

TRITON XR-70® BUTTERFLY VALVE

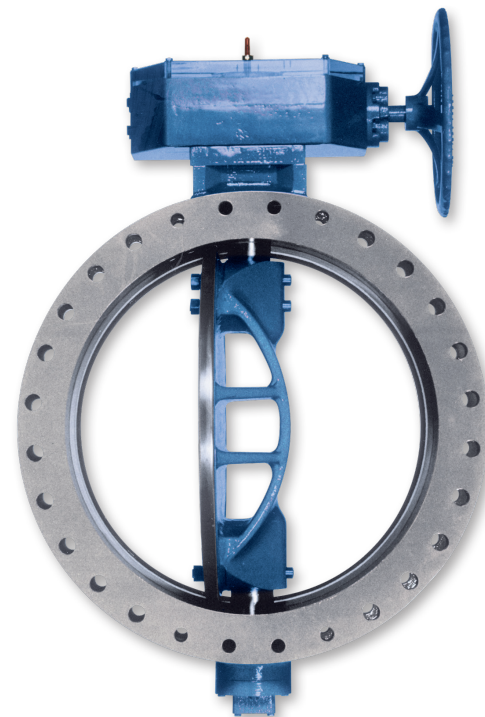
PRODUCT FEATURES

- Conforms to AWWA C504.
- 24" – 144"/DN600 – DN3600.
- Body Style: Standard Flange Ends.
- Pressure Class: AWWA Class 75B (54" – 144"/DN1350 – DN3600) and 150B.
- Replaceable rubber E-Lok seat-in design.
- Optional external injection port.
- Seat material also available in EPDM.
- Flow-through disc on 30"/DN750 and larger.
- Non-metallic bearings.
- V-type Shaft packing.
- Through disc pinning.

ACCESSORIES/OPTIONS

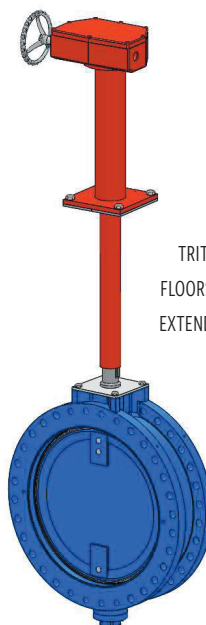
- Anti-Cavitation Device option to draw in air to reduce cavitation effects
- Bonnets
- Floorstands
- Shaft Locking Devices
- External Epoxy Injection Port
- Expansion Joints
- Rubber Lining

Consult factory for accessory details and optional body styles.

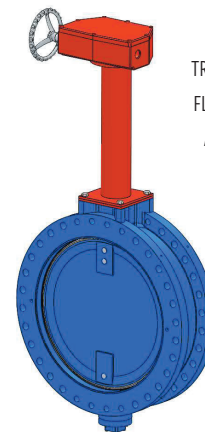


SPECIFICATIONS FOR MATERIAL OF CONSTRUCTION

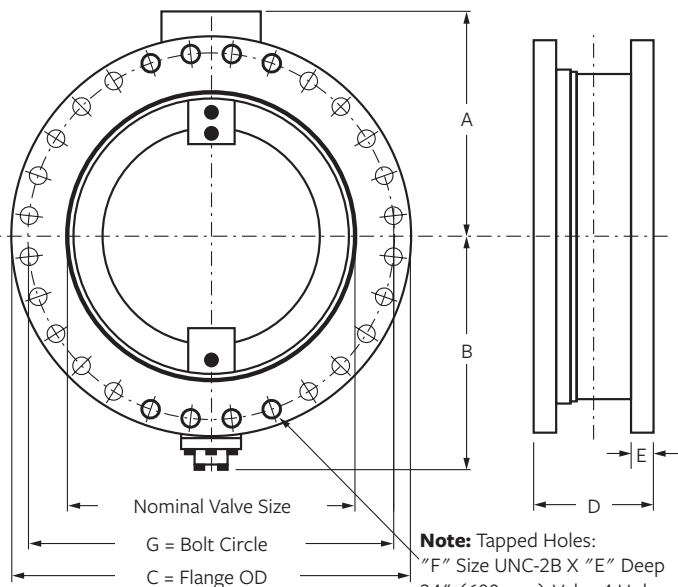
PART NAME	MATERIAL
Body	Cast Iron (24" – 48"/DN600 – DN1200) – ASTM A126, Class B; Ductile Iron (54"/DN1350 & Larger) – ASTM A536, Grade 65-45-12
Disc	Ductile Iron – ASTM A536, Grade 65-45-12
Disc Edge	Stainless Steel – ASTM A-240 Type 316
Shaft	304 Stainless Steel — ASTM A276 Type 304
Bearing	TLFB — Teflon lined, Fiberglass backed



TRITON XR-70
FLOORSTAND WITH
EXTENDED BONNET



TRITON XR-70
FLOORSTAND
ASSEMBLY



Note: Tapped Holes:
 "F" Size UNC-2B X "E" Deep
 24" (600 mm) Valve 4 Holes – 2 Top & 2 Bottom,
 30" (750 mm) & Up Valve 8 Holes – 4 Top & 4
 Bottom Each Flange.

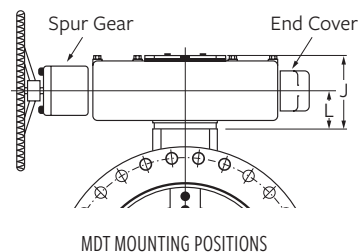
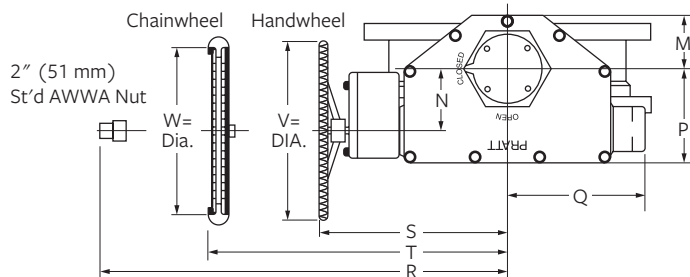
NOTES

- Size = Nominal valve size.
- For bolts smaller than 1 $\frac{3}{4}$ " (44 mm) in diameter, bolt holes will be $\frac{1}{8}$ " (3 mm) larger than diameter of bolts. For bolts 1 $\frac{3}{4}$ " (44 mm) in diameter and larger, bolt holes will be $\frac{1}{4}$ " (6 mm) larger than diameter of bolts. Dimensions and drilling of end flanges conform to ANSI B16.1 Standard for Cast Iron flanges.
- Allow 3 $\frac{1}{2}$ " (89 mm) for thrust bearing removal.
- A, B = Apply to AWWA Classes 75A, 75B.
- AA, BB = Apply to AWWA Class 150B.
- F = Number and size of bolts. Class 125. Holes in trunnion area are tapped (see Note: Tapped Holes).
- The Triton XR-70 Butterfly Valve can be equipped with a wide range of cylinder actuators and electric motor actuators to meet your special operating requirements. Please consult our factory for additional information.

DIMENSIONS - INCHES (MM)

VALVE SIZE	A	B	AA	BB	C	D	E	NO.-ØF	G
24"/DN600	—	—	18 $\frac{3}{8}$ (473)	18 $\frac{3}{8}$ (467)	32 (813)	8 (203)	1 $\frac{7}{8}$ (48)	20-1 $\frac{1}{4}$ (32)	29 $\frac{1}{2}$ (749)
30"/DN750	21 $\frac{1}{16}$ (548)	22 $\frac{3}{4}$ (578)	21 $\frac{1}{2}$ (546)	24 $\frac{1}{8}$ (613)	38 $\frac{3}{4}$ (984)	12 (305)	2 $\frac{1}{8}$ (54)	28-1 $\frac{1}{4}$ (32)	36 (914)
36"/DN900	25 $\frac{1}{16}$ (637)	26 $\frac{1}{2}$ (673)	25 $\frac{7}{16}$ (626)	28 (711)	46 (1168)	12 (305)	2 $\frac{3}{8}$ (60)	32-1 $\frac{1}{2}$ (38)	42 $\frac{3}{4}$ (1086)
42"/DN1050	29 $\frac{1}{16}$ (738)	30 $\frac{3}{8}$ (772)	29 $\frac{7}{8}$ (759)	32 $\frac{11}{16}$ (830)	53 (1346)	12 (305)	2 $\frac{5}{8}$ (67)	36-1 $\frac{1}{2}$ (38)	49 $\frac{1}{2}$ (1257)
48"/DN1200	32 $\frac{5}{16}$ (821)	34 $\frac{5}{8}$ (879)	34 $\frac{1}{16}$ (865)	36 $\frac{5}{8}$ (937)	59 $\frac{1}{2}$ (1511)	15 (381)	2 $\frac{3}{4}$ (70)	44-1 $\frac{1}{2}$ (38)	56 (1422)
54"/DN1350	36 $\frac{1}{8}$ (918)	38 $\frac{1}{2}$ (978)	37 $\frac{1}{2}$ (952)	40 $\frac{11}{16}$ (1033)	66 $\frac{1}{4}$ (1683)	15 (381)	3 (76)	44-1 $\frac{3}{4}$ (44)	62 $\frac{3}{4}$ (1594)
60"/DN1500	39 $\frac{5}{8}$ (1006)	42 $\frac{1}{16}$ (1068)	41 $\frac{3}{4}$ (1060)	45 $\frac{5}{16}$ (1148)	73 (1854)	15 (381)	3 $\frac{1}{8}$ (79)	52-1 $\frac{3}{4}$ (44)	69 $\frac{1}{4}$ (1759)
66"/DN1650	43 $\frac{1}{16}$ (1106)	46 $\frac{3}{4}$ (1187)	46 $\frac{1}{16}$ (1170)	49 $\frac{1}{2}$ (1257)	80 (2032)	18 (457)	3 $\frac{3}{8}$ (86)	52-1 $\frac{3}{4}$ (44)	76 (1930)
72"/DN1800	46 $\frac{15}{16}$ (1192)	55 $\frac{5}{8}$ (1413)	50 (1270)	53 $\frac{5}{8}$ (1349)	86 $\frac{1}{2}$ (2197)	18 (457)	3 $\frac{1}{2}$ (89)	60-1 $\frac{3}{4}$ (44)	82 $\frac{1}{2}$ (2095)

DIMENSIONS - INCHES (MM)

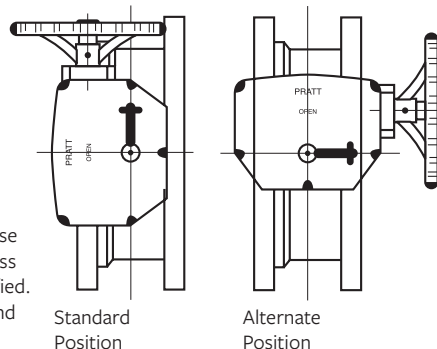


MDT SIZE	J	L	M	N	P	Q
MDT-3	7 $\frac{3}{4}$ (197)	4 $\frac{1}{16}$ (103)	3 $\frac{1}{4}$ (83)	3 $\frac{5}{22}$ (82)	5 $\frac{5}{8}$ (143)	5 $\frac{3}{8}$ (137)
MDT-4	8 (203)	4 $\frac{1}{2}$ (114)	3 $\frac{3}{8}$ (86)	4 (138)	7 $\frac{5}{16}$ (186)	6 $\frac{3}{4}$ (171)
MDT-5	10 (254)	5 $\frac{5}{8}$ (143)	4 $\frac{1}{2}$ (114)	5 $\frac{1}{2}$ (140)	8 $\frac{3}{4}$ (222)	10 $\frac{1}{2}$ (267)
MDT-5S	10 $\frac{3}{4}$ (273)	6 $\frac{1}{8}$ (156)	5 $\frac{5}{8}$ (143)	7 (191)	10 $\frac{5}{8}$ (270)	15 $\frac{15}{16}$ (405)
MDT-6S	12 $\frac{7}{8}$ (327)	7 $\frac{5}{8}$ (194)	7 (267)	8 $\frac{1}{4}$ (210)	12 $\frac{5}{8}$ (321)	18 $\frac{5}{8}$ (473)

MDT SIZE	R	S	T	ØV	ØW
MDT-3	9 $\frac{1}{4}$ (235)	10 $\frac{1}{2}$ (267)	10 (254)	12 (305)	9 $\frac{1}{8}$ (232)
MDT-4	10 $\frac{1}{2}$ (267)	11 $\frac{1}{2}$ (292)	11 (279)	12 (305)	9 $\frac{1}{8}$ (232)
MDT-5	17 (432)	17 $\frac{1}{8}$ (435)	17 $\frac{7}{8}$ (454)	18 (457)	16 $\frac{1}{16}$ (418)
MDT-5S	19 $\frac{11}{16}$ (500)	20 (508)	20 $\frac{3}{4}$ (527)	24 (610)	22 $\frac{1}{4}$ (565)
MDT-6S	26 $\frac{1}{2}$ (673)	26 $\frac{3}{4}$ (679)	25 $\frac{7}{8}$ (657)	24 (610)	22 $\frac{1}{4}$ (565)

Note:

- Clockwise to close (open left) unless otherwise specified.
- Spur gear and end cover apply only to MDT6S.



For more information about us, or to view our full line of products, please visit www.mueller-international.com or call International Customer Service at:

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