

# VIGI-FLAP<sup>®</sup>

## Explosion Isolation Valve



*Non dust accumulation design*

CAN ALSO BE USED  
ON CLEAN AIR OUTLET

**The new VIGIFLAP  
Non Return Valve certification**

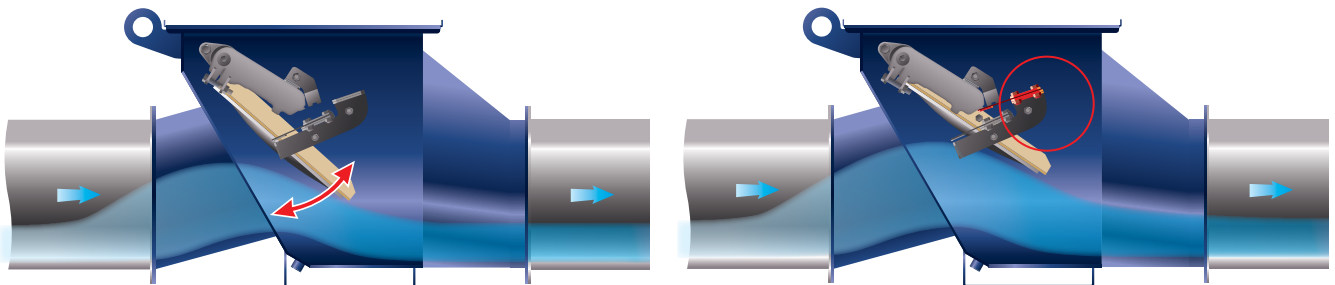
EN16447 - EN15089 - NFPA69

Finish in May 2019  
will revolutionize the market

### FLAP POSITIONS

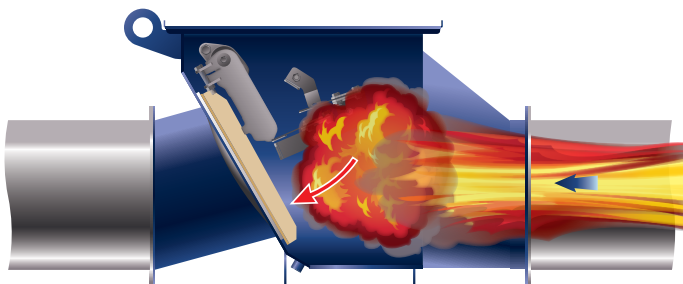
#### FLOW PROCESS

2 FLAP position during flow process



*Flap stay open by process flow*

#### EXPLOSION EVENT



*Flap is closed by explosion and  
stay locked manual unlocking*

# VIGIFLAP®

## Explosion Isolation Valve

### CHARACTERISTICS AND ADVANTAGES

SIZES : ■ 160mm to 1320mm / 6" to 52"

#### BODY :

- Dust Less and self cleaning design body:
  - Inlet: Aerodynamic shape
  - Outlet: horizontal (180°) outlet bottom
- Strong body: full welded Robot manufacturing
- Easy to use manual locking and unlocking mechanism
- Painted steel (*Stainless steel and galvanized in option*)
- Colors: Standard Blue and Red (*other colors in option*)

#### PROCESS DATA :

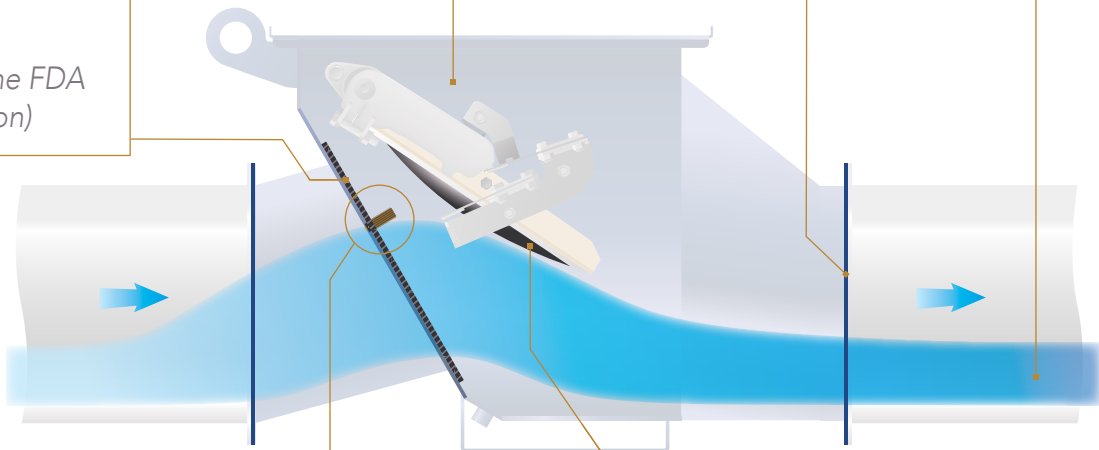
- Flow Speed: 15 m/s...35m/s
- Pressure drop:
  - Lowest pressure drop with the Round domed Flap
  - Horizontal outlet bottom

#### FLANGES :

- ISO and ANSI flanges design

#### GASKET :

- EPDM (*Silicone FDA 200°C in option*)



#### DETECTOR :

- Inductive sensor for explosion event indication
- Option: Capacitive detector to indicate dust level

#### FLAP :

- Round domed\* flap ■ 100% Stainless Steel 304L
- Outside visual indicator of the Flap position

CAN BE USE IN CLEAN AIR OUTLET  
WITH BEND CONNECTION

#### DUST :

- All kind of dust (*Metallic dust only in September 2019*)
- KST Max < 350bar m/s
- Pmax < 10 bar ■ IMES > 1.5mm

