



## CETI8 - ETS

### Electrostatic Trap Precipitator

#### DESCRIPTION

The Electrostatic Precipitator Trap upgrade kit for the CETI8 is an 8 channel kit that can be retrofitted to any CETI8 machine to enable the user to collect particulate matter and condensate from cigarette smoke or e-cigarette vapour without the use of Cambridge filter pads.

This is particularly useful where trace levels of compounds such as heavy metals are concerned whereby the use of Cambridge filter pads can introduce significant experimental errors. Electrostatic trapping is preferred at low levels and is recognized in methods such as Health Canada's method T109.

The CETI8 kit includes two high-voltage power supplies, a support frame fitted with power splitters, eight electrostatic traps and the required transport tubing.

The collection tube is manufactured from glass which can be removed easily for cleaning and collection of the precipitated material. The high voltage power supplies have a variable output voltage (0 to 20 kV) giving users ample flexibility in their experimental design.

It is recommended that installation is performed by a competent Cerulean engineer.

#### FEATURES

- Avoid experimental errors introduced by Cambridge filter pads
- Ideal for measuring trace of heavy metals in e-cigarettes
- Variable electrode voltage (0 to 20kV)
- Alternative to CFH and Impinger methods
- Easy clean system
- Gold-plated electrode
- Borosilicate glass tube

## TECHNICAL SPECIFICATIONS - CETI8

Electrical: (Voltage / Frequency)	90 - 240 V @ 50/60 Hz
Pneumatics:	3 Bar for button activation
Operating Conditions: (Temp / Humidity)	15 to 35°C @ 40 - 90% RH non-condensing
Dimensions (W x H x D) / Weight:	900 mm x 490 mm x 620 mm / 45 kg

## TECHNICAL SPECIFICATIONS - High-voltage Power Supply

Electrical: (Voltage / Frequency)	90 - 240 V @ 50/60 Hz
Operating Conditions: (Temp / Humidity)	15 to 30°C @ 40 - 70% RH non-condensing
Dimensions (W x H x D) / Weight:	200 mm x 100 mm x 300 mm / 3.6 kg (power supply - each)

2 x High voltage power supplies



8 x Electrostatic traps



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