

SmartSpark



Chentronics

Revolutionary Technology Advancements



NO HIGH VOLTAGE CABLE Exciter Mounts Directly On The Rod

The 2" (50MM) X 4" (100MM) X 6" (160MM) exciter can be easily replaced without removing the rod. The power output is 60 watts minimum during the 30 second burst (whenever power is applied); then the spark rate reduces automatically to 1 SPS continuous duty.

WEAR INDICATOR Identify Ignition Faults – Before They Happen

A flashing indicator allows the operator to observe the igniter health during operation. During normal wear, igniters "skip" or operate intermittently as they approach end of life. The indicator flashes OFF whenever energy is released. When the flashing is "intermittent", this indicates that the igniter tip is near end of life; the light remains "ON" to indicate the igniter is open.



Indicator illuminates when
energy is not released

FAQ (Frequently Asked Questions)

What fuels can be ignited?

This system will reliably ignite light oil (No. 2 oil, Diesel) and gas.

Is Retraction Needed?

Retraction is only used to prevent damage to the igniter tip. The last inch of the igniter tip can withstand 1000° C. The maximum temperature of the connector end of the igniter tip is 649° C. Retraction is used if these temperature limits are exceeded; in general, this only applies for direct ignition of a main fuel.

How long will the igniter tips last?

Igniter Tips are expected to last 750,000 sparks. As they wear, the spark energy increases (spark size and intensity). Life will depend on the temperature, environment and duty-cycle.

How long will the exciters last?

Standard exciter warranty is one year. The typical useful life of many of our exciters is approximately ten years.

Is the spark reliable in high moisture conditions?

This system even fires while frozen in a block of ice or completely underwater.

