

Super-Tek Seat

SS

2000 WOG

Fusion Series

T23-SS-F-F-G-O-???

NON FIRESAFE PER API 607-5

SIZE		Ø D		d		Ø G		H		C		I		Ø J		K		A		M	P		E		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	3.58	90.93	1.42	36	2.40	60.96	0.94	24	0.20	5	0.31	8	0.35	9	2.32	59	M5	0.57	14.50	2.20	55.88	F04
3/8"	10	0.49	12.50	3.58	90.93	1.42	36	2.40	60.96	0.94	24	0.20	5	0.31	8	0.35	9	2.32	59	M5	0.57	14.50	2.20	55.88	F04
1/2"	15	0.59	15	3.58	90.93	1.42	36	2.52	64.00	1.06	26	0.20	5	0.31	8	0.45	11.50	2.52	64	M5	0.69	17.50	2.20	55.88	F04
3/4"	20	0.79	20	3.58	90.93	1.42	36	2.74	69.60	1.28	32.50	0.24	6	0.39	10	0.55	14	2.87	73	M5	0.79	20	2.20	55.88	F04
1"	25	0.98	25	4.88	123.95	1.65	42	3.66	92.96	1.52	38.60	0.31	8	0.47	12	0.65	16.50	3.35	85	M5	0.91	23	2.76	70.10	F05
1 1/4"	32	1.26	32	4.88	123.95	1.65	42	3.78	96.01	1.63	41.50	0.31	8	0.47	12	0.65	16.50	3.94	100	M5	0.91	23	2.76	70.10	F05
1 1/2"	40	1.50	38	5.28	134.11	1.97	50	4.27	108.71	2.01	51.15	0.31	8	0.55	14	0.79	16.50	4.53	115	M6	1.06	27	3.31	84.07	F07
2"	50	1.97	50	5.28	134.11	1.97	50	4.80	121.92	2.56	65	0.39	10	0.55	14	0.79	20	5.28	134	M6	1.06	27	3.31	84.07	F07

Top view of the valve handle assembly. Dimensions shown: E (overall width), C (height of the handle base). An oval handle is indicated.

Cross-sectional view of the valve assembly. Numbered callouts 1 through 16 identify various components. Dimensions shown: d (overall width), H (height), K (height of the handle), P (height of the body), A (width of the body), Ø D (body diameter), Ø J (flange diameter), Ø G (flange hole diameter), M (flange hole diameter), and a pressure release hole.

Detail D: Close-up of the stem and packing area. Callout 7 points to the stem packing.

Actuator ISO Mounting Flange 5211

Diagram of the actuator ISO mounting flange. Dimensions shown: Ø J (flange diameter), Ø G (flange hole diameter), and M (flange hole diameter).

QR CODE

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	TFM
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

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 21, 2019

Date : June 21, 2019

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Scale : Not To Scale

Unit : Inch

Material : See Notes

Rev : 0

Sheet : xxx

Drawing Title: NPT - FULL PORT BALL VALVE

Drawing No.: DS-T23SSFFGO???

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