

EXHP POWER UNIT

The EXHP is part of a comprehensive family of advanced power units from Fraser, which provides high voltage to produce ionisation in Fraser's range of AC static eliminators. There is a model for every customer requirement.

The EXHP is a power unit designed to serve Fraser ATEX certified EX-1250 bars which are used in hazardous areas. It can power up to four static eliminators with a combined bar and cable length of 30 m.

PERFORMANCE

- 6 kV of ionising power.
- The flat-wave high voltage output combines high performance with low electrical stress for long-term reliability.

ESSENTIAL QUALITIES

- Conforms to the highest market standards.
- Exceeds international safety requirements with fully encapsulated windings, current-limited design and automatic shut-down if there is a short on the static eliminator.
- Low running cost, typically 30 Watts.

CONNECTIVITY AND CONTROL

- Fraser's proprietary HP connector, allows for quick connection and disconnection.
- Local on/off switch. Can also be powered directly by machine electrics.
- 3 m of hardwired mains cable is included, unless otherwise specified by customer.

APPLICATIONS

- Powers EX-1250 Static Eliminators in coating, gravure printing, laminating and similar hazardous areas.
- The EXHP must be positioned outside of the hazardous area, which its large load capacity makes easy to do.



SPECIFICATION

Construction:

Powder coated steel case. Transformer with fully encapsulated windings.

Electrical Output:

6 kV with maximum peak voltage of 7.76 kV. Secondary current limited to 5 mA.

Maximum Load:

30 m of combined bar and HT cable.

Safety:

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.

Electrical Input:

115 V or 230 V, 50 or 60 Hz. Please specify frequency (Hz) as well as input voltage. 3 m mains cable is supplied (longer can be specified).

Environmental:

50 °C maximum temperature. 70% rH non-condensing max. Location should be dry and oil-free. Power unit must be situated outside the EX Zone. IP54.

Certification:

CE, CB and UL.

Options:

Remote monitoring of operational condition/alarm. An LED can be fitted to show that high voltage is functioning.

EX-1250 Static Eliminator

The EX-1250 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 1000 mm length each with 14 m of cable.
- 3 Bars of 1000 mm length each with 9 m cable.
- 4 Bars of 750 mm length each with 6.75 m cable.

Exceeding this load will negate the ATEX certification.



DIMENSIONS

