



# SM SERIES

High Stability, Waterproof Pilots

BURNERS

FLARES

INCINERATORS

PARTS & SERVICE

# SM SERIES

## High Stability, Waterproof Pilots

*The SM Series HEI ignition and flame rod are protected from moisture by design.*

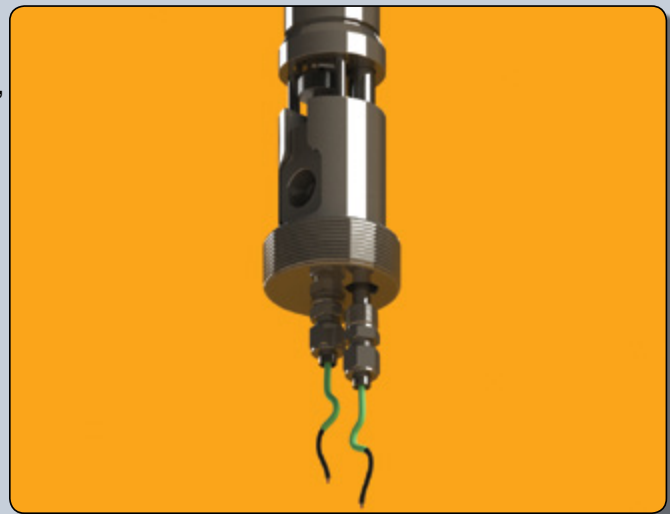


### Smart design. Solid performance.

When the industry demanded a pilot with moisture-proof flame detection and integrated high-performance electronics, Zeeco delivered. As the world leader in combustion solutions, Zeeco understands reliability, durability, and safety are essential for proper pilot operation. Zeeco's proprietary SM series pilot features a waterproof High Energy Igniter (HEI) for superior ignition performance. Our hermetically-sealed flame rod delivers reliable flame detection, even in the wettest environments. The flame rod is located within the pilot tip to enable the most reliable flame signal and can be operated over a wide range of fuels from 90% hydrogen to 100% propane. The junction box seals and protects all electrical connections from moisture and eliminates the need for environmentally-related electrical maintenance repairs.

### Peace of mind. Every time.

Zeeco's HEI ignition probes are rated at two joules for first time, every time firing. This technology combines a robust, high energy discharge spark with long lasting performance. Zeeco's HEI Ignition Probes are superior to other traditional probes in that they will spark even when submerged underwater. We can custom design enclosures that mount to the bottom of the pilot for almost every area classification. In support of Zeeco's innovative design philosophy, our SM series pilot features a removable spud holder for easy, routine maintenance. We also offer a forced draft version.



*The SM Series Pilot features an easily removable flame rod with a full length guide tube for precise location. Both the flame rod and ignition probe are removable from the bottom of the pilot without removing the pilot from the burner.*

Feature Comparison	Traditional	SM
Hermetically-sealed flame rod	NO	YES
Easily removeable spud holder	NO	YES
Integrated flame relay detection system	NO	OPTIONAL
Integrated HEI ignition module	NO	OPTIONAL
Integrated explosion-proof enclosure	NO	OPTIONAL
Forced draft pilot air supply	NO	OPTIONAL



Maintenance is easy with the SM Series removable spud holder.



Zeeco has the advanced technology and decades of experience to back up our field proven products. Our Combustion Research and Test Facility was the first in the world to become ISO 9001-2000 certified. With 15 full-scale test furnaces, Zeeco is capable of testing a wide variety of combustion systems under simulated field conditions.

### The Zeeco difference.

Our only business is the combustion business. By concentrating on what we do best, Zeeco has grown into a worldwide leader in combustion solutions. We are a privately held company whose ownership stays highly involved in daily operations, with upper management comprised of the world's leading combustion experts.

When you call Zeeco, we answer. When you make a request, you get a quick response. Our sales, engineering, and purchasing groups work hand-in-hand to deliver highly competitive quotes and heroic turnaround times. We stand ready and willing to travel anywhere in the world to discuss upcoming projects firsthand and to ensure every project runs seamlessly.

Choose the market leader. Choose Zeeco.

### Design Features

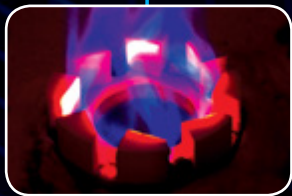
- Hermetically-sealed flame rod
- High Energy Ignition (HEI) rated 2 Joules
- Integrated explosion-proof enclosure (Optional)
- Easily removable spud holder
- Integrated flame relay and ignition module (Optional)
- Investment cast components
- Easy to retrofit

### Operating Information

- Heat release: 90,000 Btu/hr (26 kW)
- 5-15 psig pilot operating range (0.4-1.05 kg/cm<sup>2</sup> g)
- Input power requirements 110v/220v



SM Series Pilot



**BURNERS**



**FLARES**



**THERMAL OXIDIZERS**



**PARTS & SERVICE**



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ZEECO® combustion and environmental solutions are designed and manufactured to comply with applicable local and international standards as defined by our customers.



REGISTERED  
ISO 9001:2008

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