

# IVE

## FLAMELESS EXPLOSION VENT BUCKET ELEVATOR & PROCESS VESSEL PROTECTION



### PRODUCT INFORMATION SHEET

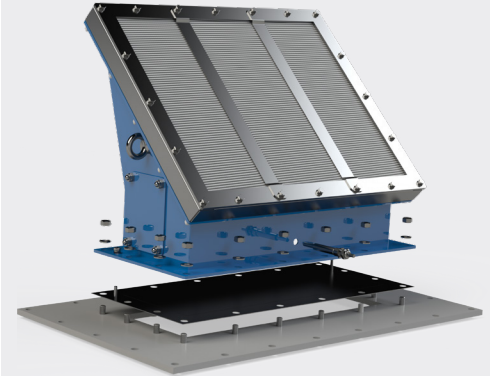
#### Description

The IVE Flameless Explosion Vent provides an explosion protection solution for process vessels, especially bucket elevators, which are located inside a building or areas where standard explosion venting cannot be safely employed. For these applications, flameless explosion vents may be the best protection solution. When an explosion occurs, the venting device opens and vents the explosion pressure and flame through a flame arrester, thereby cooling the hot gases and quenching the flame. The IVE utilizes a stainless steel explosion relief vent and flame arresting mesh enclosed in a durable carbon steel coated frame. The integrated vent burst detection sensor allows plant personnel to respond accordingly in the event of an explosion within the protected application.

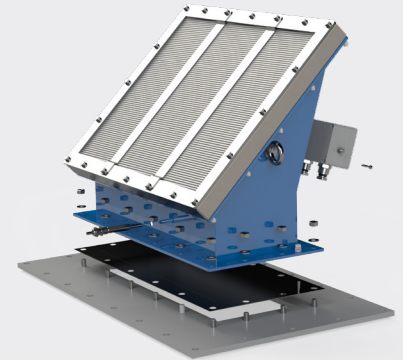
#### Features

- Designed to provide easy installation on bucket elevators
- Provides explosion pressure relief without flame ejection
- Superior efficiency due to large mesh area
- Certified to EN16009 using state-of-the-art measurement technologies
- Integrated vent burst sensor
- Inspection port to allow easy inspection
- Designed for field reconditioning
- Optional weather cover

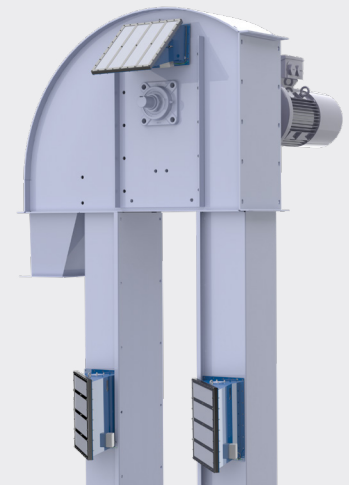
#### IVE Flameless Explosion Vent



IVE Flameless Explosion Vent



IVE Flameless Explosion Vent showing burst sensor connection box



## Application

Flameless explosion venting device designed specifically for use on bucket elevators, which are located inside a building or areas where standard explosion venting cannot be safely employed.

## Specifications

<b>Nominal Vent Size mm (in)</b>	350x650 (13.8x25.6)	300x500 (11.8x19.7)	270x458 (10.6x18)	220x740 (8.7x29)	170x470 (6.7x18.5)
<b>HxWxL mm (in)</b>	717x598x730 (28.2x23.5x28.7)	621x525x580 (24.4x20.7x22.8)	570x481x538 (22.4x18.9x21.2)	495x408x820 (19.5x16x32.3)	422x335x550 (16.6x13.2x21.7)
<b>P<sub>stat</sub></b>	0.1barg (1.45psig) +/-10%; on request: 0.06barg (0.87) +/-10%				
<b>P<sub>red, max</sub></b>	0.9barg (13.1psig)				
<b>K<sub>st</sub></b>	≤200 bar m/s				
<b>P<sub>max</sub></b>	≤10 bar				
<b>MIE</b>	>3mJ				
<b>Weight</b>	42kg/93lb	38kg/84lb	37kg/82lb	39kg/86lb	24kg/53lb
<b>Material:</b>					
<b>Vent Panel</b>	Stainless Steel				
<b>Flame Arrester</b>	Stainless Steel				
<b>Gasket</b>	EPDM or Silicone				
<b>Frame</b>	Coated Carbon Steel				

## Contact Information

IEP Technologies - Austria  
 (HOERBIGER Safety Solutions)  
 Tel: +49 2102 5889 0

IEP Technologies - Finland  
 Tel: +358 10 325 358 0

IEP Technologies - France  
 Tel: +33 1 5803 3980

IEP Technologies - Germany  
 Tel: +49 2102 5889 0

IEP Technologies - Italy  
 (HOERBIGER Safety Solutions)  
 Tel: +39 045 2370762

IEP Technologies - Sweden  
 (HOERBIGER Safety Solutions)  
 Tel: +46 70 564 3306

IEP Technologies - Switzerland  
 Tel: +41 62 207 10 10

IEP Technologies - Turkey  
 Tel: +90 232 484 4412

IEP Technologies - UK  
 Tel: +44 1242 283 060

IEP Technologies - USA  
 Tel: +1-855-793-8407

IEP Technologies - Latin America  
 (HOERBIGER Safety Solutions)  
 Tel: +55 (11) 4446 7400

IEP Technologies - China  
 (HOERBIGER Safety Solutions)  
 Tel: +86 21 6485 0855

IEP Technologies - South East Asia  
 (HOERBIGER Safety Solutions)  
 Tel: +65 6890 0770