



**ESP SAFETY INC**

Technology of the Future  
Protection for Today

The Vortex Shield is our exclusive solution for keeping airborne particulates away from the detector and optical window on our IPES Flame Detectors.

The Vortex's dual air flow assembly has two rings of air jets creating two Air-Barriers preventing obstructions from airborne particulates in extreme applications such as Powder Coating.

**Key Features**

- 16 jets of air creating 2 Air-Barriers specifically for extreme applications
- Up to 90 PSI for super-high levels of particulates
- Extreme Operating Temperatures -40°F to +257°F (-40°C to +125°C)
- 5 Year Warranty



# VORTEX SHIELD

## Dual Air Flow Assembly

**Applications**

- Powder Coating
- Sugar, Grain & Feed Processing
- Coal & Pet Coke Processing/Storage
- Processing and Storage Facilities
- Hydrocarbon Mist Enviroments
- Finishing Industries

**Features at a Glance**

- Dual Air Barriers
- Easy mounting and removal of assembly
- Designed for extreme applications
- Use any cleaner / solvent to clean
- Anodized Aluminum -OR- 316 Stainless Steel Models
- Fits all IPES Models
- 5 Year Warranty

**CONTACT**

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**TEXAS**

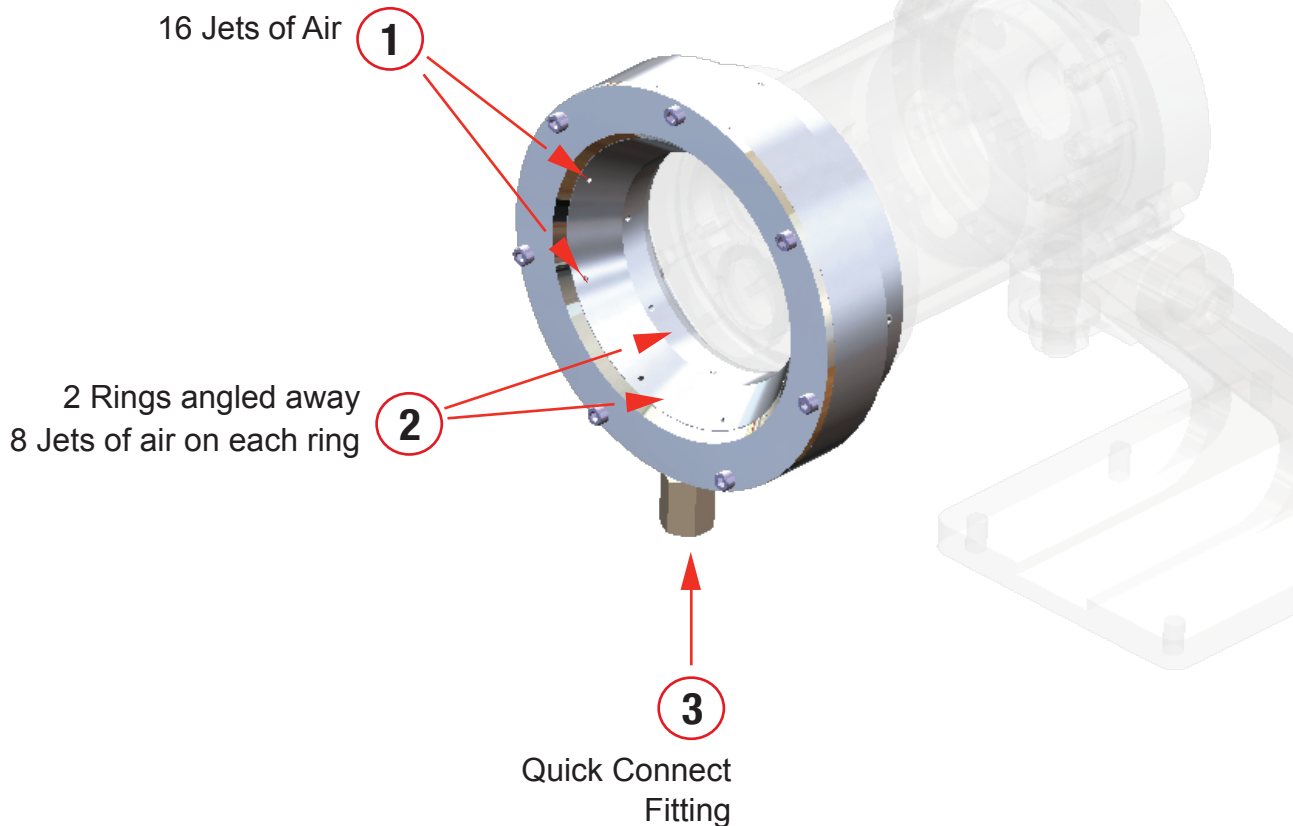
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Mechanical Characteristics

<b>Material</b>	Anodized Aluminum 316 Stainless Steel
<b>Connections</b>	1/8 NPT Female Fitting Adaptor 1/8 BSPT Male Fitting Adaptor
<b>Air Velocity Range</b>	100 to 1,000 feet a second

Technical Specifications

<b>Input Pressures</b>	10 to 90 PSI
<b>Operating Temperature</b>	-40°F to +257°F (-40°C to +125°C)
<b>Storage Temperature</b>	-76°F to +185°F (-60°C to +85°C)
<b>Ingress Protection</b>	TBA
<b>SIL Rating</b>	TBA
<b>Warranty</b>	5 years



**VORTEX SHIELD** Dual Air Flow Assembly

