CD 2000 Type A

The CD 2000 type A bipolar discharge unit uses a mixed airflow of 2 – 18 m^3/h with a tube diameter on the aerosol inlet of Øi= 6 mm and Øa= 8 mm.

Operation principle

Benefits

- No operation license is required for radioactive instruments
- Bipolar discharge through negative and positive ions
- Applicable for solid and liquid aerosols
- Robust design
- Simple operation
- Reliable function
- Low maintenance
- Reduces your operating expenses

DATASHEET

Reported data	Voltage: 0 – 6,000 V $\triangleq$ 0 – 10 VPwer: 0 – 1,000 μA $\triangleq$ 0 – 10 V
Volume flow (mixed air)	Type A: for 2 – 18 m^3/h, type B: for 3 – 36 m^3/h
Volume flow (suction flow)	0 – 4 m^3/h
Power supply	115 – 230 V, 50/60 Hz
Power consumption	50 W
Aerosol outlet connection	Aerosol and fed mixed air, $Ø_{inside}$ = 12 mm, $Ø_{outside}$ = 16 mm
Mixed air connection	Cleaned pressurized air, type A: $Ø_{inside}$ = 6 mm, $Ø_{outside}$ = 8 mm, type B: $Ø_{inside}$ = 13 mm
Operation principle	Ionization with corona
Mains fuse	F 3,15 A, 250 V
Aerosol inlet connection	$Ø_{inside}$ = 6 mm,Øoutside= 8 mm
Special features	Positive and negative high voltages are provided by two independent power supplies, maximum voltage: ± 6,000 V, maximum power: ± 1,000 μA

APPLICATIONS

- Discharge of electrically charged aerosols
- Aerosol research
- Filter testing

Mehr Informationen:
https://www.palas.de/en/product/cd2000a