

SureSpark™

High Energy Ignition System

MAXIMIZE YOUR PERFORMANCE. MINIMIZE YOUR COSTS.

Our SureSpark High Energy Ignition System is expertly engineered to provide the most reliable fuel ignition for your toughest combustion applications. Whether you're firing gas, light oils, bio-diesel or heavy oils (residual fuels), SureSpark gives you efficient, effective performance light after light.

Our experts leveraged more than 40 years of ignition experience and an unsurpassed knowledge of ignition 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 System is packed with features for unbeatable performance.

- Built-in predictive life diagnostics
- Unsurpassed fuel-type diversity
- Sparks-per-second (SPS) optimized for different fuels
- 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

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



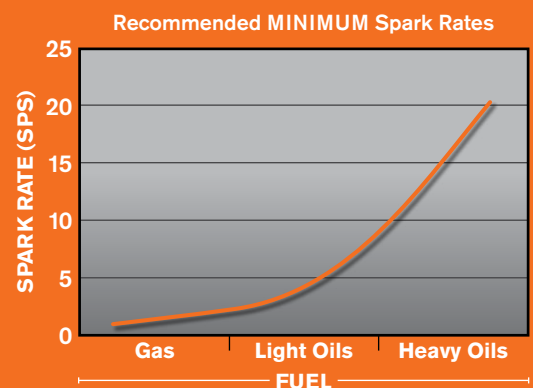
SureSpark™

SYSTEM MODELS:

Gas and Light Oils: LO-2/4/6 SPS

Bio-Diesel: BD-5 SPS

Residual Fuel: RF-20 SPS





Chentronics is an ISO 9001:2008 Certified, global leader with 40 years of innovative ignition and flame assurance solutions for natural gas, light oil, diesel and residual fuel.



HARDWARE SPECIFICATIONS.*

| SYSTEM MODEL | LO-2 | LO-4 | LO-6 | BD-5 | RF-20 |
|--|---|---|---|---|--|
| Suitable Fuels (G-Gas, LO-Light Oils, D-Diesel, BD-Bio Diesel, RF-Residual Fuels) | G | G/LO/D | G/LO/D | G/LO/D/BD | G/LO/D/BD/RF |
| Predictive Life Diagnostics | Yes | Yes | Yes | Yes | Yes |
| Moisture Seal Available | Yes | Yes | Yes | Yes | Yes |
| Solid-State Electronics | Yes | Yes | Yes | Yes | Yes |
| System Input Power | 100-240 VAC 50/60 Hz | 100-240 VAC 50/60 Hz | 100-240 VAC 50/60 Hz | 10-30 VDC | 100-240 VAC 50/60 Hz |
| Stored Energy (Joules) | 12 | 12 | 12 | 2 | 12 |
| Spark Rate (nominal SPS) | 2 | 4 | 6 | 5 | 20 |
| Typical Exciter Size | 11 x 7 x 7 in. (279.4 x 177.8 x 177.8 mm) | 11 x 7 x 7 in. (279.4 x 177.8 x 177.8 mm) | 9.6 x 7.6 x 6.2 in. (243.84 x 193.04 x 157.48 mm) | 4 x 6 x 3 in. (101.6 x 152.4 x 76.2 mm) | 12 x 12 x 8 in. (304.8 x 304.8 x 203.2 mm) |
| Igniter Temperature Rating | Up to 1,832°F (1,000°C) | Up to 1,832°F (1,000°C) | Up to 1,832°F (1,000°C) | Up to 1,832°F (1,000°C) | Up to 1,832°F (1,000°C) |
| Exciter Temperature Range | -13 to 167°F (-25 to 75°C) | -13 to 167°F (-25 to 75°C) | -13 to 167°F (-25 to 75°C) | -40 to 185°F (-40 to 85°C) | -13 to 167°F (-25 to 75°C) |

* Specifications subject to change at any time.



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UTILITIES | INDUSTRIAL | PETROCHEMICAL | MARINE | GAS TURBINES | BURNERS | PILOTS | FLARES