Novaclime

Product Sheet



Fire Damper

Dampers

Fire dampers ensure fire safety in ventilation systems. They protect life and property by preventing the spread of flames and smoke.

SKU
CMN7J71P

General Features

- Automatic closing in case of fire
- Preventing the spread of flame and smoke
- Options in different sizes and types
- Easy installation and maintenance
- Long-lasting and durable structure

Installation Type

- Cut to the appropriate size for the ventilation duct.
- Place the damper inside the duct.
- Secure with fixing screws or clamps.
- Connect the control mechanism.
- Make sure it works correctly by testing.

Surface Finish

- Galvanized steel
- Electrostatic powder coating
- Stainless steel

Accessories

- Thermal sensors
- Motorized actuators
- Manual control levers
- Mounting clamps
- Fire alarm system connection kits

Detailed Content

What is a Fire Damper?

Fire dampers are critical components used in ventilation systems to ensure fire safety. They allow airflow under normal operating conditions, but automatically close when a fire is detected, preventing the spread of flames and smoke. This prevents the fire from spreading to different parts of the building and buys time for evacuation. Fire dampers not only increase life safety but also help minimize material damage.

Working Principle of Fire Dampers

Fire dampers are usually triggered by a thermal sensor or a remote control system. In the event of a fire, the damper closes automatically when the high-temperature sensor detects it or when the fire alarm system sends a signal. The closing mechanism is usually provided by a spring system or an electric actuator. When the damper closes, the airflow inside the ventilation duct is cut off and the spread of the fire is prevented. Fire dampers are manufactured in various types and sizes to suit different fire scenarios.

Types and Usage Areas of Fire Dampers

Fire dampers are divided into different types according to their usage areas and features. Some common types of fire dampers are:

* Thermal Fire Dampers: Dampers that close automatically when a certain temperature is reached.
* Motorized Fire Dampers: Dampers controlled by remote control or fire alarm system.
* Manual Fire Dampers: Dampers that are manually controlled and can be closed in emergencies.

Fire dampers are used in many different structures such as hospitals, schools, shopping malls, office buildings and industrial facilities. As an indispensable part of ventilation systems, they play an important role in ensuring fire safety.

Fire Damper Selection and Installation

Fire damper selection should be made according to the characteristics of the building, the design of the ventilation system and fire safety requirements. Choosing the right type and size of fire damper is critical to the effectiveness of the system. The installation process should also be carried out by experts and it should be ensured that the damper is working correctly. Regular maintenance and testing ensure that fire dampers are always ready for use.