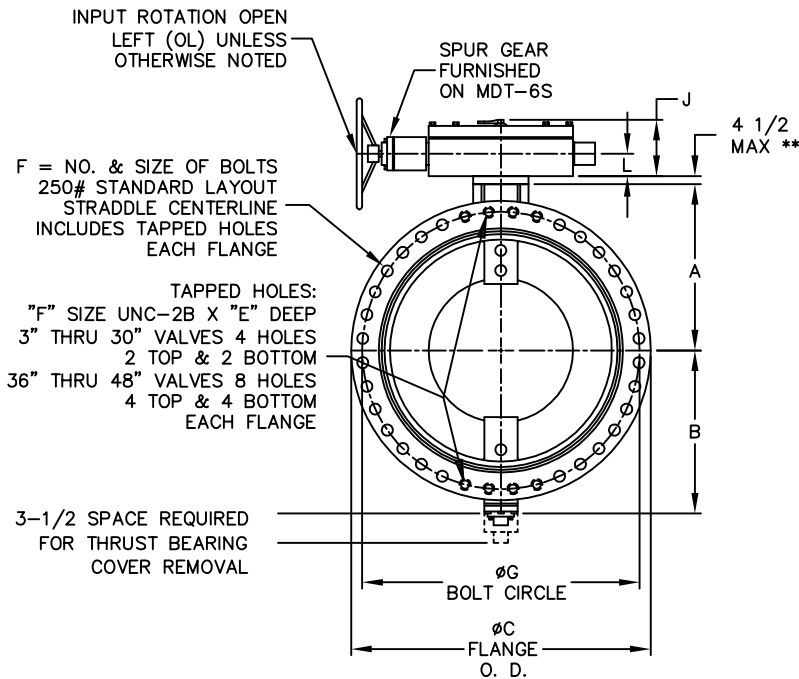


↑ FOR UNI-DIRECTIONAL SERVICE ACTUATOR IS SIZED FOR FLOW IN THIS DIRECTION ONLY SEE NOTE 8

↑ FOR BI-DIRECTIONAL SERVICE ACTUATOR IS SUITABLE FOR FLOW IN EITHER DIRECTION SEE NOTE 8

ACTUATOR POSITION 1



NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. "D" DIMENSION ±1/8".
3. FOR BOLTS SMALLER THAN Ø1-3/4, BOLT HOLES WILL BE 1/8" LARGER THAN DIAMETER OF BOLT. FOR BOLTS Ø1-3/4 OR LARGER, BOLT HOLES WILL BE 1/4" LARGER THAN DIAMETER OF BOLT.
4. DIMENSIONS AND DRILLING OF END FLANGES CONFORM TO THE AMERICAN CAST IRON FLANGE STANDARDS, CLASS 250 (B16.1).
5. RECOMMENDATION FOR MATING FLANGES: WHERE INSULATING BUSHINGS ARE USED, IT IS NECESSARY THAT BOLT HOLES BE DRILLED OVERSIZE BY AN AMOUNT EQUAL TO TWO TIMES THE INSULATING SLEEVE THICKNESS TO MAINTAIN THE SAME MINIMUM CLEARANCE FOR BOLTS.
6. CAUTION: IT IS RECOMMENDED THAT VALVES BE INSTALLED INTO THE PIPING SYSTEM IN ACCORDANCE WITH AWWA M-11 IN ORDER TO PREVENT ANY UNDUE PIPING STRESS, DEFLECTION OR BENDING THAT MAY EFFECT THE PERFORMANCE OF THE VALVE.
7. A DIMENSION OF 7-1/2 MAX MAY BE REQUIRED TO INCLUDE HEIGHT OF SPACER BONNET FOR CLEARANCE OF HANDWHEEL OR CHAINWHEEL IN POSITION 2.
8. SEAT SIDE AND FLOW DIRECTION APPLIES TO 6" AND LARGER E-LOK SEAT VALVE ONLY. 3 AND 4" VALVES ARE BONDED SEAT VALVES.

ACTUATOR SIZE	J	L	M	N	P	Q	R	S	T	V	W	NUMBER OF TURNS
MDT-2S	4-11/16	2	2-1/8	2	4-1/2	4-1/2	8-1/4	7-7/8	7-7/8	8	9-1/8	32
MDT-3S	5-5/8	2-7/16	3-1/4	3-5/32	5-5/8	5-3/8	10-3/8	10-1/2	10-1/8	12	9-1/8	30
MDT-4S	6-3/8	2-27/32	3-3/8	4	7-5/16	6-3/4	11-5/16	11-1/2	11	12	9-1/8	40
MDT-5	7-9/16	3-15/32	4-1/2	5-1/2	8-3/4	10	17	17 3/16	17-3/16	18	16-7/16	44
MDT-5S	8-5/16	3-15/16	5-1/2	3-5/8	10-1/2	15-15/16	19-7/8	20	19-13/16	24	22-1/4	136
MDT-6S	10-3/16	5-1/16	7	8-1/4	12-5/8	14-3/16	26-1/2	27-3/4	27-1/2	24	22-1/4	215

VALVE SIZE	A	B	C	D	E	F	G
3	4-3/4	3-1/4	8-1/4	5	1-1/8	8--3/4	6-5/8
4	5-1/2	3-1/2	10	5	1-1/4	8--3/4	7-7/8
6	7-1/4	8-3/8	12-1/2	6	1-1/2	12--3/4	10-5/8
8	8-1/2	9-5/8	15	8	1-5/8	12--7/8	13
10	9-3/4	11	17-1/2	8	1-7/8	16--1	15-1/4
12	11-1/2	12-5/8	20-1/2	8	2	16--1-1/8	17-3/4
14	12-3/4	13-7/8	23	12	2-1/8	20--1-1/8	20-1/4
16	14	15-1/8	25-1/2	12	2-1/4	20--1-1/4	22-1/2
18	15-1/4	16-3/8	28	12	2-3/8	24--1-1/4	24-3/4
20	17	17-5/8	30-1/2	12	2-1/2	24--1-1/4	27
24	19-3/4	20-1/4	36	12	2-3/4	24--1-1/2	32
30	25-5/8	26	43	12	3	28--1-3/4	39-1/4
36	28-1/8	31-1/8	50	15	3-3/8	32--2	46
42	32-1/8	35-1/8	57	15	3-11/16	36--2	52-3/4
48	36-1/4	39-5/8	65	15	4	40--2	60-3/4

FLANGE THICKNESS "E" TOLERANCES	
3" THRU 12"	+1/8" - 0"
14" THRU 24"	+3/16" - 0"
30" THRU 48"	+1/4" - 0"

REV	DATE	DESCRIPTION	DWN	APP
7	10/3/17	ADDED NOTE 8	SAD	SS
6	9/2/14	REVISED 4F, 16C, MDT-5S N	JWD	RF
5	9/2/14	1-1/2 WAS 1-7/16, ADDED TOL. BLOCK	JUR	RCB
4	4-15-11	3-1/4 WAS 4-1/8, 3-1/2 WAS 4-1/8	JLM	RCB
3	4/3/06	ADDED 3" VALVE SIZE	JH	DWB
2	12/7/05	25-1/2 WAS 25-1/5, 4-1/8 WAS 3-1/2	JH	CEG
1	11-21-01	REVISED TITLE BLOCK	MJH	DWB

**PRATT**

GENERAL ARRANGEMENT DRAWING  
TRITON HP-250 VALVE FLANGED ENDS  
MDT MANUAL ACTUATOR

SCALE	NONE	DATE	05-07-01
DRAWN BY	MJH	CHECKED BY	DWB
APPROVED	GA=BORDER		
DRWG. NO.	S-2038	REV	7
			A/C