

## Explosion Isolation Flap Valve NOVEx

The Explosion Isolation Flap Valve VEX stops flame propagation in air ducts, protecting the rest of the equipment within the plant.

The valve is normally open and minimizing the pressure drop introduced into the system.

In case of downstream explosion (eg in the Filter), gas expansion occurs, the overpressure of which will force the flap to close creating a barrier that isolates and protects the rest of the equipment upstream.



DN	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Losses of load (mmca)	Reduced over-pressure (barg)*	Mounting Distance(m)*
71	440	349	265	17	10	2	3-10
100	469	386	294	20	10	2	3-10
200	569	478	394	34	15	2	3-10
300	669	650	536	55	25	2	3-10
400	769	787	640	82	35	2	3-10
500	869	887	740	107	35	2	3-10
600	969	1040	889	153	35	1	5-13
710	1079	1155	1005	190	40	1	5-13
800	1169	1245	1095	222	45	1	5-13
1000	1369	1445	1295	301	50	1	5-13

\*Contact us for metallic dust over-pressure and mounting distance.

### Technical Features:

- Casing built in: Carbon Steel or Stainless Steel
- Sizes DN71 to DN1000 (Bolted flanges DIN24154)
- For flammable Dust up to K<sub>st</sub> 440 (organic and metallic dust)
- Max. range of dust concentration in the duct <500 g/m<sup>3</sup>
- Certified according to EN16447(LOM11ATEX7047X). Compatibility with NFPA 69-2014

### Opcionals:

- Flap Position detector
- Dust layers detector
- Differential pressure control
- Automatic cleaning system
- Antiwear detector
- Antiwear protection layer on the flap

