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From: IEP Technologies - Marketing

To: IEP Distributors & Representatives

Subject: **IV8 Flameless Vent by IEP Technologies**

IEP Technologies is committed to providing a complete range of cost-effective industrial explosion protection for our customers and we are pleased to introduce latest addition to our range of Passive Explosion Protection solutions; ***the IV8 Flameless Vent***.

The IV8 Flameless Explosion vent provides an explosion protection solution for process vessels which are located inside a building or areas where standard explosion venting cannot be safely employed. With a single IV8 certified to protect up to 12.3m³, we can now provide a maximum protected volume of 49.2m³.

Enclosed within a durable carbon steel coated frame, the IV8 employs a unique folding mechanism for the integrated stainless steel relief vent and flame arresting mesh. The integrated vent burst detection sensor allows plant personnel to respond accordingly in the event of an explosion within the protected application.

Together with IEP Technologies' complementary Passive Explosion solutions including the EVN range of Flameless vents and the IsoFlap isolation valve, The IV8 Flameless Vent is available now. Please contact your local IEP Technologies Regional Manager for additional details or product support.

IV8

FLAMELESS EXPLOSION RELIEF VENT



PRODUCT INFORMATION SHEET

Description

The IV8 Flameless Explosion vent provides an explosion protection solution for process vessels 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 IV8 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

- Provides explosion pressure relief without flame ejection
- Superior efficiency due to large mesh area.
- Single device can protect up to 12.3 m³, maximum protected volume 49.2 m³
- Unique vent folding mechanism provides high venting efficiency
- Certified to protected applications with dust concentrations up to 1000g/m³
- Certified to EN16009 using state-of-the-art measurement technologies.
- Integrated vent burst sensor
- Multiple inspection ports to allow easy inspection
- Designed for field reconditioning

IV8



Application

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

Specifications

IV8 586x920	
Overall Dimensions (HxWxL) mm	978x990x1023
P_{stat}	0.10bar +/- 10%
P_{red, max}	1.0 bar(g)
K_{st}	≤200 bar . m/sec
P_{max}	≤9.9 bar (g)
MIE	>3mJ
Dust Concentration	<1000g/m ³
Weight	150kg
Material: 1. Vent Panel 2. Flame Arrester 3. Gasket 4. Frame	1. Stainless Steel 2. Stainless Steel 3. EPDM or Silicone 4. Coated Carbon Steel

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