

# ARGUS

## AD-50eC Metal & Spark Diverter System



### Protect Your Production Lines from Fire & Damage from Loose Metal



#### New Features

- Simplified installation in new or existing lines.
- Patented ARGUS Static Control infrared spark detectors.
- Improved protection against interference & vibration.
- Self monitoring indicator lights - low air pressure, low water level.
- Self monitoring indicator light showing when ejection bin is full.
- User friendly digital programmable control panel.

#### Standard Features

- Automatic fire and metal protection for production lines.
- Available as metal, spark or metal & spark diverter.
- 24 volt operation, requires 80 PSI / 5.5 BAR plant air pressure.
- Compact - requires only 3.4 meters for installation.
- 50 millisecond reaction time, means less waste.
- Water spray extinguisher system is easy & inexpensive to refill.
- Operates in both positive and negative pressure.
- Spark is diverted, extinguished, machines stopped & alarm sounded.
- Metal is diverted into a collection can and production is not interrupted.



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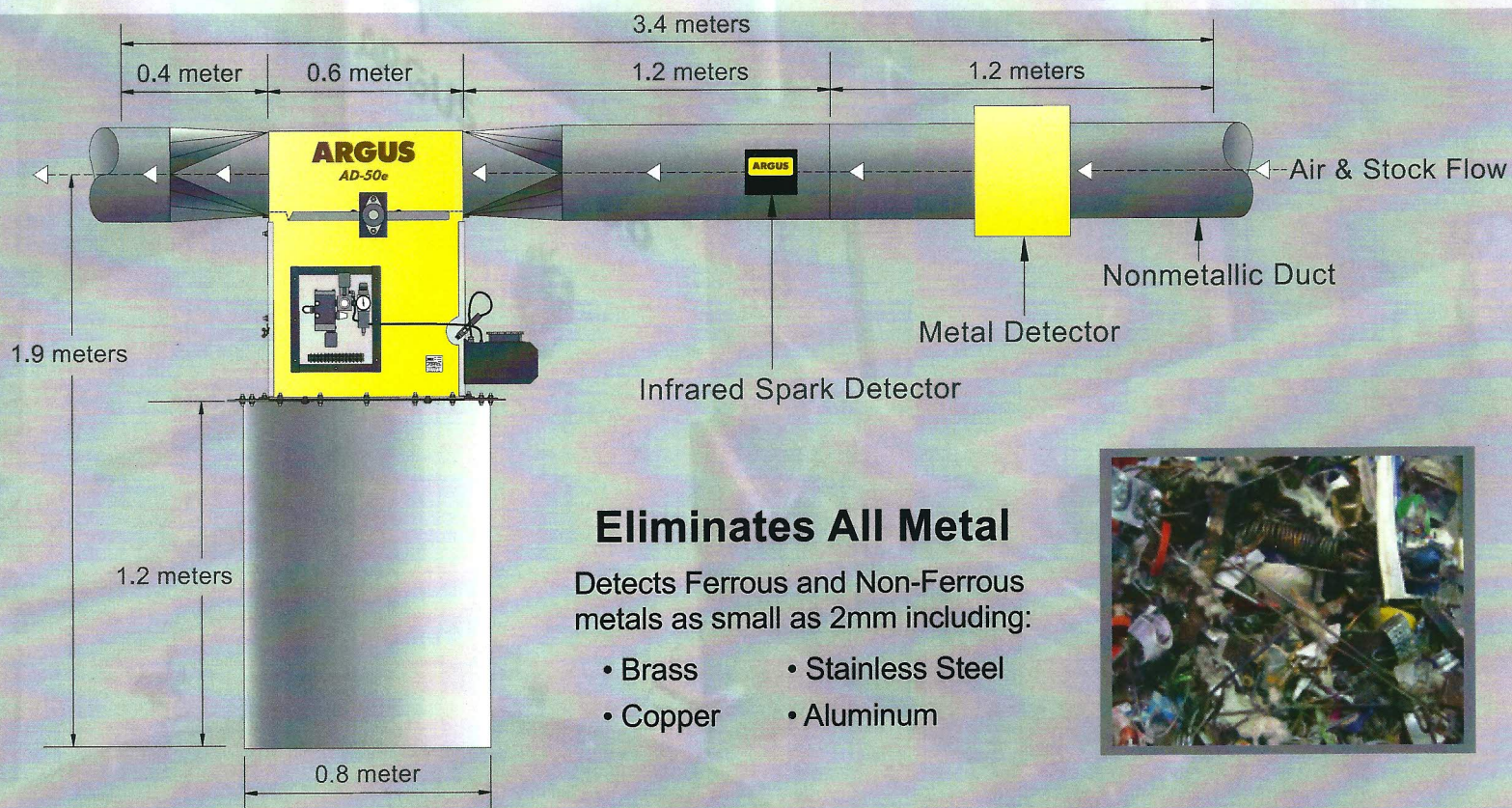
**ARGUS**  
Charlotte, NC USA

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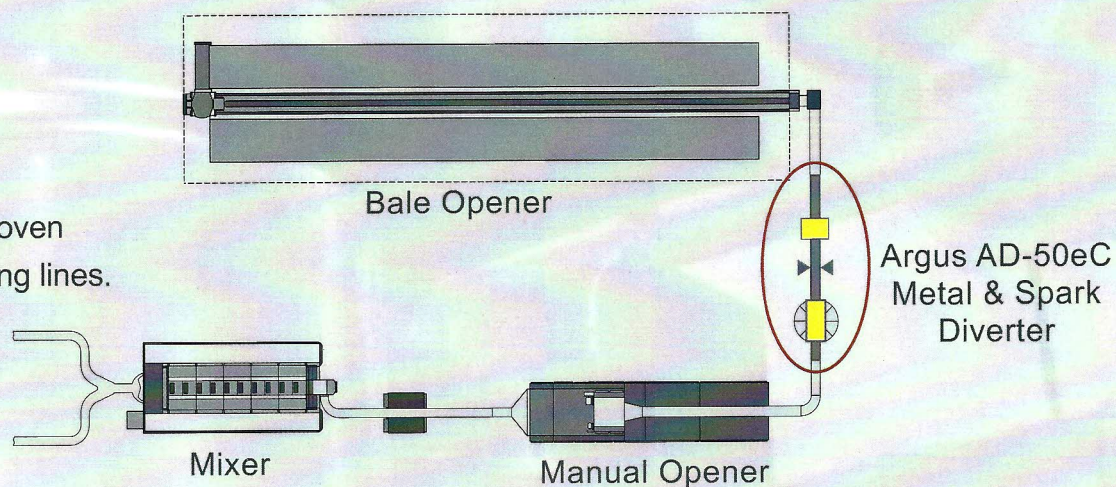


### Diagram with Dimensions



### Example Location of AD-50eC

Also used to protect Non-Woven card lines and waste recycling lines.



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## Filtration System Fire Protection



### Protect Your Filters and Compactors from Costly Fires



Fires that start in production machinery quickly spread to the air filtration system. If the air filtration system is disabled by fire damage, a mill cannot continue to operate its production machinery.

ARGUS FIRE CONTROL systems detect and control these fires in only 50 milliseconds.

The ARGUS system uses Infrared Spark Detectors to detect a single spark, activate an automatic fire extinguisher, sound alarms, and shut down the filtration and production machinery.

### Causes of Sparks and Fires

- "Hot Bales" from the Gin
- Stones in Cotton Bales
- Stray Metal & Wire in Bales
- Loose Metal from Machines
- Electrical Short Circuit
- Friction and Choke Up

### ARGUS Systems Protect:

- Pre-Separators
- Waste Compactors
- Rotary Filters
- Fine Dust Filters
- Panel Filters
- Vacuum Waste Systems
- Bag Filters
- Balers

**from All Manufacturers**





### The Argus 343 Infrared Spark Detector



- Detects a single spark in 5 milliseconds.
- Detects sparks at speeds up to 60 meters per second.
- Patented design and circuitry eliminates reaction to static electricity.
- Operates in temperatures from -40°C to +85°C.
- Low voltage 24 volt operation.
- Available in indoor and outdoor models.

### Automatic Dry Chemical Extinguishing System

- The ARGUS Dry Chemical System is automatically activated within 50 milliseconds of spark detection.
- Each high speed discharge uses 15 kilos of Dry Chemical Powder and is designed to be refilled onsite in minutes.
- Dry Chemical Powder is available worldwide and best for extinguishing sparks and fires in high volume air filtration systems.
- Low voltage 24 volt operation is safe and easy to maintain.

