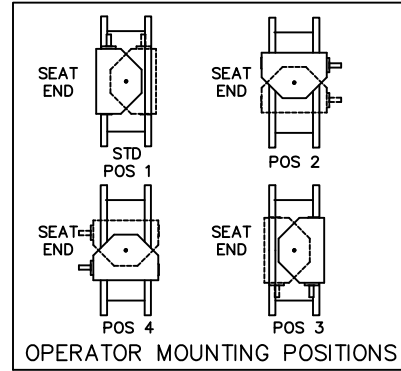
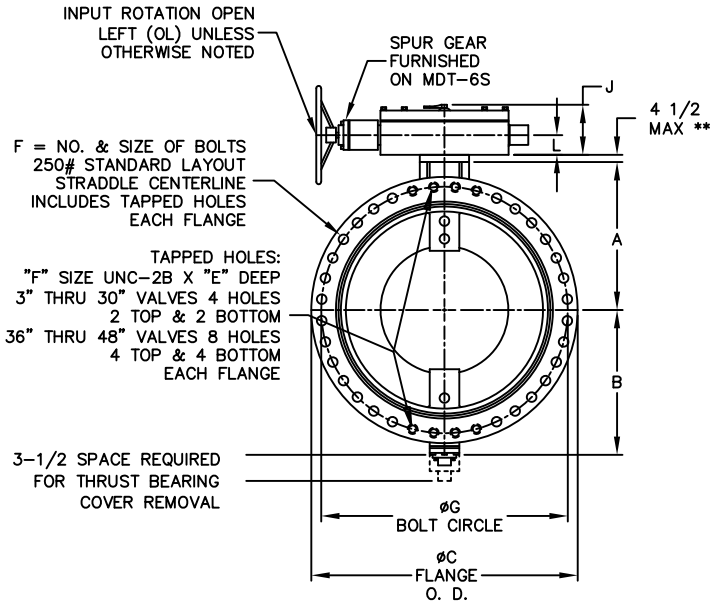


ACTUATOR POSITION 1



OPERATOR MOUNTING POSITIONS
A. CHECK WITH FACTORY WHEN SELECTING ALTERNATE MIRROR ACTUATOR STYLES.



F = NO. & SIZE OF BOLTS
250# STANDARD LAYOUT
STRADDLE CENTERLINE
INCLUDES TAPPED HOLES
EACH FLANGE

TAPPED HOLES:
"F" SIZE UNC-2B X "E" DEEP
3" THRU 30" VALVES 4 HOLES
2 TOP & 2 BOTTOM
36" THRU 48" VALVES 8 HOLES
4 TOP & 4 BOTTOM
EACH FLANGE

3-1/2 SPACE REQUIRED
FOR THRUST BEARING
COVER REMOVAL

↑ 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

NOTES:

1. ALL DIMENSIONS SHOWN IN INCHES.
2. "D" DIMENSION $\pm 1/8"$.
3. FOR BOLTS SMALLER THAN $\phi 1-3/4$, BOLT HOLES WILL BE $1/8"$ LARGER THAN DIAMETER OF BOLT. FOR BOLTS $\phi 1-3/4$ 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	18	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

REV	DATE	DESCRIPTION	DWN	APP
9	5/2/23	ADDED POSITION CHART	RTF	RF
8	6/28/18	CHANGED "V" DIM.	LF	JUR
7	10/3/17	ADDED NOTE 8	SAD	SS
6	9/2/14	REVISED 4F, 16C, MDT-5S N	JWD	RF

PRATT
a MUeller brand

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 9 A/C

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