

HIGH ENERGY POWER UNIT XEC18H



Standard high energy power packs XEC18H are suitable to light all gases and light oil in boilers, furnaces or gas turbines.

| | | |
|-----------------------|------------------------------------|-------------------------------|
| INPUT VOLTAGE | 115Vac 50Hz (60Hz on request) | 230Vac 50Hz (60Hz on request) |
| INPUT CURRENT | RMS 2,5 A / Max 9,5 A | RMS 3,6 A / Max 15,5 A |
| INPUT POWER | 160 W +/- 5% | 320 W +/- 5% |
| OUTPUT VOLTAGE | 3000 V +/- 10% | |
| OUTPUT ENERGY | 18 J each spark +/- 10% | |
| DUTY CYCLE (60°C) | 20 sec ON - 40 sec OFF max 3 times | 33% |
| MEAN SPARK FREQUENCY | 2 sparks / second | |
| OPERATING TEMPERATURE | -5°C ÷ +60°C | -30°C* ÷ +60°C |
| PROTECTION GRADE | IP66 | other options on request |

* special execution

data subject to change without notice



HIGH ENERGY IGNITION SYSTEMS FEATURES

High Energy ignition systems assure **easy ignition in any condition**, providing the following advantages:

- they **can replace traditional air/gas pilot torches**, providing the most reliable and cost-effective fuel ignition whether gas, light oil, diesel or heavy oil is used
- they are **not affected by humidity or liquids** (100% waterproof) or by dirty deposits left onto electrodes by burning processes
- they are **maintenance free**, offering **lower ignition costs** and high adaptability in all kind of burners, even replacing old traditional ignition devices
- they are safer for end users, with no risks of electric shocks.

Tesi ignition systems feature a high flexibility of applications, both in safe and hazardous areas.

According to the areas where ignition systems shall be installed, Tesi can provide power units in different types of enclosures, fit to **potentially explosive atmospheres (ATEX classified)**:



XEC SYSTEM WITH EJB ENCLOSURE

Fixed and portable systems that can satisfy even the most critical applications for hazardous areas
II2G Ex d IIB+H2 IP66



XEC WITH GUB ENCLOSURE

Fixed and portable systems that can satisfy even the most critical applications for hazardous areas
II2G Ex d IIC IP66



XEC WITH SA ENCLOSURE

Fixed and portable systems that can satisfy even the most critical applications for **safe areas IP66**

