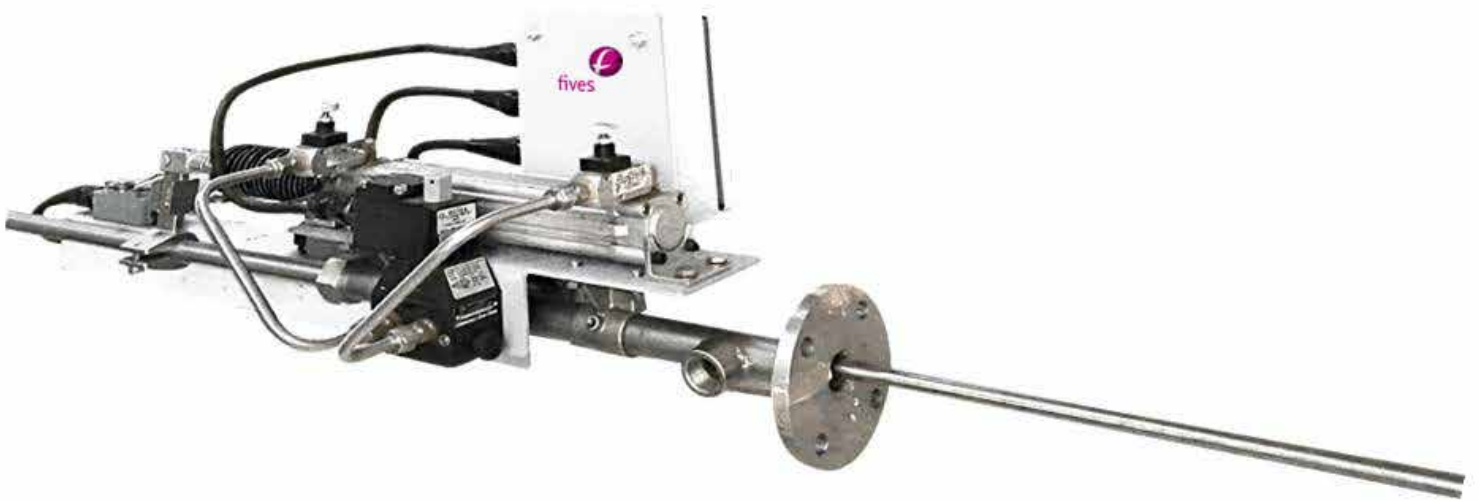


# Pillard Powerpack™

High energy electric ignitor



Quick and ultimate technology for industrial burners

- Ergonomic device
- Flexible equipment
- Maintenance free

# Efficient, reliable and fast ignition for industrial burners and all types of fuels

Designed by Fives, Pillard Powerpack™ ensures efficient ignition under the most difficult conditions such as humidity, sediments and oxidation.

## IGNITION PRINCIPLE

Pillard Powerpack™ is a high energy electric ignitor based on the principle of igniting the burner flame directly by a high energy spark. The spark rod discharges high energy pulses of electrical power in the burner fuel zone.

Once the ignition of the fuel has taken place, Pillard Powerpack™ stops, and the fuel is allowed to continue combustion under its own ignition.



Electronic unit

## ERGONOMIC DEVICE

Pillard Powerpack™ consists of separated parts – actuator assembly, control cables, spark rod and power cables – installed close to the burner with a jack, ensuring a fast utilisation.

## FLEXIBLE EQUIPMENT

Pillard Powerpack™ is supplied with cable length according to burner installation (up to 9.14m).

## MAINTENANCE FREE

Pillard Powerpack™ is a sturdy system with a discharging capacity of up to 1,000°C.

## OPTIONS

- Ex-proof portable device
- Maintenance contract
- 3-year warranty

## SERVICES

- Maintenance kit (nozzle and seal)
- On-site training
- Commissioning

## Technical features

Protection rating	IP65 (EN 60529)
Power supply	110V / 230V AC(+10% - 15%), 50Hz - 60Hz
Electrical consumption	400VA
Auxiliary relay rating	230V AC / 110V AC, +10% - / 24V DC
Rod diameter	16mm or 25mm
Rod length	2m (others on request, restricted to 7 meters)
Maximum recommended ignition time	15s
Ignition characteristics	Voltage: 2,000V Energy: 12 Joules/spark Frequency: 6Hz
Ambient operating temperature	-20°C to +65°C
Dimensions / weight	344 x 272 x 110mm ; 9.7Kg

## HEE1 actuator assembly specification

Control supply	220V AC / 110V AC, +10% - 15%, 50Hz / 24V DC
Instrument air pressure	4 - 7Kg/cm <sup>2</sup>
Instrument air connection	¼" NPT
Insertion length	8 Inches, standard
Cooling air	16.9 cube meters per hour at 200mm H2O (above furnace pressure)

## Cable features

Standard length	4m
Outer diameter	20mm
Temperature range	-20°C to +105°C