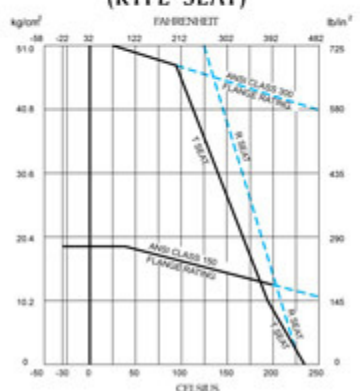


## SERIES 180-GO FULL PORT FLANGED GEAR OPERATOR BALL VALVES

### DESIGN FEATURES:

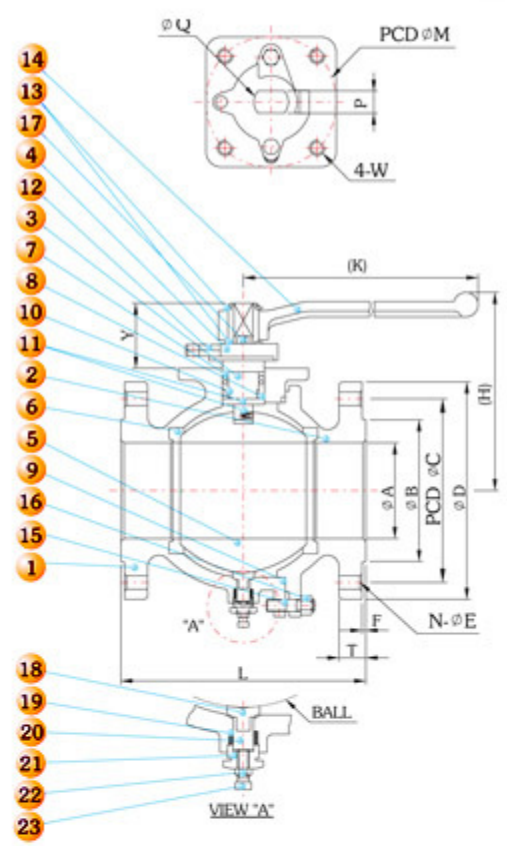
- FACE TO FACE: ANSI B16.10
- FLANGE DIMENSION: ANSI B16.5
- WALL THICKNESS: ANSI B16.34
- TEST STANDARD: API 598
- GEAR OPERATION

### PRESSURE TEMPERATURE RATINGS (RTFE SEAT)



### MATERIALS LIST

NO.	PART NAME	MATERIAL		QTY
		STAINLESS STEEL	CARBON STEEL	
1	BODY	ASTM A351 Gr.CF8M	ASTM A216 WCB	1
2	CAP	ASTM A351 Gr.CF8M	ASTM A216 WCB	1
3	STEM	ASTM A276 Gr.316	ASTM A276 Gr.304	1
4	GLAND	SS304	STEEL	1
5	BALL	ASTM A351 Gr.CF8M	ASTM A351 Gr.CF8	1
6	SEAT	REINFORCED PTFE		2
7	PACKING	GRAFOIL		1
8	THRUST WASHER	RPTFE		2
9	GASKET	RPTFE		1
10	STEM BEARING	RPTFE		1
11	ANTI-STATIC	SS304	SS304	2
12	TRAVEL STOPPER	SS304	STEEL PLATED	1
13	SNAP RING	STEEL	STEEL	2
14	HANDLE	ASTM A536 Gr.65-45-12		1
15	STUD BOLT	ASTM A193 Gr.B8	STEEL	4-16
16	SET NUT	ASTM A194 Gr.8M	STEEL	4-16
17	GLAND BOLT	SS304	STEEL	2
18	PIN SEAT	RPTFE	RPTFE	1
19	PIN PACKING	RPTFE	RPTFE	1
20	SUPPORT PIN	SS304	SS304	1
21	SUPPORT NUT	SS304	SS304	1
22	SET NUT	SS304	SS304	1
23	TUNING SCREW	SS304	SS304	1



### DIMENSIONS

#### ANSI-150 2-PC F/P FLANGE BALL VALVE

SIZE	A		B		C		D		E		F		H		K		L		M	N	T		P	Q	Y	W	Cv Factor	Weight	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			inch	mm						kg	Lb
10"	250	10	250	12.76	324	14.25	362	16	406	0.98	25	0.06	1.6	GEAR OPERATION		21	533	140	12	1.19	30.2	35	50	98	M16	16000	204.5	450.44	
12"	300	12	300	15.00	381	17.00	432	19	483	0.98	25	0.06	1.6	GEAR OPERATION		24	610	140	12	1.25	31.8	35	50	98	M16	24000	286.0	629.96	

#### ANSI-300 2-PC F/P FLANGE BALL VALVE

SIZE	A		B		C		D		E		F		H		K		L		M	N	T		P	Q	Y	W	Cv Factor	Weight	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm			inch	mm						kg	Lb
10"	250	10	250	12.76	324	15.26	387.5	17.48	444	1.14	29	0.06	1.6	GEAR OPERATION		22.36	568	140	16	1.88	47.7	35	50	98	M16	16000	295.0	649.78	
12"	300	12	300	15.00	381	17.76	451.0	20.51	521	1.26	32	0.06	1.6	GEAR OPERATION		25.51	648	140	16	2.00	50.8	35	50	98	M16	24000	402.0	885.46	