

CD 2000 TYPE A



The CD 2000 type A bipolar discharge unit uses a mixed airflow of 2 – 18 m³/h with a tube diameter on the aerosol inlet of $\varnothing_i = 6$ mm and $\varnothing_a = 8$ 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: $0 - 6,000 \text{ V} \hat{=} 0 - 10 \text{ V}$ Power: $0 - 1,000 \mu\text{A} \hat{=} 0 - 10 \text{ W}$
Volume flow (mixed air)	Type A: for $2 - 18 \text{ m}^3/\text{h}$, type B: for $3 - 36 \text{ m}^3/\text{h}$
Volume flow (suction flow)	$0 - 4 \text{ m}^3/\text{h}$
Power supply	115 – 230 V, 50/60 Hz
Power consumption	50 W
Aerosol outlet connection	Aerosol and fed mixed air, $\varnothing_{\text{inside}} = 12 \text{ mm}$, $\varnothing_{\text{outside}} = 16 \text{ mm}$
Mixed air connection	Cleaned pressurized air, type A: $\varnothing_{\text{inside}} = 6 \text{ mm}$, $\varnothing_{\text{outside}} = 8 \text{ mm}$, type B: $\varnothing_{\text{inside}} = 13 \text{ mm}$
Operation principle	Ionization with corona
Mains fuse	F 3,15 A, 250 V
Aerosol inlet connection	$\varnothing_{\text{inside}} = 6 \text{ mm}$, $\varnothing_{\text{outside}} = 8 \text{ mm}$
Special features	Positive and negative high voltages are provided by two independent power supplies, maximum voltage: $\pm 6,000 \text{ V}$, maximum power: $\pm 1,000 \mu\text{A}$

APPLICATIONS

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



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