The Spark Guardian™ is highly efficient in preventing sparks and cigarette butts from passing through, and on to the filter. Also, it is a very effective in-line pre-separator, reducing dust load in the connected fume control filter system.

The Spark Guardian™ is to be mounted in a horizontal position. Its modular housing enables maintenance without duct disassembly.

The Spark Guardian™ comes with a 5 gal. dustbin and inspection hatches. The distance between the spark arrestor and dustbin can be lengthened by adding a duct of 8 inches in diameter between the two.

APPLICATIONS:

The Spark Guardian™ is part of Lincoln Electric’s GUARDIAN™ fire safety solutions for fume control systems and is recommended for applications with an increased fire risk, such as:

- Robotic welding of oily stamped products
- Robotic and automatic welding of oily products
- Manual welding of oily products
- Cutting tables
- Schools/Other areas with risk of cigarette butts

SPECIFICATIONS:

- Physical Dimensions and Properties:
  - Material:
    - Inlet & Outlet: Powder-Coated Steel
    - Spark Twist: Galvanized Steel
    - Dustbin: Steel (Painted Black)
    - Hose: Fiberglass/Kevlar/Metal

- Separation of Sparks:

= sparks
= air

- Installation Possibilities:
TABLE 1: SPECIFICATIONS PER TYPE

<table>
<thead>
<tr>
<th>SPARK GUARDIAN™</th>
<th>10</th>
<th>16</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Dimensions and Properties</td>
<td>[\text{in.}]</td>
<td>[\text{in.}]</td>
<td>[\text{in.}]</td>
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<tr>
<td>A</td>
<td>19.7</td>
<td>28.0</td>
<td>35.4</td>
</tr>
<tr>
<td>B</td>
<td>9.9</td>
<td>15.7</td>
<td>19.7</td>
</tr>
<tr>
<td>D</td>
<td>17.0</td>
<td>23.1</td>
<td>25.7</td>
</tr>
<tr>
<td>E</td>
<td>min. 41.5</td>
<td>min. 47.2</td>
<td>min. 52.2</td>
</tr>
<tr>
<td>F</td>
<td>7.9</td>
<td>7.9</td>
<td>7.9</td>
</tr>
<tr>
<td>G</td>
<td>13.6</td>
<td>15.2</td>
<td>19.9</td>
</tr>
<tr>
<td>H</td>
<td>24.3</td>
<td>34.1</td>
<td>42.8</td>
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<tr>
<td>Total Weight (net):</td>
<td>52.1 lbs</td>
<td>79.4 lbs</td>
<td>119.0 lbs</td>
</tr>
<tr>
<td>Spark Arrestor Only:</td>
<td>44.1 lbs</td>
<td>70.5 lbs</td>
<td>110.0 lbs</td>
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<tr>
<td>Appropriate duct size</td>
<td>10 in.</td>
<td>16 in.</td>
<td>20 in.</td>
</tr>
</tbody>
</table>

Accessories:
- Manual clamping: MD-8
- Shipping Data:
  - Gross weight excl. pallet: 61.7 lbs, 81.6 lbs, 90.4 lbs
  - Gross weight incl. pallet: 90.4 lbs, 119.0 lbs, 132.3 lbs
  - Packing dimensions: 31.5 x 23.6 x 31.5, 47.2 x 31.5 x 39.8, 47.2 x 39.8 x 47.2

PRESSURE DROP & WORKING RANGE

ORDER INFORMATION

<table>
<thead>
<tr>
<th>Product Name</th>
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<td>AD1387-4</td>
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<tr>
<td>Spark Guardian™ 16</td>
<td>AD1387-5</td>
</tr>
<tr>
<td>Spark Guardian™ 20</td>
<td>AD1387-6</td>
</tr>
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</table>

WORLD-CLASS WELD FUME CONTROL EXPERTISE

Our technical sales team is trained and knowledgeable about the methodology of substation, isolation, and ventilation. As a key partner, with a wealth of experience and knowledge of welding, welding fume and welding fume removal, we can assist you to identify the right weld fume control solution for your application. Lincoln Electric has a global network of facilities and people to provide quick response and personalized attention, no matter where your welding operations are located.

SUPPORT & TRAINING PROGRAMS

We offer support materials, training tools, free seminars and courses to enhance your welding and cutting safety program.

Our service and support programs are designed to meet your needs. For on-going preventive maintenance and support, our team can train your staff, conduct evaluations or audits and deliver the services you need to stay productive and effective.

VALUABLE CUSTOM SOLUTIONS

The Lincoln Electric weld fume control team understands and recognizes that each welding application is unique with its own set of variables; one equipment and consumable solution does not fit every application. Our team will engineer a system to efficiently and effectively remove welding fume and particulate from your metalworking operations.

Contact us today!

Environmental Solutions Group
1-888-935-3878 (Menu option #4)

Automation After-Hours Technical Support
1-888-532-8001

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Automation Division
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Cleveland, OH 44117-2525 U.S.A.
1-216-481-8100

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