

HP50-1 POWER UNIT

The HP50-1 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 HP50-1 is a compact power unit designed to serve one static eliminator.

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

- Compact size and low cost, but conforming 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 20 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 electricians.
- IEC socket for AC supply. Suitable 2 m cable set is included.

APPLICATIONS

- The HP50-1 was originally designed for use on small machinery, however it is suitable for powering a Fraser AC static eliminator on all types of machinery.



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:

10 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 frequency (Hz) as well as input voltage. IEC 320 Socket with 2 m cable is supplied.

Environmental:

50 °C maximum temperature. 70 % rH non-condensing max. Location should be dry and oil-free. IP54.

Certification:

CE.

DIMENSIONS

