

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 Ø_i= 6 mm and Ø_a= 8 mm.

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

APPLICATIONS

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

DATASHEET

Reported data	Voltage: 0 – 6,000 V $\hat{=}$ 0 – 10 V Power: 0 – 1,000 μ A $\hat{=}$ 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, $\varnothing_{\text{inside}} = 12$ mm, $\varnothing_{\text{outside}} = 16$ mm
Mixed air connection	Cleaned pressurized air, type A: $\varnothing_{\text{inside}} = 6$ mm, $\varnothing_{\text{outside}} = 8$ mm, type B: $\varnothing_{\text{inside}} = 13$ mm
Operation principle	Ionization with corona
Mains fuse	F 3,15 A, 250 V
Aerosol inlet connection	$\varnothing_{\text{inside}} = 6$ mm, $\varnothing_{\text{outside}} = 8$ mm
Special features	Positive and negative high voltages are provided by two independent power supplies, maximum voltage: $\pm 6,000$ V, maximum power: $\pm 1,000$ μ A