

HMWPE

FLAP VALVES



Engineered for Consistent Performance in Stormwater Outfalls & Drainage Systems

4" - 24" Range

Covers common outfall diameters across stormwater systems.

Wall or Spigot Mounting

Simplifies specifying across structures and pipe-end connections.

HMWPE Construction

Durable, lightweight, and resistant to corrosion and chemicals.

PRODUCT OVERVIEW

Fernco HMWPE Flap Valves (also commonly referred to as flap gates or outfall check valves) provide passive backflow protection for stormwater outfalls and drainage systems, protecting infrastructure from reverse flow caused by tide, surge, or high-water events. HMWPE construction delivers superior impact and stress crack resistance versus standard HDPE, extending service life in cold climates, debris-prone outfalls, and sediment-laden flows. The integrated co-extrusion seal simplifies installation without added tapes or sealants, and the lightweight design enables safer handling and lower installed cost versus metal alternatives. Available in wall-mount and spigot-mount configurations.

SPECIFICATIONS

- **Exceeds:** DIN 19569-4 (Class 5) & BS 7775. ISO 9001:2015 Certified Manufacturing
- **Range:** 4"-24"
- **Mounting:** Wall & Spigot Configuration
- **Materials:** HMWPE Body, EPDM Seal, Glass-Filled Nylon Hinges, 316-Stainless Steel Hardware



(519) 332-6711



www.fernco.ca



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HMWPE FLAP VALVES

Wall & Spigot Mount



PRODUCT FEATURES

SPEC-FRIENDLY SIZING

Covers the most common municipal outfall and drainage diameters.

RIGHT FIT, RIGHT MOUNT

Wall Mount + Spigot Mount options for headwalls, pipe ends, and retrofits.

QUICK, CONSISTENT SEALING

Co-extrusion seal installs clean—no added tapes or sealants.

EXCEEDS CLASS 5 PERFORMANCE

Surpasses the leakage rate requirements of DIN 19569-4 and BS 7775.

BUILT FOR THE LONG RUN

Marine grade 316 stainless steel hardware and a long service-life design.

SPECIFY WITH CONFIDENCE!

Configured to Fit. Documented to Spec.

SIZES & PART NUMBERS

Pipe Size	Spigot Mount Flap Valves	Wall Mount Flap Valves	Wall Mount Hardware
4-inch	FVS4	FV4	FVMS-01-US
6-inch	FVS6	FV6	FVMS-01-US
8-inch	FVS8	FV8	FVMS-01-US
10-inch	FVS10	FV10	FVMS-02-US
12-inch	FVS12	FV12	FVMS-02-US
14-inch*	FVS14-1, FVS14-2	FV14	FVMS-03-US
15-inch*	FVS15	FV15	FVMS-03-US
16-inch*	FVS16-1, FVS16-2	FV16	FVMS-03-US
18-inch*	FVS18-1, FVS18-2	FV18	FVMS-04-US
20-inch*	FVS20-1, FVS20-2	FV20	FVMS-04-US
21-inch*	FVS21	FV21	FVMS-04-US
24-inch*	FVS24	FV24	FVMS-06-US

* Per Application Special Order: Lead time and minimum quantities may apply.

SELECTION SUPPORT + SPEC SUBMITTALS

- Contact Fernco to confirm the correct configuration.
- Have pipe OD and ID ready — spigot mounts require a **Strong Back® RC Coupling** based on pipe OD.
- Scan QR code for submittals + CAD.

