

Soft X-ray Charger 4530

The HCT Soft X-ray Bipolar Charger 4530 can neutralize nanometer aerosol using soft X-ray photoionization and substitution for radioactive sources such as ^{241}Am , ^{85}Kr and ^{210}Po . Photoionization using soft X-ray can be used more safely and controlled more easily.

Features and Benefits

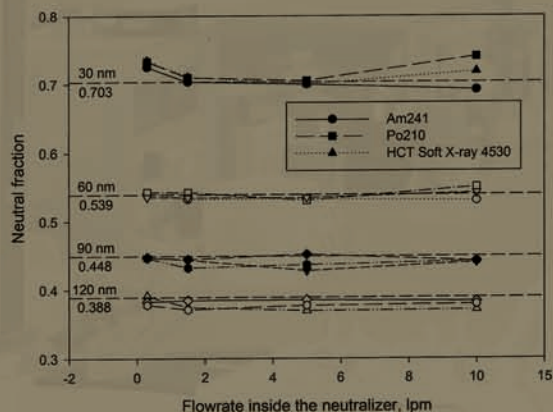
- Neutralize charge on aerosol particles
- Increase measurement efficiency

Applications

- Aerosol generation
- Aerosol research
- Calibration of Aerosol Instrument



Neutral fraction vs. Flowrate Comparison with Wiedensohler's(1988)



Specifications

- Ion generation Method : Soft X-ray
- Dimensions
 - Head Unit : 120 X 120 X 40 mm
 - Controller : 200 X 160 X 40 mm
- Power consumptions : 20 W [MAX]
- Anode Voltage : 9.5 kVDC
- Anode Current : 150 μA
- Cooling method : Natural cooling
- Weight
 - Head Unit : 1.00 kg
 - Controller : 0.78 kg
- Input voltage : 100~230 VAC, 50~65 Hz
- Warranty : 5,000 hr or 1 year