

# CD 2000 TYPE B



The CD 2000 type B bipolar discharge unit uses a mixed airflow of 3 – 36 m<sup>3</sup>/h with a tube diameter on the aerosol inlet of Øi= 13 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 $\mu$ A $\hat{=}$ 0 – 10 V                                                                         |
| Volume flow (mixed air)    | Type A: for 2 – 18 m <sup>3</sup> /h, type B: for 3 – 36 m <sup>3</sup> /h                                                                                  |
| Volume flow (suction flow) | 0 – 4 m <sup>3</sup> /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: $\pm 1,000$ $\mu$ A      |