

# POWER UNIT

## EXHP POWER UNIT

A high load 6 kV Power Unit which supplies the energy used to run the Fraser ATEX Certified EX1250 Static Eliminator Bars. The EXHP Power Unit offers many advantages for the international manufacturer.

The EXHP Power Unit produces the high voltage and low current in a controlled and safe way to provide the power for Fraser ATEX certified EX1250 Static Eliminator Bars.



- > The unique 6 kV flat form transformer provides more ionisation with less stress.
- > It has bayonet connectors for fast and easy connection of the EX1250 Bars.
- > The EXHP can power up to four static eliminators.
- > Choice of monitoring options. A neon light can be fitted to the unit if required to show operational status on the case of the EXHP. Alternatively a remote monitoring option can link with your PLC, showing whether the static eliminators are working, and also if they require cleaning.
- > IP54 Construction.



### Specification

<b>Construction:</b>	Powder coated steel case. Transformer with fully encapsulated windings.
<b>Input:</b>	115 V or 230 V, 50/60 Hz. Please specify frequency (Hz) as well as input voltage. 3 m mains cable is supplied (longer can be specified).
<b>Output:</b>	6 kV with maximum peak voltage of 7.76 kV. Secondary current limited to 5 mA.
<b>Maximum Load:</b>	30 m of combined Bar and HT cable.
<b>Environment:</b>	50° maximum temperature. 70% rH non-condensing max. Location should be dry and oil free. Power Unit must be situated outside the EX Zone.
<b>Safety:</b>	The design is current limited to 5 mA. If more than 5 mA current is drawn the transformer is designed to shut down. Power will restart when the excessive load or fault is removed.
<b>Options:</b>	Remote monitoring to show status of high voltage and Bars/ Electrodes.

## EX1250:

The EX1250 is more powerful than competitive systems and so uses more current. The permissible current for the ATEX certification is 5mA. This means that the maximum load is 30 m of combined Bar and Cable.

For example:

2 Bars of 1 m length each with 14 m of cable.

3 Bars of 1 m length each with 9 m cable.

4 Bars of 0.75 m length each with 6.75 m cable.

Exceeding this load will negate the ATEX certification.



EX1250 Bar.

## Dimensions:

