

SOFT X-RAY AEROSOL NEUTRALIZER SXAN 4920

NONRADIOACTIVE SOURCE
AEROSOL NEUTRALIZER



SOFT X-RAY AEROSOL NEUTRALIZER - SXAN 4920

The Soft X-ray Aerosol Neutralizer – SXAN 4920 is a bipolar diffusion charger with balanced levels of positive and negative ions to neutralize electrostatic charges on aerosol particles. It makes the particles have a Boltzmann equilibrium charge distribution. It uses a soft X-ray ionizer instead of ^{85}Kr , ^{210}Po and ^{241}Am radioactive isotope. The control device helps easily turn on and off soft X-ray emission.

FEATURES

- + Nonradioactive alternative to ^{85}Kr , ^{210}Po and ^{241}Am aerosol neutralizers
- + No restrictions for buying, using, and handling
- + Easily turned on and off soft X-ray using dedicated control device
- + Bipolar diffusion charger balanced levels of positive and negative ions
- + No particle generatio

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SPECIFICATIONS

■ Neutralize Method

Bipolar diffusion charging using soft X-ray.

■ Ion Generation Source

Source	Soft X-ray Tube
Voltage	4.9 kV
Current	400 μ A
Lifetime	>4,500 hours

■ Maximum Flow Rate

10.0 L/min

■ Equipment Operating Conditions

Temperature Range	0 to 50°C (32°F to 122°F)
Humidity Range	35% to 85% RH non-condensing

■ Power

Input	100 to 240 VAC, 50/60 Hz
Power Consumption	Max. 50 W

■ Inlet and Outlet Tubes

1/2 in O. D.

■ Dimensions (H × W × D)

Soft X-Ray Aerosol Neutralizer	354 mm × 149 mm × 52 mm (13.9 in. × 5.87 in. × 20.2 in.)
Controller Device	44 mm × 163 mm × 113 mm (1.7 in. × 6.4 in. × 4.4 in.)

■ Weights

Soft X-Ray Aerosol Neutralizer	1.60 kg (3.53 lb)
Control Device:	0.46kg (1.01 lb)

The soft X-ray source in the Soft X-Ray Aerosol Neutralizer – SXAN 4920 has a lifetime of approximately 4,500 operating hours. Since the device can be turned off when not in use, the neutralizer has an operating lifetime of many years for most applications. An elapsed operating lifetime is indicated in the control device. When the operating lifetime is reached, return the neutralizer to PINE for repair and calibration. The appearance and specification of the product may be changed without prior notice for the improvement of the product.