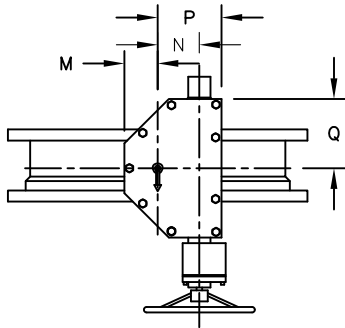
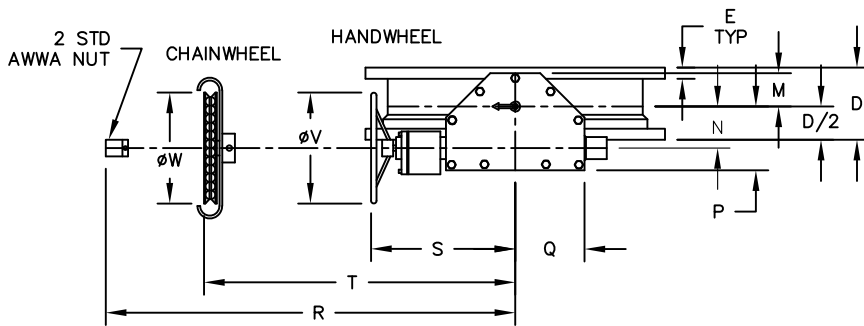


ACTUATOR SIZE	J	L	M	N	P	Q	R	S	T	V	W	NUMBER OF TURNS
MDT-3S	5-5/8	2-7/16	3-1/4	3-5/32	5-5/8	5-3/8	10-3/8	10-1/2	10-1/8	12	9-1/8	30
MDT-4S	6-3/8	2-27/32	3-3/8	4	7-5/16	6-3/4	11-5/16	11-1/2	11	12	9-1/8	40
MDT-5	7-9/16	3-15/32	4-1/2	5-1/2	8-3/4	10	17	17 3/16	17-3/16	18	16-7/16	44
MDT-5S	8-5/16	3-15/16	5-1/2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

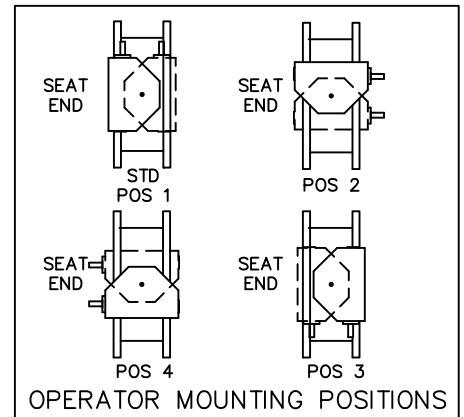


ALTERNATE POSITION 4

VALVE SIZE	150 PSI						
	A	B	C	D	E	F	G
24	18-5/8	18-3/8	32	8	1-7/8	20--1-1/4	29-1/2
30	21-1/2	24-3/8	38-3/4	12	2-1/8	28--1-1/4	36
36	25-7/16	28-1/4	46	12	2-7/16	32--1-1/2	42-3/4
42	29-7/8	32-11/16	53	12	2-5/8	36--1-1/2	49-1/2
48	34-1/16	36-7/8	59-1/2	15	2-3/4	44--1-1/2	56
54	37-1/2	40-11/16	66-1/4	15	3	44--1-3/4	62-3/4
60	41-3/4	45-3/16	73	15	3-1/8	52--1-3/4	69-1/4
66	46-1/16	49-1/2	80	18	3-3/8	52--1-3/4	76
72	50	53-1/8	86-1/2	18	3-1/2	60--1-3/4	82-1/2



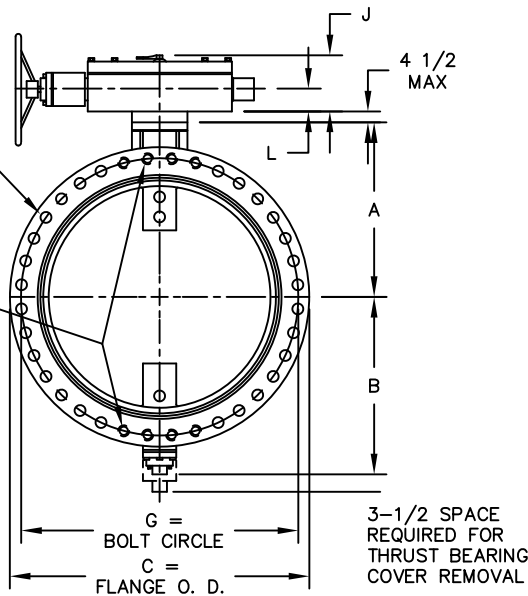
ACTUATOR POSITION 1



A. CHECK WITH FACTORY WHEN SELECTING ALTERNATE MIRROR ACTUATOR STYLES.

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

TAPPED HOLES:
"F" SIZE UNC-2B X "E" DEEP
24" VALVE 4 HOLES
2 TOP & 2 BOTTOM
30" & UP 8 HOLES
4 TOP & 4 BOTTOM
EACH FLANGE



TOLERANCES

FLANGE THICKNESS "E":	$\pm 1/4"$ 0
LAYING LENGTH "D":	
24" THRU 72"	$\pm 1/8"$
BOLT CIRCLE "G":	$\pm 1/16"$
FLANGE O.D."C":	
24" THRU 48"	$\pm 3/16"$
54" THRU 72"	$\pm 1/4"$

NOTES:

- ALL DIMENSIONS SHOWN IN INCHES.
- "D" DIMENSION $\pm 1/8"$.
- 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.
- DIMENSIONS AND DRILLING OF END FLANGES CONFORM TO THE AMERICAN CAST IRON FLANGE STANDARDS, CLASS 125 (B16.1).
- VALVES MANUFACTURED & TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504 LATEST REVISION, CLASS 150B.
- 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.
- CAUTION: IT IS RECOMMENDED THAT VALVES BE INSTALLED INTO PIPING SYSTEM IN ACCORDANCE WITH AWWA M-11 TO PREVENT ANY UNDUE PIPING STRESS, DEFLECTION OR BENDING THAT MAY EFFECT THE PERFORMANCE OF THE VALVE.

5	4/29/23	ADDED POSITION CHART	RTF	RF
4	1/14/22	ADDED ALTERNATE POSITION	RTF	RF
3	07/18/17	UPDATED TITLE BLOCK/LOGO	JWD	RF
2	04/29/11	ADD TOL, REVISED DIM	JLM	ROB
1	03/12/10	REMOVED 25 & 75 LB.	MZ	CEM
REV	DATE	DESCRIPTION	DWN	APP

PRATT
a Mueller brand

GENERAL ARRANGEMENT DRAWING
24" - 72" XR70 FLG BFV
MDT MANUAL ACTUATOR

SCALE NONE DATE 1-20-09
DRAWN BY CEM CHECKED BY JLR
APPROVED GA=BORDER
DRWG. NO. GA-11863 REV 5 A/C