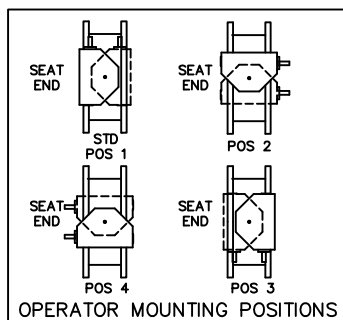
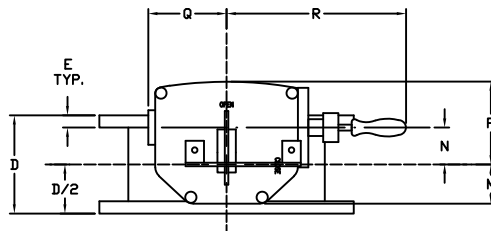
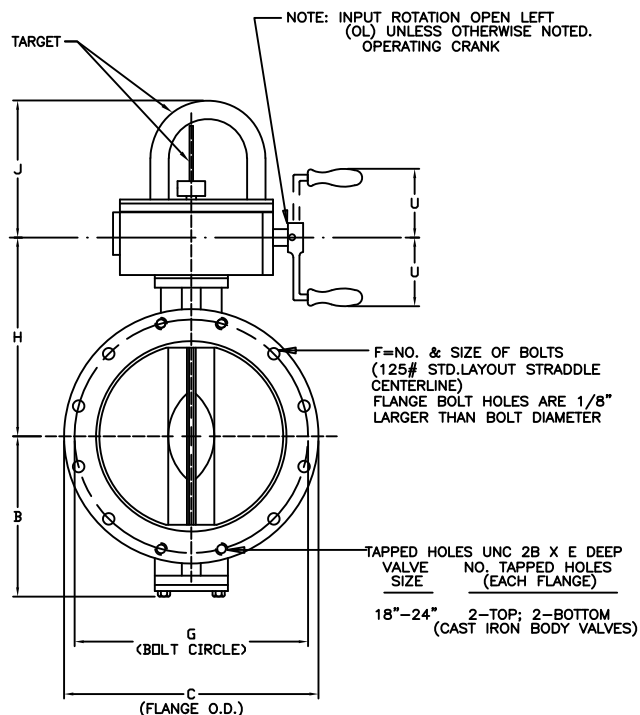


| VALVE SIZE | ACTUATOR SIZE | B      | C      | D (SEE NOTE 1) | E      | F         | G      | H        | J       | M     | N      | P      | Q        | R       | U       | NUMBER OF TURNS |
|------------|---------------|--------|--------|----------------|--------|-----------|--------|----------|---------|-------|--------|--------|----------|---------|---------|-----------------|
| 3          | MDT-2S        | 3-3/4  | 7-1/2  | 5              | 13/16  | 4--5/8    | 6      | 6-3/4    | 7-3/8   | 2-1/8 | 2      | 4-1/2  | 4-1/2    | 11      | 4-9/16  | 32              |
| 4          | MDT-2S        | 4-1/2  | 9      | 5              | 1      | 8--5/8    | 7-1/2  | 7-15/32  | 7-3/8   | 2-1/8 | 2      | 4-1/2  | 4-1/2    | 11      | 4-9/16  | 32              |
| 6          | MDT-2S        | 5-1/2  | 11     | 5              | 1-1/16 | 8--3/4    | 9-1/2  | 8-1/2    | 7-3/8   | 2-1/8 | 2      | 4-1/2  | 4-1/2    | 11      | 4-9/16  | 32              |
| 8          | MDT-2S        | 6-3/4  | 13-1/2 | 6              | 1-3/16 | 8--3/4    | 11-3/4 | 9-3/4    | 7-3/8   | 2-1/8 | 2      | 4-1/2  | 4-1/2    | 13-5/16 | 8-9/16  | 32              |
| 10         | MDT-3S        | 9-7/8  | 16     | 8              | 1-1/8  | 12--7/8   | 14-1/4 | 11-7/16  | 7-21/32 | 3-1/4 | 3-5/32 | 5-5/8  | 5-3/8    | 15-7/16 | 8-9/16  | 30              |
| 12         | MDT-3S        | 11-3/8 | 19     | 8              | 1-5/16 | 12--7/8   | 17     | 12-15/16 | 7-21/32 | 3-1/4 | 3-5/32 | 5-5/8  | 5-3/8    | 15-7/16 | 8-9/16  | 30              |
| 14         | MDT-3S        | 12-5/8 | 21     | 8              | 1-7/16 | 12--1     | 18-3/4 | 14-3/4   | 7-21/32 | 3-1/4 | 3-5/32 | 5-5/8  | 5-3/8    | 15-7/16 | 8-9/16  | 30              |
| 16         | MDT-4S        | 14-1/2 | 23-1/2 | 8              | 1-1/2  | 16--1     | 21-1/4 | 16-11/32 | 9-7/8   | 3-3/8 | 4      | 7-5/16 | 6-3/4    | 18-3/4  | 12-9/16 | 40              |
| 18         | MDT-4S        | 15-1/4 | 25     | 8              | 1-5/8  | 16--1-1/8 | 22-3/4 | 17-7/32  | 9-7/8   | 3-3/8 | 4      | 7-5/16 | 6-3/4    | 18-3/4  | 12-9/16 | 40              |
| 20         | MDT-5         | 17     | 27-1/2 | 8              | 1-3/4  | 20--1-1/8 | 25     | 19-15/32 | 11-5/32 | 4-1/2 | 5-1/2  | 8-3/4  | 10-1/8   | 24      | 12-9/16 | 44              |
| 24         | MDT-5S        | 18-5/8 | 32     | 8              | 1-7/8  | 20--1-1/4 | 29-1/2 | 23-5/16  | 12-1/8  | 5-1/2 | 3-5/8  | 10-1/2 | 15-15/16 | 26-7/8  | 12-9/16 | 136             |



A. IGNORE SEAT SIDE DESIGNATION ON BFV SIZE 3" -20"



#### NOTES:

- ALL DIMENSIONS SHOWN IN INCHES. "D" DIMENSION  $\pm 1/16$ " FOR 3" THRU 10" VALVES. "D" DIMENSION  $\pm 1/8$ " FOR 12" THRU 24" VALVES.
- DIMENSIONS AND DRILLING OF END FLANGES CONFORM TO THE AMERICAN CAST IRON FLANGE STANDARDS, CLASS 125 (B16.1).
- (RECOMMENDATIONS 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.
- VALVES MANUFACTURED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATIONS C-504.
- ACTUATOR MOUNTED IN POSITION AS SHOWN.
- VALVE ASSEMBLIES ARE UNDERWRITERS LABORATORIES (UL) LISTED AND APPROVED FOR USE IN FIRE PROTECTION SYSTEMS.

PAINT: INTERIOR OF VALVE: AMERCOAT 370 OXIDE RED. EXTERIOR OF VALVE (EXCEPT FLANGE FACES) AND ACTUATOR: SAFETY RED. TARGET: SAFETY YELLOW

|     |        |                                        |     |     |
|-----|--------|----------------------------------------|-----|-----|
| 6   | 5/5/23 | ADDED POSITION CHART                   | RTF | RF  |
| 5   | 5/9/16 | ADDED 3" VALVE TO TABLE AND REV. NOTES | JUR | RCB |
| 4   | -      | REV. DIM. REMOVED POSITION             | JUR | RCB |
| 3   | -      | REMOVED 4"-8" TAP NOTE                 | JUR | RCB |
| 2   | -      | REVISE 4" F; WAS 4--3/4                | RCB | JUR |
| 1   | -      | ADDED 24" MDT-5S                       | RCB | AA  |
| REV | DATE   | DESCRIPTION                            | DWN | APP |

**PRATT**

GENERAL ARRANGEMENT DRAWING  
IBV BUTTERFLY VALVES  
FLANGED ENDS  
(250#UL)

SCALE NONE DATE 2/23/15

DRAWN BY JUR CHECKED BY PPS

APPROVED GA=BORDER

DRWG. NO. GA-11961 REV 6 A/C