

Super-Tek Seat

SS

2000 WOG

Fusion Series

T23-SS-F-G-G-L-???-XS?

FIRESAFE PER API 607-5

SIZE		Ø D		W		d		Ø G		H		C		I		Ø J		K		A		M	P		FO
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		inch	mm	
1/4"	8	0.43	11	5.31	135	3.00	76.20	1.42	36	5.16	131.06	0.94	24	0.20	5	0.31	8	0.35	9	2.32	59	M5	0.57	14.50	F04
3/8"	10	0.49	12.50	5.31	135	3.00	76.20	1.42	36	5.16	131.06	0.94	24	0.20	5	0.31	8	0.35	9	2.32	59	M5	0.57	14.50	F04
1/2"	15	0.59	15	5.31	135	3.00	76.20	1.42	36	5.28	134.11	1.06	26	0.20	5	0.31	8	0.45	11.50	2.52	64	M5	0.69	17.50	F04
3/4"	20	0.79	20	5.31	135	3.00	76.20	1.42	36	5.49	139.45	1.28	32.50	0.24	6	0.39	10	0.55	14	2.87	73	M5	0.79	20	F04
1"	25	0.98	25	6.50	165	3.00	76.20	1.65	42	5.79	147.06	1.52	38.60	0.31	8	0.47	12	0.65	16.50	3.35	85	M5	0.91	23	F05
1 1/4"	32	1.26	32	6.50	165	3.00	76.20	1.65	42	5.91	150.11	1.63	41.50	0.31	8	0.47	12	0.65	16.50	3.94	100	M5	0.91	23	F05
1 1/2"	40	1.50	38	9.65	245	3.00	76.20	1.97	50	6.54	166.11	2.01	51.15	0.31	8	0.55	14	0.79	20	4.53	115	M6	1.06	27	F07
2"	50	1.97	50	9.65	245	3.00	76.20	1.97	50	7.09	180.08	2.56	65	0.39	10	0.55	14	0.79	20	5.28	134	M6	1.06	27	F07

Top view of the valve handle assembly. Dimensions shown: d (overall height), C (height to handle), and 10 (handle nut).

Side view of the valve assembly. Numbered callouts: 1 (Body), 2 (End Cap), 3 (Seat), 4 (Ball), 5 (Gasket), 6 (Thrust Washer), 7 (Stem Packing), 8 (Stem), 9 (Gland), 10 (Handle Washer), 11 (Handle Nut), 12 (Handle), 13 (Handle Cover), 14 (Stop Screw), 15 (Locking Device), 16 (Anti-Static Device). Dimensions shown: W (width), H (height), K (height to handle), P (height to handle cover), Ø D (ball diameter), A (flange diameter).

DETAIL D: Close-up of the stem packing area showing the stem (8) and stem packing (7).

Actuator ISO Mounting Flange 5211 diagram. Dimensions shown: Ø J (flange diameter), Ø G (flange hole diameter), and M (flange hole).

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No.	Parts	Material
1	Body	ASTM A351 CF8M
2	End Cap	ASTM A351 CF8M
3	Seat	Super-Tek (TFM 1600)
4	Ball	ASTM A351 CF8M
5	Gasket	Graphite
6	Thrust Washer	TFM
7	Stem Packing	GRAPHITE
8	Stem	A276-316 / 17-4PH
9	Gland	SS304
10	Handle Washer	SS304
11	Handle Nut	SS304
12	Handle	SS304
13	Handle Cover	PVC
14	Stop Screw	SS304
15	Locking Device	SS304
16	Anti-Static Device	SS316

PRESSURE RATING 2000 WOG	
SEAT TEST @ 80~100 PSI	ASME B16.34
SHELL TEST @ 2175 PSI	ASME B16.34
PRESSURE TEMPERATURE RATING	ASME B16.34
END CONNECTION	ASME B16.11
JOINT STRENGTH	ASME B16.34
WALL THICKNESS	ASME B16.34
BASIC DESIGN	ASME B16.34

FOR CERTIFIED
DRAWING CONSULT
FACTORY

Drawn by : M
Checked by : M
Approved by : M

Date : June 24, 2019
Date : June 24, 2019
Date : June 24, 2019

Scale : Not To Scale
Unit : Inch
Material : See Notes

Rev : 0
Sheet : xxx

Drawing Title: NPT - FULL PORT BALL VALVE
Drawing No.: DS-T23SSFGGL???XS?

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