

Flo-Tite, Inc.

Valves & Controls

TRUNNION MOUNTED BALL VALVES

TM - SERIES

Valves for oil, gas, pipeline
and industrial applications
Flanged or Butt Weld
ANSI Class 150 thru 2500
2" thru 42"
API6D - Compliance



2 & 3 PC. DESIGNS

- 2-pc Valves are provided for ANSI #150, #300, #600 and #900 classes. These would be made from a sand cast design. 2-pc valves provide maximum protection against pipeline stresses and thermal distortion.
- 3-pc Valves are provided for ANSI #1500 and #2500 classes. These would be made from a forged metal design. This eliminates possible defects of castings and assured uniform, tough structures of valve at full rated working pressures. 3-pc, forged valves can also be provided in the smaller ANSI classes upon request.
- Secondary / emergency sealing is standard on all valves.
- TM Series valves are available for Piggable Service, C/F
- Special Pig launcher designs

ENGINEERED FOR HEAVY - DUTY, MAINTENANCE FREE SERVICE

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CLASS 1500 FLANGED TO ASME B16.5

SIZE	2	2 1/2	3	4	6	8	
d1	2.0	2.5	3.0	4.0	6.0	8.0	
L	RF&BW	14.5	16.5	18.5	21.5	27.75	32.75
	RTJ	14.62	16.62	18.62	21.62	28.00	33.13
H1	5.0	6.2	7.5	8.5	11.7	14.9	
H2	8.5	9.5	10.2	11.7	14.4	18.7	
E	/	4.6	4.6	4.6	6.7	10.1	
F	/	13.8	13.8	13.8	16.5	15.7	
W	25.6	23.6	23.6	23.6	31.5	31.5	
Wt (LBS)	110	165	255	475	830	1495	

(Above dimensions in inches)

**BASE BALL VALVE IDENTIFICATION CODE
TM-SERIES - TRUNNION MOUNTED DESIGN**

MODEL	PRESSURE CLASS	END CONNECTION		BORE/PORT		BODY DESIGN		BODY MATERIAL		BALL/STEM RETAINER MATERIAL	
TM	150	FLANGED	F	FULL	F	2 PC	2	316 SS CF8M	SS	316 SS CF8M	SS
TM	300	RTJ	J	REDUCE	R	3 PC	3	304 SS CF8	S4	304 SS CF8	S4
TM	600	BUTT WELD	B					WCB A216	CS	WCB A216/ENP	CS
TM	900	SOCKET WELD	S					FORGED STEEL A105	FS	FORGED STEEL A105/HCR	FS
TM	1500							LF2 A350	LF	LF2 A350	LF
TM	2500							LCB A352	LC	LCB A352	LC
FULL DETAILED IDENTIFICATION CODES											
Marking System Complys with MSS SP.25.1998				SEAT MATERIAL		STEM SEAL MATERIAL		BODY SEAL MATERIAL		VALVE OPERATOR	
				RPTFE	R	RPTFE	R	RPTFE	R	LEVER	M
				NYLON	N	NYLON	N	NYLON	N	LOCKING LEVER	L
				VITON	V	VITON	V	VITON	V	OVAL	O
				UHMWPE	U	UHMWPE	U	UHMWPE	U	GEAR	G
				PEEK	P	PEEK	P	PEEK	P	ACTUATOR	A
METAL	M	GRAPHITE	G	GRAPHITE	G	BARE STEM	B				

Ordering Example: ANSI 600 / FLANGED / REDUCE PORT / 2 PC / CARBON BODY

TM SERIES	ANSI 600	FLANGED	REDUCE PORT	2 PC	CARBON BODY
MODEL	PRESSURE CLASS	END CONNECTION	BORE / PORT SIZE	BODY DESIGN	BODY MATERIAL
TM	600	F	R	2	CS

Part Number: TM-600-F-R-2-CS

- IMPORTANT NOTES:**
- Valve special feature codes can be found on Tech Bulletin Page 191-07
 - Materials indicated in this chart are considered as standards. Flo-Tite can provide many other materials for a broad range of applications.

VALVE TORQUE AND CV VALUES

SIZE	CLASS	2	3	4	6	8	10	12	14
TORQUE INCH LBS	150	360	1100	1900	3900	8300	9000	16000	20000
TORQUE INCH LBS	300	888	1890	3200	4895	9100	16500	23500	28950
TORQUE INCH LBS	600	1500	3215	5500	8300	19500	28300	38300	66000
TORQUE INCH LBS	900	2140	4350	7915	15700	37400	47060	83870	112650
CV	APPROX	500	1280	2200	5200	9950	17600	25800	29000

* Torque at maximum rated pressures, clean water RPTFE or nylon standard seating materials. (optional materials exhibit different torques). Torques shown in this table are to be used as a guide for actuator selection. Additional requirements may be imposed by media characteristics, trim and frequency of valve operation, consult factory for additional information.

Flo-tite offers custom engineered solutions to suit severe service conditions and clients special needs.