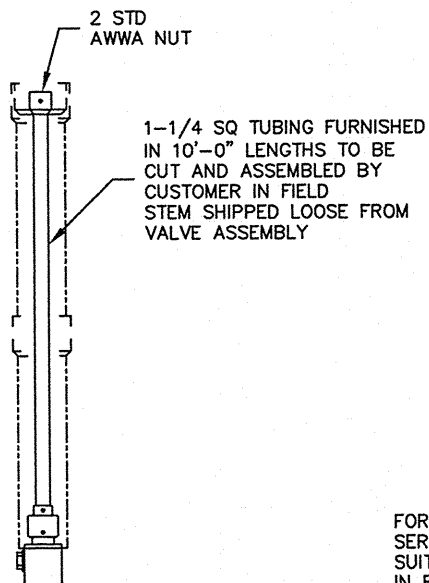


ACTUATOR SIZE	J	L	M	N	P	Q	R	NUMBER OF TURNS
MDT-2S	4-11/16	2	2-1/8	2	4-1/2	4-1/2	8-1/4	32
MDT-3S	5-5/8	2-7/16	3-1/4	3-5/32	5-5/8	5-3/8	10-3/8	30
MDT-4S	6-3/8	2-27/32	3-3/8	4	7-5/16	6-3/4	11-5/16	40
MDT-5	7-9/16	3-15/32	4-1/2	5-1/2	8-3/4	10	17	44
MDT-5S	8-5/16	3-15/16	5-1/2	3-5/8	10-1/2	15-15/16	19-7/8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

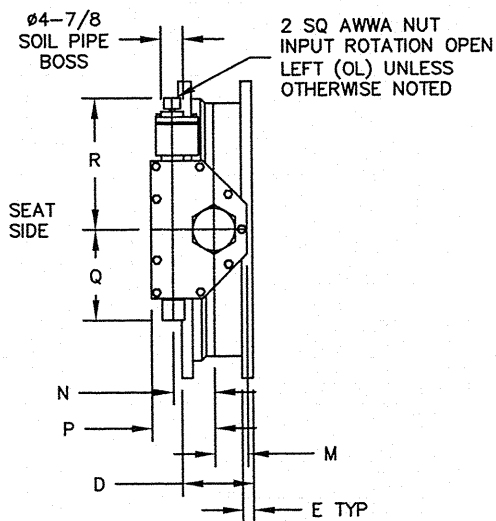
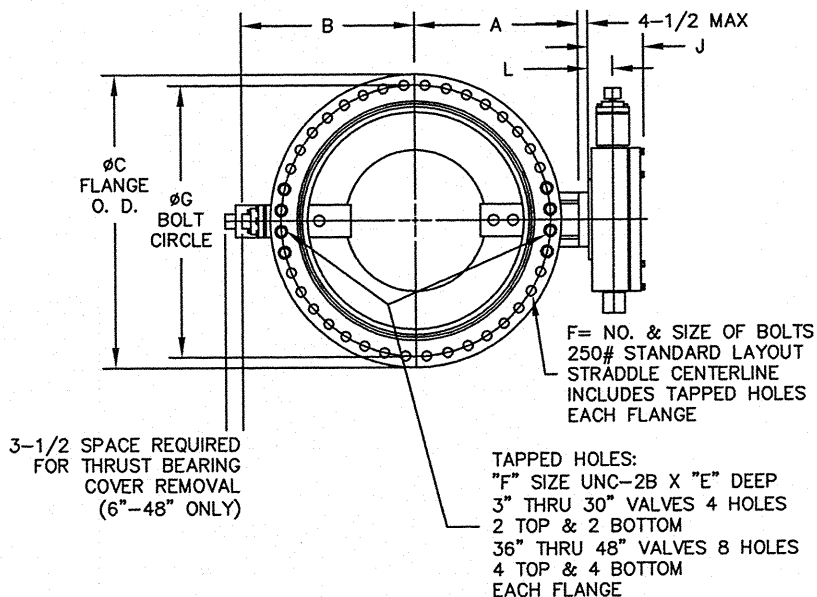


OPTIONAL EXTENSION STEM ARRANGEMENT

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

FOR BI-DIRECTIONAL SERVICE ACTUATOR IS SUITABLE FOR FLOW IN EITHER DIRECTION

FOR UNI-DIRECTIONAL SERVICE ACTUATOR IS SIZED FOR FLOW IN THIS DIRECTION ONLY



ACTUATOR POSITION 1

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 250 (B16.1).
- 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 THE PIPING SYSTEM IN ACCORDANCE WITH AWWA M-11 IN ORDER TO PREVENT ANY UNDUE PIPING STRESS, DEFLECTION OR BENDING THAT MAY AFFECT THE PERFORMANCE OF THE VALVE.
- EXTENSION STEM CAN BE USED WITH STANDARD VALVE BOXES OR 5" SOIL PIPE.

3	12/27/16	REVISED MDT-6S "J" REVISED MDT-5S "N"	JWD	PP
2	4/14/11	REVISED "E" COLUMN	JLM	RCB
1	10/6/09	48E WAS 4	SK	RCB
REV	DATE	DESCRIPTION	DWN	APP

PRATT

3"-48" HP250 VALVE
ANSI 250# FLG
MDT BURIED SERVICE ACTUATOR

SCALE	NONE	DATE	1/30/05
DRAWN BY	CEM	CHECKED BY	JR
APPROVED	GA=BORDER		
DRWG. NO.	GA-11870	REV	3
			A/C