2 STD AWWA NUT

CHAINWHEEL

D/2

H

D

E

TYP

HANDWHEEL

T

R

ACTUATOR POSITION 1

NOTE: INPUT ROTATION OPEN LEFT (OL) UNLESS OTHERWISE NOTED.

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

TAPPED HOLES "F" UNC 2B X E DEEP VALVE NO. TAPPED HOLES (EACH FLANGE)

3"-16"

18" & 20" 2-TOP; 2-BOTTOM

BOLT CIRCLE

FLANGE O.D.

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 | 4-1/4 | 8-1/4 | 7-7/8 | | | | 32
MDT-3S | 5-5/8 | 2-7/16 | 3-1/4 | 3-5/32 | 5-5/8 | 5-3/8 | | | | | | 30
MDT-4S | 6-3/8 | 2-27/32 | 3-3/8 | 4 | 7-5/16 | | | | | | | 40
MDT-5 | 7-9/16 | 3-15/32 | 4-1/2 | 5-1/2 | 8-3/4 | | | | | | | 44

VALVE SIZE | A | B | C | D | E | F | G
--- | --- | --- | --- | --- | --- | --- | ---
3 | 4-3/4 | 3-1/4 | 7-1/2 | 5 | 13/16 | 4-5/8 | 6
4 | 5-1/2 | 3-1/4 | 9 | 5 | 1 | 8-5/8 | 7-1/2
6 | 6-1/2 | 5-1/6 | 11 | 5 | 1-1/16 | 8-3/4 | 9-1/2
8 | 7-3/4 | 6-1/2 | 13-1/2 | 6 | 1-3/16 | 8-3/4 | 11-3/4
10 | 9 | 9-7/8 | 16 | 8 | 1-3/16 | 12-7/8 | 14-1/4
12 | 10-1/2 | 11-3/8 | 19 | 8 | 1-5/16 | 12-7/8 | 17
14 | 11-7/8 | 12-3/4 | 21 | 8 | 1-3/8 | 13-1/2 | 18-3/4
16 | 13-1/2 | 14-3/8 | 23-1/2 | 8 | 1-7/16 | 16-1/4 | 21-1/4
18 | 14-3/8 | 15-1/4 | 25 | 8 | 1-9/16 | 16-1/16 | 22-3/4
20 | 16 | 16-7/8 | 27-1/2 | 8 | 1-11/16 | 20-1-1/8 | 25

NOTES:
1. ALL DIMENSIONS SHOWN IN INCHES.
2. "D" DIMENSION ±1/16" FOR 3" THRU 10" VALVES.
   "D" DIMENSION ±1/8" FOR 12" THRU 20" VALVES.
3. FOR BOLTS SMALLER THAN #1-3/4, BOLT HOLES WILL BE 1/8" LARGER THAN DIAMETER OF BOLT.
   FOR BOLTS #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 125 (B16.1).
5. VALVES MANUFACTURED & TESTED IN ACCORDANCE WITH AWWA SPECIFICATION C-504 LATEST REVISION, CLASS 150B.
6. RECOMMENDATION FOR MATING FLANGES: WHERE INSULATING BUSHINGS ARE USED, IT IS NECESSARY THAT BOLT HOLES BE DRILLED O/SIZE BY AN AMOUNT EQUAL TO TWO TIMES THE INSULATING SLEEVE THICKNESS TO MAINTAIN THE SAME MINIMUM CLEARANCE FOR BOLTS.

TOLERANCES
FLANGE THICKNESS ±1/16"
LAYING LENGTH 10"
3" THRU 10" ±1/16"
12" THRU 20" ±1/8"
BOLT CIRCLE O.D. ±1/16"
FLANGE O.D. ±1/16"
3" THRU 10" ±1/16"
12" THRU 20" ±1/16"

Mueller Co.

GENERAL ARRANGEMENT DRAWING
LINESEAL III 150B BUTTERFLY VALVE
3"-20", FLANGED ENDS
MDT W/ MANUAL ACTUATOR

SCALE: N/A DATE: 1-30-05
DRAWN BY: REV. CHECKED BY: APPROVED: DA-BORDER
DRAWN. NO. GA-11864MS REV: 2 %