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.
- A 2 m IEC Lead is included.

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, 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, 50/60 Hz. Please specify input voltage. A 2m IEC lead is included
Environmental: 50 °C maximum temperature. 70 % rH non-condensing max. Location should be dry and oil-free. IP40.
Certification: CE, CB and UL.
Options: Remote monitoring to show status of high voltage and bars/electrodes.

FRASER Anti-Static Techniques

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EX-1250 STATIC ELIMINATOR

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.



DIMENSIONS







