



EFS ENGINEERING
FIRE PROTECTION SOLUTIONS



R39644



Fire Dampers, Smoke Dampers
and combination Fire-Smoke
Dampers.

EFS F | EFS S | EFS FS



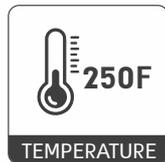
FIRE DAMPER



SMOKE DAMPER



LEAKAGE RATING



TEMPERATURE



TEMPERATURE



FIRE RATING



FIRE RATING

EFS Engineering is a manufacture of Fire Dampers, Smoke Dampers and Combination Fire-Smoke Dampers. All dampers were tested in accordance with UL 555 and UL 555S standards, and are approved for installation in HVAC ducts. The dampers are certified by UL, File number: R39644.



Smoke Dampers



Fire-Smoke Dampers



Fire Dampers



Fire Dampers

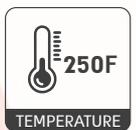
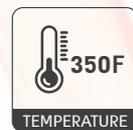
The EFS-F is a multi-blade fire dampers series with 3V style blades. The damper is equipped with an electric heat responsive device, which would react to heat in case of fire and would prevent the spread of fire through a penetration in a fire rated barrier made by an HVAC duct or transfer.

This EFS-F series offer both 1-1/2 and 3 hour fire ratings and can be installed vertically (with blades running horizontally) or horizontally. It is intended to be installed in dynamic systems (fans stay on in a fire) and can also be installed in static systems (fans shut off in a fire).



Smoke Dampers

The EFS-S is a multi-blade smoke dampers series with 3V style blades. The EFS-S is available with UL 555S Class I leakage rating up to 350°F and a variety of electric actuators. It can be installed vertically (with blades running horizontally) or horizontally.



Combination Fire-Smoke Dampers

The EFS-FS is a multi-blade fire and smoke dampers series with 3V style blades. The dampers are both UL 555 and UL 555S rated and listed. As a combination damper, the EFS-FS damper is equipped with one or two electric heat responsive devices (primary and secondary) and it is designed to be also re-openable as part of the life safety smoke control system.



Product Features

- **Locking mechanism**

All dampers have a unique locking arm that prevents of the dampers from opening as a result of pressure, airflow and rising of temperature.

- **Electric Heat Responsive Device (Thermostat)**

The dampers may be equipped with one or two thermostats, upon request. We offer a range of different thermostats, triggered on the following temperatures – 165°F, 212°F, 250°F, and 350°F. The electric release devices are resettable (if electric failure occurs).

- **Sleeve**

Full range of factory sleeve gauges and lengths available.



Size Range

EFS dampers are **Multi-section approved**, which enables us to offer a large range of different sizes, with the maximal size of 3.6x2.4m.

Actuators

Variety of approved electric actuators with a spring return feature. Once the electrical power is interrupted the spring return feature of the actuator closes the damper.

- Available also with position-indicating switches.
- Available with 24VAC, 120VAC or 230VAC externally or internally mounted

