

# **EXPLOSIVE DUST ROADMAP**

HAS YOUR DUST BEEN TESTED?

NO

IS IT COMBUSTIBLE

NO

KST Less Than 200

ST-2 Hazard Class KST 201-300 pmax 10

ST-3 Hazard Class KST 300 and Above pmax 12

**GET IT TESTED!** 

**Explosion Isolation Valve** 

### INLET

### INLET

**Explosion Isolation Valve** 

Chemical Explosion Isolation

Fast Acting Slide Gate

### INLET

**Chemical Explosion Isolation** 

Fast Acting Slide Gate

Explosion Venting

## COLLECTOR

### COLLECTOR

Explosion Venting (outside installation)

Explosion Venting (ducted outside)

**Chemical Explosion** 

Flameless Vent

### COLLECTOR\*

**Explosion Venting** 

**Explosion Venting** (ducted outside)

Chemical Explosion Suppression

Air NOT Returning

### OUTLET

Air NOT Returning to the Building

Chemical explosion Isolation Fast acting slide gate

### OUTLET

Air NOT Returning to the Building

Chemical explosion Isolation Fast acting slide gate

The above explosive dust roadmap is intended to guide a process owner on the proper items to consider when using a dust or fume collector on combustible dust. The final decisions should be made to protect life and property based on a Dust Hazard Analysis / Process Hazard Analysis performed by the business owner. We can help guide you through which products or features may be needed, but the business owner should consult an independent expert before selecting their final strategy he expert can help the owner with the applicable laws, regulations and standards, including NFPA guidelines. This guide may not identify all the possible options and can help mitigate but not eliminate the risk of fire and explosion.