

# PRATT®

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## UL LISTED GROUNDHOG® BUTTERFLY VALVES & INDICATOR POST

### PRODUCT FEATURES

The Pratt UL Listed Groundhog Butterfly Valve and Style G Indicator Post provides a reliable assembly for use in buried service Fire Protection lines. It provides easy to see valve position indication from 300' (100 m) away and tight shut off to the service line when required.

#### GROUNDHOG VALVE

- Manually operated rubber seat Butterfly Valve with a high visibility target.
- Designed for buried or chamber service in Fire Protection Systems.
- 4" to 12" (DN100 - DN300) rated 175psig (12barg).
- 14" to 48" (DN350 - DN1200) rated 150psig (10barg).
- Conforms to AWWA C504 standards.
- Equipped with a buried service Gear Actuator.
- Does not require exercising.
- UL Listed.

- Works in conjunction with Pratt Style G
- Indicator Post or can be installed separately.

#### STYLE G INDICATOR POST

- Intended for use with Pratt 4" to 48" (DN100 - DN1200) Groundhog Valves.
- Meets AWWA Standard.
- Available in 5' (1500 mm) and 10' (3000 mm) standard extensions (see table below).
- Designed and tested in accordance with Underwriters Laboratories Test Guide UL-1091.



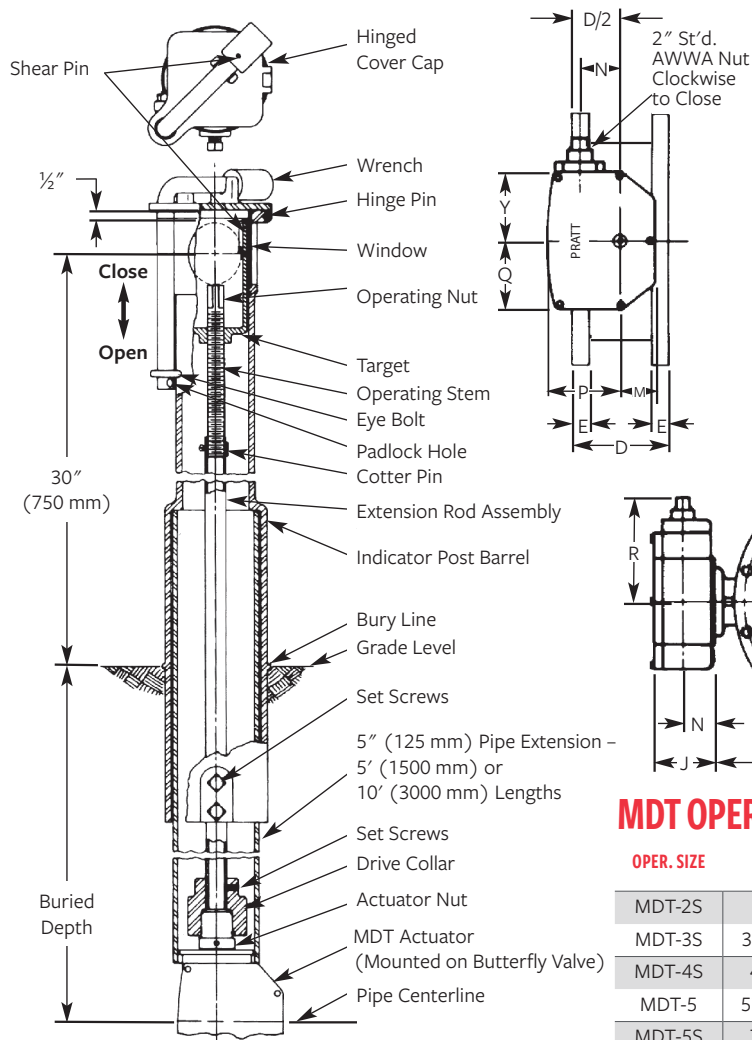
Bury Line

### PARTS LIST

| VALVE SIZE   | 5 FT. (1500 MM)<br>PIPE EXTENSION | 10 FT. (3000 MM)<br>PIPE EXTENSION |
|--------------|-----------------------------------|------------------------------------|
| 4" (DN100)   | 14 - 49 (356 - 1245)              | 14 - 109 (356 - 2767)              |
| 6" (DN150)   | 14 - 49 (356 - 1245)              | 14 - 109 (356 - 2767)              |
| 8" (DN200)   | 14 - 49 (356 - 1245)              | 14 - 109 (356 - 2767)              |
| 10" (DN250)  | 15 - 49 (381 - 1245)              | 15 - 109 (381 - 2767)              |
| 12" (DN300)  | 15 - 49 (381 - 1245)              | 15 - 109 (381 - 2767)              |
| 14" (DN350)  | 17 - 51 (432 - 1295)              | 17 - 111 (432 - 2819)              |
| 16" (DN400)  | 17 - 51 (432 - 1295)              | 17 - 111 (432 - 2819)              |
| 18" (DN450)  | 18 - 52 (457 - 1321)              | 18 - 112 (457 - 2845)              |
| 20" (DN500)  | 23 - 59 (584 - 1499)              | 23 - 119 (584 - 3023)              |
| 24" (DN600)  | 23 - 59 (584 - 1499)              | 23 - 119 (584 - 3023)              |
| 30" (DN750)  | 23 - 59 (584 - 1499)              | 23 - 119 (584 - 3023)              |
| 36" (DN900)  | 26 - 59 (660 - 1499)              | 26 - 119 (660 - 3023)              |
| 42" (DN1050) | 32 - 59 (813 - 1499)              | 32 - 119 (813 - 3023)              |
| 48" (DN1200) | 32 - 59 (813 - 1499)              | 32 - 119 (813 - 3023)              |

**Note:** Installer provides padlock for insertion wrench assembly to lock valve open.

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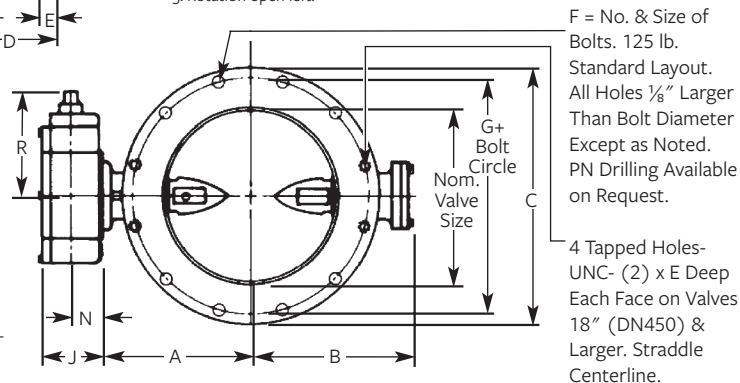


## MDT OPERATOR TABLE - INCHES (MM)"

| OPER. SIZE | J                     | L                       | M                     |
|------------|-----------------------|-------------------------|-----------------------|
| MDT-2S     | 4 $\frac{3}{8}$ (111) | 2 (51)                  | 2 $\frac{1}{8}$ (54)  |
| MDT-3S     | 5 $\frac{1}{8}$ (130) | 2 $\frac{1}{16}$ (62)   | 3 $\frac{1}{4}$ (83)  |
| MDT-4S     | 5 $\frac{7}{8}$ (149) | 2 $\frac{7}{32}$ (72)   | 3 $\frac{3}{8}$ (86)  |
| MDT-5      | 7 $\frac{1}{2}$ (190) | 3 $\frac{15}{32}$ (88)  | 4 $\frac{1}{2}$ (108) |
| MDT-5S     | 8 $\frac{1}{2}$ (216) | 3 $\frac{15}{16}$ (100) | 5 $\frac{1}{2}$ (140) |
| MDT-6S     | 11 (279)              | 5 $\frac{1}{16}$ (129)  | 7 (178)               |

### NOTES:

1. D +/-  $\frac{1}{16}$ " (1.5 mm) thru 10" (DN250) valves, +/-  $\frac{1}{8}$ " (3 mm) for 12" (DN300) & larger valves.
2. Operator mounted in position as shown.
3. Rotation open left.



## MDT OPERATOR TABLE - INCHES (MM)"

| OPER. SIZE | N                     | P                      | Q                        | R                        | Y          |
|------------|-----------------------|------------------------|--------------------------|--------------------------|------------|
| MDT-2S     | 2 (51)                | 4 $\frac{1}{2}$ (114)  | 4 $\frac{1}{4}$ (108)    | 4 $\frac{1}{2}$ (114)    | 32 (813)   |
| MDT-3S     | 3 $\frac{5}{32}$ (79) | 5 $\frac{3}{8}$ (137)  | 5 $\frac{7}{16}$ (138)   | 6 $\frac{5}{8}$ (168)    | 30 (762)   |
| MDT-4S     | 4 (102)               | 7 $\frac{5}{16}$ (186) | 6 $\frac{3}{4}$ (171)    | 7 $\frac{7}{8}$ (194)    | 40 (1016)  |
| MDT-5      | 5 $\frac{1}{2}$ (140) | 8 $\frac{3}{4}$ (222)  | 10 $\frac{1}{8}$ (257)   | 13 $\frac{1}{2}$ (343)   | 44 (1118)  |
| MDT-5S     | 7 (178)               | 10 $\frac{1}{2}$ (267) | 15 $\frac{15}{16}$ (405) | 15 $\frac{11}{16}$ (398) | 136 (3454) |
| MDT-6S     | 8 $\frac{1}{4}$ (210) | 12 $\frac{5}{8}$ (321) | 26 $\frac{1}{16}$ (673)  | 22 $\frac{1}{4}$ (565)   | 215 (5461) |

## DIMENSIONS - INCHES (MM)

| PART NO.     | A                       | B                      | C                       | D        | E                     | NO. OF HOLES - ØF         | G                       | OPER. SIZE | WT. - LBS. (KG.) |
|--------------|-------------------------|------------------------|-------------------------|----------|-----------------------|---------------------------|-------------------------|------------|------------------|
| 4" (DN100)   | 5 $\frac{1}{2}$ (140)   | 3 $\frac{1}{2}$ (89)   | 9 (229)                 | 5 (127)  | $\frac{3}{4}$ (19)    | 8 - $\frac{5}{8}$ (16)    | 7 $\frac{1}{2}$ (190)   | MDT-2S     | 78 (35)          |
| 6" (DN150)   | 6 $\frac{1}{2}$ (165)   | 5 $\frac{1}{4}$ (133)  | 11 (279)                | 5 (127)  | 1 (25)                | 8 - $\frac{3}{4}$ (19)    | 9 $\frac{1}{2}$ (241)   | MDT-2S     | 99 (44)          |
| 8" (DN200)   | 7 $\frac{3}{4}$ (197)   | 6 $\frac{1}{2}$ (165)  | 13 $\frac{1}{2}$ (343)  | 6 (152)  | 1 $\frac{1}{8}$ (29)  | 8 - $\frac{3}{4}$ (19)    | 11 $\frac{3}{4}$ (298)  | MDT-2S     | 141 (63)         |
| 10" (DN250)  | 9 (229)                 | 10 (254)               | 16 (406)                | 8 (203)  | 1 $\frac{3}{16}$ (30) | 12 - $\frac{7}{8}$ (22)   | 14 $\frac{1}{4}$ (362)  | MDT-2S     | 215 (97)         |
| 12" (DN300)  | 10 $\frac{1}{2}$ (267)  | 11 $\frac{1}{2}$ (292) | 19 (483)                | 8 (203)  | 1 $\frac{1}{2}$ (38)  | 12 - $\frac{7}{8}$ (22)   | 17 (432)                | MDT-2S     | 289 (131)        |
| 14" (DN350)  | 11 $\frac{7}{8}$ (302)  | 13 (330)               | 21 (533)                | 8 (203)  | 1 $\frac{3}{8}$ (35)  | 12 - 1 (25)               | 18 $\frac{3}{4}$ (476)  | MDT-3S     | 400 (181)        |
| 16" (DN400)  | 13 $\frac{1}{2}$ (343)  | 14 $\frac{1}{2}$ (368) | 23 $\frac{1}{2}$ (597)  | 8 (203)  | 1 $\frac{7}{16}$ (36) | 16 - 1 (25)               | 21 $\frac{1}{4}$ (540)  | MDT-3S     | 496 (224)        |
| 18" (DN450)  | 14 $\frac{3}{8}$ (365)  | 15 $\frac{3}{8}$ (391) | 25 (635)                | 8 (203)  | 1 $\frac{1}{16}$ (40) | 16 - 1 $\frac{1}{8}$ (29) | 22 $\frac{3}{4}$ (578)  | MDT-4S     | 596 (270)        |
| 20" (DN500)  | 16 (406)                | 17 $\frac{1}{2}$ (444) | 27 $\frac{1}{2}$ (698)  | 8 (203)  | 1 $\frac{1}{16}$ (43) | 20 - 1 $\frac{1}{8}$ (29) | 25 (635)                | MDT-5      | 853 (386)        |
| 24" (DN600)  | 18 $\frac{5}{8}$ (473)  | 18 $\frac{5}{8}$ (473) | 32 (813)                | 8 (203)  | 1 $\frac{7}{8}$ (48)  | 20 - 1 $\frac{1}{4}$ (32) | 29 $\frac{1}{2}$ (749)  | MDT-5      | 1177 (533)       |
| 30" (DN750)  | 21 $\frac{1}{2}$ (546)  | 24 $\frac{3}{4}$ (629) | 38 $\frac{3}{4}$ (984)  | 12 (305) | 2 $\frac{1}{8}$ (54)  | 28 - 1 $\frac{1}{8}$ (29) | 36 (914)                | MDT-5      | 1854 (840)       |
| 36" (DN900)  | 25 $\frac{1}{16}$ (646) | 28 $\frac{1}{4}$ (718) | 46 (1168)               | 12 (305) | 2 $\frac{1}{16}$ (62) | 32 - 1 $\frac{1}{2}$ (38) | 42 $\frac{3}{4}$ (1086) | MDT-5S     | 2653 (1203)      |
| 42" (DN1050) | 29 $\frac{7}{8}$ (759)  | 32 $\frac{7}{8}$ (835) | 53 (1346)               | 12 (305) | 2 $\frac{5}{8}$ (67)  | 36 - 1 $\frac{1}{2}$ (38) | 49 $\frac{1}{2}$ (1257) | MDT-6S     | 4132 (1874)      |
| 48" (DN1200) | 34 $\frac{1}{16}$ (865) | 36 $\frac{7}{8}$ (937) | 59 $\frac{1}{2}$ (1511) | 15 (381) | 2 $\frac{3}{4}$ (70)  | 44 - 1 $\frac{1}{2}$ (38) | 56 (1422)               | MDT-6S     | 5542 (2513)      |

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