

SmartSpark[®]

High Energy Ignition System

PREDICT IGNITION FAULTS BEFORE THEY OCCUR.

A reliable ignition system is vital to maintaining dependable operations. After all, the performance of any pilot, boiler or burner starts with successful ignition. That's why Chentronics developed SmartSpark. Unlike other systems, SmartSpark self-monitors tip wear, so you can replace the igniter tip before an ignition fault occurs. It's revolutionary technology that delivers peace of mind and ensures ignition reliability, spark after spark.

RELIABILITY IN HIGH-MOISTURE AREAS.

Harsh conditions like high-moisture areas are no problem for SmartSpark. Even when completely submerged, SmartSpark provides high energy, optimized performance — all in an exceptionally compact design. In fact, SmartSpark with the spark rod and igniter tip is one of the smallest, most powerful ignition systems available. SmartSpark is also convenient to use, requiring only *one* cable for input power.

Streamline your operations, ensure reliability, and save both operational and capital dollars. Make the smart choice with SmartSpark.



SmartSpark[®]

DIAGNOSTIC INDICATOR:

Pre-fault LED indicator for igniter tip wear

IGNITION FUEL TYPES:

Natural Gas, #2 Distillate and Diesel

CERTIFICATIONS:

ATEX and ETL Listed Class 1, Div 2, Groups A, B, C and D

ELECTRONICS:

Solid-state technology



Chentronics is an ISO 9001:2015 Certified, global leader with 40 years of innovative ignition and flame assurance solutions for natural gas, light oil, diesel and residual fuel.



HARDWARE SPECIFICATIONS.*

EXCITER

- + **Size:** Approx. 4 x 2 x 6 in. (100 x 50 x 150 mm)
- + **Input Power:** 100-240VAC, 50-60 Hz
- + **Stored Energy:** 4 Joules minimum
- + **Spark Rate:** 15 sparks-per-second (SPS) for 30 second burst, then 1 SPS
- + **Temperature:** Operational -40 to 185°F (-40 to 85°C)

INPUT POWER CABLE

- + **Voltage Rating:** UL rated 600V
- + **Connector:** IP66 Quick Connect
- + **Temperature:** Operational -40 to 221°F (-40 to 105°C)

STANDARD IGNITER TIP

- + **Weight:** 0.50 lb. (0.23 kg)
- + **Length:** 12 in. (305 mm)
- + **Temperature Limit:** 1,200°F (649°C)

OPTIONAL EQUIPMENT

- + Extension rods

* Specifications subject to change at any time.



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