



Electrodes and Flame Safeties

Heavy-duty, reliable flame ignition and monitoring.

How It Works

Selas Ignition Electrodes are heavy duty, long lasting igniters that are available in any length and many designs (straight tip, bent tip, flag tip, tent, etc.). Made of non-corrosive stainless steel bodies, the cartridges are made of the highest grade steatite that can withstand temperatures up to 1,700° F without breaking. Nichrome or Kanthol tips are used to both spark and rectify the flame. These tips can withstand temperatures to 2,400° F.

Certain localities, nationally and internationally, require you to rectify a flame over a certain length. In Canada, for example, you need to prove the flame if the burner is longer than 1 meter. Selas offers a proven, reliable solution to this problem. FarSide Sensing™ has TSA approvals and has been in operation for over 3 years. This product can be retrofitted to any burner and is available for new installations.

Applications:

- Used on process burner pilots to spark and rectify the flame



Diverse Combustion Technologies. One Reliable Source.

Operating Principles

Flame Safeties

Local, state, national and international codes state that you need the ability to prove you have a flame after ignition of the air/gas mixture. The following Selas products deliver what you need for compliance.

SNS-120

THE flame safety for all industries. Available in 120V and less than 1 amp. This economical solution to flame rectification is a must. It's simple to use and install. It uses the same igniter to both spark the air/gas mixture and then rectify the presence of the flame. It comes in a sturdy enclosure with On/Off switch, and red and green lights that easily let you know it's doing its job. The module alone is also available.

SNS-122

This flame safety is the same as the SNS-120 but also provides a remote return signal should you require a separate probe for rectification.

Spark N Sense

This 24V Honeywell model S-87 comes in a sturdy aluminum box and meets most regulations.

Features	Benefits
Heavy duty, long lasting igniters	Available in many lengths and designs
Non-corrosive stainless steel construction	Long service life under harsh conditions
High-grade steatite cartridges	Withstands temperatures up to 1700° F
Nichrome or Kanthol tips	Able to both spark & rectify flames at temps up to 2400° F



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