	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	9.50	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	13.00	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	14.00	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	19.50	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	24.50	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	27.50	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

TC-CKF-ANSI VALVE

300 LB FLANGE END SWING CHECK VALVE

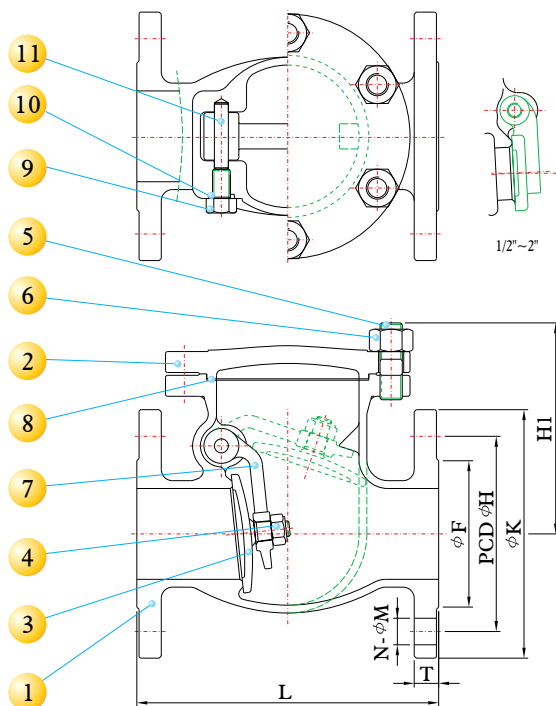


DESIGN FEATURES:

- 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
- Pressure/ Temperature ratings in accordance with ASME/ASTM 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	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	3.27	83	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	297	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