

NSF-61 Electric Fail-Safe Valve

Automatically Closes Purge Valve in Case of Power Failure



EFS Valve shown with
purge controller



Certified to
NSF/ANSI 61 & 372

Specifications:

Voltage: 12V DC, 24V DC and 100-240V AC

Frequency: 50/60Hz

Power Draw: 30-48 VA

Current Draw: 0.3-0.2 A

75% Duty Rated

Valve Open-Close Time: 8 seconds from 0 to 90 degrees.

Fail-Safe Delay: EFS Valve starts closing 5 seconds after power loss

Housing: V0 self-extinguish class techno-polymer, water-tight

Protection Level: NEMA 4/4X IP65 IP67

Certifications: CE UL

Cover Type: UL 50

Ambient Temperature Range: -4 F to 131 F

Auxiliary Contact Rating: 1A @ 30VDC/250VAC RESISTIVE

Protection Against Electrical Shock: Class I

Cover Type: UL 50

Recommended Battery Check: Once per year, expected life span is 10 years

Fail-Safe Batteries: Rechargeable Nickel-Metal-Hydride battery pack that provides 400 charge/discharge cycles. The batteries are automatically charged when the supply is connected

EFS Features and Benefits:

- NSF-61 Certified for municipal & potable water applications
- EFS closes purge valve in case of power failure
- Purges solids automatically – eliminating manual purging
- Visual indicator on EFS provides easy-to-read current valve position
- Manual override for quick purge situations
- EFS features an electronic circuit that adjusts motor speed to keep cycle time constant, maintaining consistent purge durations
- Can be installed in combination with Solids Recovery Vessel (SRV-816 or SRV-833) for short-term conditions that require direct purging
- Actuator housing made of V0 self-extinguish material for fire safety
- EFS features a torque limiter circuit that protects motor from overcurrent or overtorque conditions

Models:

Models		Valve Diameter	
		inches	mm
EFS-15-NPT	EFS-15-FLG	1-1/2"	38.1
EFS-20-NPT	EFS-20-FLG	2"	50.8
EFS-30-NPT	EFS-30-FLG	3"	76.2

Purge controller is required and included as part of valve kit.

See LAKOS literature LS-914 for EFS installation guide for more detailed specifications

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LS-1074 (2/26)



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