TROX® TECHNIK
The art of handling air

FV-EU

FIRE PROTECTION VALVES FOR SUPPLY AND EXTRACT AIR

- Circular fire protection valve for the isolation of duct penetrations between fire compartments; suitable for supply air and extract air systems. They also satisfy ventilation requirements
  - Nominal sizes Ø 100, 125, 160, 200 mm
  - For installation in walls and ceilings
  - Low differential pressure and sound power level
  - Integration into the central BMS with TROXNETCOM

Optional equipment and accessories
- Electric limit switch
- Extension piece
- Trim ring, circular or square

Description produit

Application

- Fire protection valves of Type FV-EU, with CE marking and declaration of performance, for the isolation of duct penetrations between fire compartments in the event of a fire
- To prevent the propagation of fire and smoke through ductwork to adjacent designated fire compartments

Special characteristics

- Declaration of performance according to Construction Products Regulation
- Classification to EN 13501-3, up to EI 120 (v_e, h_o, i ↔ o) S
- Building inspectorate licence Z-56.4212-991 for fire resistance properties
- Complies with the requirements of EN 15650
- Tested to EN 1366-2 for fire resistance properties
- Hygiene complies with VDI 6022 part 1 (07/2011), VDI 3803 (10/2002), DIN 1946 part 4 (12/2008), and EN 13779 (09/2007)
- Corrosion protection according to EN 15650 in connection with EN 60068-2-52
- Closed valve cone air leakage to EN 1751, class 2
- Low differential pressure and sound power level
- Any airflow direction

Classification

- Class of performance to EN 13501-3, up to EI 120 (v_e, h_o, i ↔ o) S

Nominal sizes

- Ø100, 125, 160, 200 mm

- L: 150 mm

Technique

Variants

- With fusible link
- With fusible link and limit switch

Attachments

- Limit switch for capturing the valve position
- Network module for the integration with AS-i networks

Accessories

Mortar-based installation

- Trim ring, circular
- Trim ring, square
- Flexible connectors
- Extension piece

Construction features

- Adjustment device for large or small air volumes
- Valve cone with bayonet fixing
- Integration into the central BMS with TROXNETCOM

Materials and surfaces

- Installation subframe, spigot and valve disc made of sheet steel
- Installation subframe and spigot with stove-enamelled finish, black
- Exposed surface of valve disc powder-coated RAL 9010
- Valve cone made of special insulation material
- Seal made of polyurethane
- Attachments made of galvanised steel
- Increased corrosion protection due to powder-coated casing

Standards and guidelines

- Construction Products Regulation
- EN 15650:2010 Ventilation for buildings – fire dampers
- EN 1366-2-1999 Fire resistance tests for service installations – Fire dampers
- EN 13501-3:2010 Fire classification of construction products and building elements
- EN 1751:1999 Ventilation for buildings – Air terminal devices

Maintenance

- The functional reliability of the fire protection valve must be tested at least every six months; this has to be arranged by the owner of the ventilation system; functional tests must be carried out in compliance with the basic maintenance principles stated in EN 13306 and DIN 31051. If two consecutive tests, one 6 months after the other, are successful, the next test can be conducted one year later.
- Fire protection valves must be included in the regular cleaning schedule of the ventilation system
- For details on maintenance and inspection refer to the installation and operating manual