

# Electric Fail-Safe Valve

## Automatically Closes Purge Valve in Case of Power Failure



EFS Valve shown with  
purge controller

### 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 time is 12-15 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

### Models:

Models	Valve Diameter	
	inches	mm
EFS-07	3/4"	19.05
EFS-15	1-1/2"	38.1

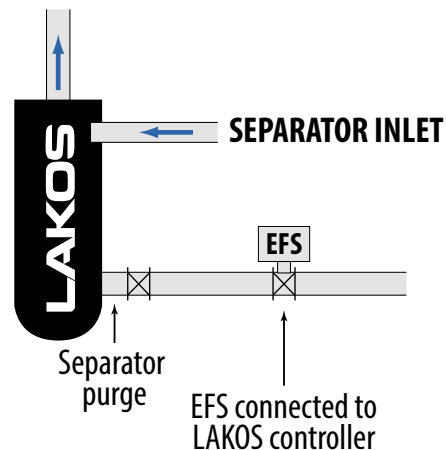
Purge controller is required and included as part of valve kit.

### EFS Features and Benefits:

- 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

### EFS Installation:

#### SEPARATOR OUTLET



EFS and LAKOS Controller automatically purge separated solids from Separator's collection chamber at pre-determined time intervals – eliminating manual purging.

Contact LAKOS for EFS installation guide with more detailed specifications.

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