Superior spark arrestance for welding, grinding and metal cutting applications.
Stop fires before they start.

Sparks are a natural byproduct of welding, grinding and metal cutting—but if they are left uncontrolled, the resulting fires can have devastating consequences. Now you can protect your workers, equipment and facilities with the most advanced and efficient spark arrestance system available on the market today.

Delta3 is built on groundbreaking technology that uses centrifugal force to kill sparks before they have a chance to grow. By stopping fires right at the source, Delta3 creates a safer work environment and vastly reduces the risk of avoidable work accidents. And our innovative design will help you keep productivity high, operating costs low, and maintenance costs to a minimum.

How? Our Delta3 units are self cleaning to minimize maintenance costs and system downtime. They also provide superior air flow compared to traditional spark arrestance systems, which lowers energy costs and maximizes the life of your filters. Delta3 delivers:

- Excellent spark control
- Self-cleaning operation
- Low pressure drop

Fires: An accident waiting to happen

Fires require three main elements in order to ignite or be sustained:

- Fuel Source
- Oxygen
- Heat or Ignition Source

In a Fume Collection system servicing a welding or metal cutting process, these three elements come together when a hot spark makes its way into the collector and comes in contact with a filter cartridge. Fume Collection systems move air at high speed and therefore provide an excellent source of Oxygen, so it is critical to employ a system that effectively kills the sparks (the ignition source) before they reach the dust particulate (the Fuel).

Protect your workers and your assets with the Delta3 Spark Arrestance System.
A Breakthrough in Engineering

Delta3 is based on an advanced patent-pending technology that represents a major breakthrough in spark arrestance. RoboVent Engineers used Computational Fluid Dynamics (CFD) to accurately model how embers would respond to different spark arrestor designs. We simulated hundreds of design iterations and put the best ones to test in real-world comparison studies against existing competitive systems.

The result? Delta3 was the only unit that provided complete, reliable spark arrestance in comparative studies, controlling 99.9% of sparks.

Helpful Hint
Under extensive lab testing, the Delta3 proved to be more effective than leading competitors at preventing sparks from entering the filter cabinet. Visit www.robovent.com/delta3comparison for a video demonstration.

Delta3 vs. The Competition:
Delta3 stamped out the competition in comparative tests. It’s the only technology in our comparative testing that extinguished 99.9% of sparks for welding, grinding and plasma cutting applications.

Sparks per Minute

<table>
<thead>
<tr>
<th>Application</th>
<th>Delta3</th>
<th>Competitor 1</th>
<th>Competitor 2</th>
<th>Competitor 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welding</td>
<td>0</td>
<td>4</td>
<td>150</td>
<td>1</td>
</tr>
<tr>
<td>Plasma Cutting</td>
<td>0</td>
<td>45</td>
<td>1050</td>
<td>5</td>
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<tr>
<td>Grinding</td>
<td>0</td>
<td>180</td>
<td>4760</td>
<td>300</td>
</tr>
</tbody>
</table>

It only takes one spark to start a fire. Call us today to find out how Delta3 can help you protect your workers and your plant from preventable fires.

Call 888.ROBOVENT today!
Manual Welding Fume Extraction

Integrated Cooling Equipment

Oil Mist Extraction

Mobile Dust Collectors

Aftermarket Replacement Filters

Robotic Welding Fume Collection

Maintenance Programs

Full-Plant / Ambient Air Cleaning Systems

Laser & Plasma Cutting Fume Collection

Dust Collection Systems

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Improving Lives through Clean Air™

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