

Power Supply for Electrostatic Septum HCN 12900M - 300000

Type:



Special Features

- 0 - 300 kV output voltage;
- Special customer specific interface;
- Two 12,5 kV supplies for clearing electrodes built in;
- Two separate interlock circuits for error and short circuit;
- Output via 80m HV-cable with special decoupling resistor.
- Oil level monitoring.

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**Low and High Voltage
Power Supplies**

DIN EN ISO 9001

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Displays

4½ digit displays for voltage and current with display of set point values

Control

10 turn potentiometers for voltage and current

External Control

Customer specific interface for main unit and two 12,5 kV auxiliary power supplies.

Technical data

Main unit:

Mains supply: 400 V $\pm 10\%$, 47 - 63 Hz, three phase

Output: 0 - 300000 V; 0 - 60 mA,
fold back to 35 mA at full voltage.

Polarity: negative

Supply of clearing electrode (2 equal outputs):

Mains supply: 230 V $\pm 10\%$, 47 - 63 Hz

Output: 0 - 12500 V; 0 - 13 mA,

Polarity: negative

Rise time: 66 ms

Fall time: 127 ms

Cycle frequency: 2,58 Hz

Design

Case: Oil filled high voltage tank with power part on the top
2400mm x 2300mm x 1470mm (WxDxH)

Weight: approx. 4800 kg

Application

The unit is used to operate a dielectric septum of a particle accelerator.