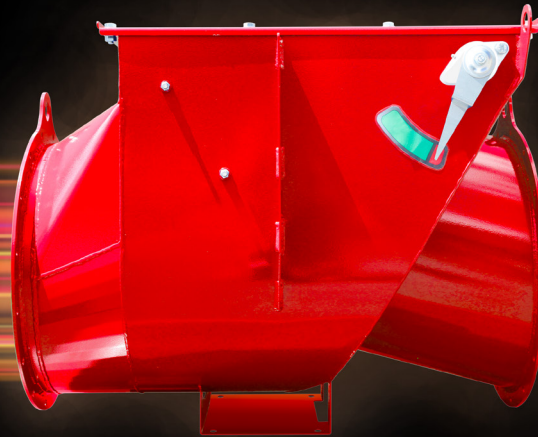


The new explosion isolation valve

VIGIFLAP®



certified in accordance with EN 16447



The VigiFLAP is an explosion isolation valve that is designed to prevent the propagation of a deflagration or flame front through ducting from a downstream event originating in equipment such as dust collectors, filter or cyclone. The VigiFLAP can be used as both an upstream and downstream

protection device when used on each side of the protected vessel. To accomplish this, the VigiFLAP uses a unique locking mechanism that allows the valve to be held open in a working position, with the ability to quickly close during an event. This locking mechanism also reduces the pressures

drop experienced in many similar isolation type devices. In the event of an explosion or deflagration, the valve will close, lock and prevent the passage of flame. Unlocking of the flap once it has been closed, must be completed manually at the locking mechanism.

TECHNICAL INFORMATION

Kst max	≤250bar.m/s	Pred max in protected vessel	≤0.5bar	MESG	1,7 mm 0.067 inch
Kst min	50bar.m/s	VIGIFLAP Resistance	2.0bar	Dust range	All dusts
Pmax	10 bar 145 psi	MIE	≥ 10mJ	Air flow speed	15m/s ≤ v ≤ 30m/s 3000 ≤ v ≤ 6000 ft/min
Working	St1 St2*	MIT	≥ 400°C ≥ 752°F	Dust concentration	No Limit
ATEX Marking	II D	Atex Inside	Zone 20 (II 1D)	Air flow range	Pull flow

*kst≤250bar.m/s

CERTIFICATIONS

VERSION 1 : JULY 2020

- Dirty air and clean air side
- Horizontal position only ±10°
- Pull flow
- KST MAX 250
- ø160 to ø800 mm

VERSION 2 : NOVEMBER 2020

- Horizontal and vertical position
- Push and pull flow
- With elbow

VERSION 3 : JANUARY 2021

- KST MAX 300
- ø ≥ 800 until ø 1300 mm included
- Metal dust included until diam 800