sureSpark™
High Energy Ignition Systems

MAXIMIZE YOUR PERFORMANCE. MINIMIZE YOUR COSTS.

Our sureSPARK™ High Energy Ignition Systems are expertly engineered to provide the most reliable fuel ignition for your toughest combustion applications. Whether you’re firing gas, light oil, diesel or residual fuel, sureSPARK gives you efficient, effective performance light after light.

Our ignition experts leveraged more than 40 years of ignition experience and an unsurpassed knowledge of stored energy and sparks-per-second (SPS) optimization to create sureSPARK. By developing innovative, proprietary designs and utilizing solid-state materials, we gave sureSPARK unparalleled ignition reliability and repeatability so you can avoid the cost and hassle of maintaining a back-up starting fuel system.

AT A GLANCE.
The sureSPARK High Energy Ignition Systems are packed with features for unbeatable performance.

- Built-in predictive life diagnostics
- Unsurpassed fuel-type diversity
- Black start capability
- Moisture seal-out designs of igniter tips and cables
- Hazardous area rating
- AC and DC input power options
- Flex rod technology
- Certified for your environment: ATEX, CE, UL, CSA, ETL Listed – Class 1, Div 2, Groups A,B,C and D
- Caustic environment resistant (including H₂S “Sour Gas”)
- Solid state technology with NO gas discharge tubes or radioactive materials

Streamline your operations, ensure reliability, and save both operational and capital dollars. Go with the sure thing: sureSPARK.

SYSTEM MODELS:
- Light Oil: LO-2/4/6 SPS
- Bio-Diesel: BD-5 SPS
- Residual Fuel: RF-20 SPS

CHENTRONICS
Recommended MINIMUM Spark Rates

SPARK RATE (SPS)

Recommended MINIMUM Spark Rates

Gas
Diesel
HFO

IGNITING INNOVATION
HARDWARE SPECIFICATIONS.*

<table>
<thead>
<tr>
<th>SYSTEM MODEL</th>
<th>LO-2</th>
<th>LO-4</th>
<th>LO-6</th>
<th>BD-5</th>
<th>RF-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Predictive Life Diagnostics</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Radioactive Components</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Moisture Seal Available</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Solid State Electronics</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>System Input Power</td>
<td>100-240 VAC 50/60 Hz</td>
<td>100-240 VAC 50/60 Hz</td>
<td>100-240 VAC 50/60 Hz</td>
<td>10-30 VDC</td>
<td>100-240 VAC 50/60 Hz</td>
</tr>
<tr>
<td>Stored Energy (joules)</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>Spark Rate (nominal SPS)</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>Typical Exciter Size (inches)</td>
<td>11&quot;x7&quot;x7&quot;</td>
<td>11&quot;x7&quot;x7&quot;</td>
<td>9.6&quot; x 76&quot; x 6.2&quot;</td>
<td>4&quot;x6&quot;x3&quot;</td>
<td>12&quot;x12&quot;x8&quot;</td>
</tr>
<tr>
<td>Igniter Temperature Rating (°C)</td>
<td>Up to 1000</td>
<td>Up to 1000</td>
<td>Up to 1000</td>
<td>Up to 1000</td>
<td>Up to 1000</td>
</tr>
<tr>
<td>Exciter Temperature Range (°C)</td>
<td>-25 to 75</td>
<td>-25 to 75</td>
<td>-25 to 75</td>
<td>-40 to 85</td>
<td>-25 to 75</td>
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</tbody>
</table>

* Specifications subject to change at any time.