



Sheet Number: 4.1

Product Specifications

Miami-Dade Water & Sewer Department
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Butterfly Valve



Minimum Standards

- AWWA C504, C550, C111
- ASME/ANSI B16.1-Class 125, ASTM A48-Class 40, ASTM A126-Class B, ASTM A536, ASTM A216-Grade WCB, ASTM A436-Type 1 or 2, ASTM A439-Type D2, ASTM A123, ASTM A153
- MDWASD Specifications: Sections 40 05 58 (15100), 40 05 64 (15110)

Valve Requirements

- NSF61/ANSI for potable water applications
- Valves shall have epoxy retained seat configuration.
- Butterfly valve shall be provided with a torque limiting device designed to protect the actuator and valve parts with an input of 200 to 220 ft-lb
- Manual operators for valves 24-inch and smaller shall be of totally enclosed worm gear or traveling-nut type, permanently lubricated, suitable for buried or submerged operation.
- Manual operators for valves 30-inch and above shall be totally enclosed worm gear operators, permanently lubricated, adjustable travel stops, suitable for buried and submerged operation, and shall be Limitorque type HBC or modified WG with AWWA input shaft stop and gear box, Rotork IW-RL-MD-RAW.
- Valve Shaft – 316 Stainless Steel

Manufacturer Requirements

- Any valve manufacturer approved for the supply of valves shall have a domestic manufacturing facility in North America, dedicated in part or fully, to valve production.
- Valve castings may be of non-domestic origin for projects not subject to the "Buy America Iron and Steel" Miami-Dade County Ordinance.
- Valve manufacturers for valves larger than 12-inches shall have a factory-employed, field service technician available for startup services.
- Valve operators (8" to 24") shall be designed and manufactured by the valve manufacturer.
- Valves shall be manufactured with rubber designed for the valve operation providing a minimum design life of 40 years.

Applications

- Water

PRE-APPROVED MANUFACTURER

- | | |
|------------|------------------|
| 1) Clow | 4) Mueller |
| 2) DeZURIK | 5) Pratt |
| 3) Kennedy | 6) Crispin Value |

Issue Date: 4/4/2016

Revised Date: 11/19/2025

APPROVED PRODUCTS / MODELS				
SIZE	MANUFACTURER	MODEL	DOMESTIC MANUFACTURER	SUBMITTED
30" - 54"	Clow	Style #1450, MJ and Flanged	<input type="checkbox"/>	<input type="checkbox"/>
3" - 54"	DeZURIK	BAW	<input type="checkbox"/>	<input type="checkbox"/>
30" - 54"	Kennedy	1450 Series	<input type="checkbox"/>	<input type="checkbox"/>
3" - 24"	Kennedy	4500 Series	<input type="checkbox"/>	<input type="checkbox"/>
16" - 20"	Mueller	LINSEAL III	<input type="checkbox"/>	<input type="checkbox"/>
24" - 54"	Pratt	XR-70	<input type="checkbox"/>	<input type="checkbox"/>
3" - 20"	Pratt	2F II	<input type="checkbox"/>	<input type="checkbox"/>
16" - 30"	Pratt	Groundhog	<input type="checkbox"/>	<input type="checkbox"/>
16" -20"	Crispin Valve	KFLO 500 Series	<input type="checkbox"/>	<input type="checkbox"/>
24" - 54"	Crispin Valve	474 Series L2 (seat on valve body)	<input type="checkbox"/>	<input type="checkbox"/>

SIZES FURNISHED:

☐ 16"
☐ 30"
☐ 54"

☐ 18"
☐ 36"

☐ 20"
☐ 42"

☐ 24"
☐ 48"

COMMENTS:

Approved by: David Vazquez, PE

Revision History:

11-2018 – Added information for approved operators

8-20-2021 – Removed Golden Anderson

4-8-2022 – Modified range size for Pratt XR-70, from 24" - 48" to 24" - 54"

12-22-2022 – Added Crispin, 47 Series

10-19-2023 – Added Crispin KFLO 500 Series; added valves shall have epoxy retained seat configuration on the requirements.

11-14-2025 – Added manufacturer requirement.