Mechanical Explosion Isolation
Normally Open Flap Valve NOVEx

PASSIVE MECHANICAL ISOLATION SYSTEMS

Normally Open Flap Valve NOVEx
The Explosion Isolation Flap Valve NOVEx stops flame propagation in air ducts, protecting the rest of the equipment within the plant. During the operation, the flow goes through the Flap Valve NOVEx. In case of explosion inside the equipment where the valve is installed (ex. in the Filter), the expansion of hot gas is produced. This excess pressure closes the flap, isolating and protecting the rest of the equipment.

The Flap Valve NOVEx by Adix is an economical and efficient solution to protect against the propagation of explosions in ducts.

VERSIONS
// Sizes DN71 to DN1000 (Bolted flanges DIN24154)
// Dust up to Stz
// Casing built in: Carbon Steel or Stainless Steel

TECHNICAL FEATURES
// Max. reduced pressure of the vessel where the explosion is originated:
  2 barg (DN<500) or 1 barg (DN>500)
// Max. range of dust concentration in the duct: 500 g/m³

INSTALLATION AND MAINTENANCE
// Variable installation distance:
  DN<500: 3-10m
  DN>500: 5-13m
// Possibility of 2 pipe bends
// Easy access for maintenance

Accessories (optional)
// Differential pressure control
// Position detector
// Automatic cleaning system
// Antiwear detector
// Antiwear protection cover for the flap

ATEX Certified according to EN16447
NFPA 69 Compliant

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explosion protection