

DC1 ESD BENCHTOP DRY STORAGE CABINET 1 DOOR (238L)



SKU: DC-1-ESD



ANTI-STATIC DRY STORAGE CABINET - DC-1

Viking DC-1 - ESD safe dry storage cabinet with one-door and locking system.

Specifications

- Available colours: **White** (RAL 9010), **Light grey** (RAL 7035), **Black** (RAL 9005)
- Dimensions (WxDxH): **600 × 640 x 737 mm** - Capacity: **238 L**
- Humidity range: **1-50%**
- Precision: $\pm 1\%$
- **Included shelves (DC series):** 1 x Shortened shelf (lower modules have less space, due to the housing of the dehumidifying unit) - Material: Steel, thickness 1.5 mm
- Max. dimensions of the units to be stored: **500 × 510 × 570 mm**
- Supply voltage: 220 ± 22 V
- Max. power consumption: Up to **210 W/h** in the regeneration phase, **20 W/h** in the storage phase
- IP protection class: IP 55.

Desiccation / Recovery time



- Dessiccation: **45 min** (RH from 50% to 1%), **12 min** (RH from 50% to 5%)
- *Recovery time up to **RH 10%** after 10 seconds of door opening: **3 min**
- *Recovery time up to **RH 5%** after 10 seconds of door opening: **7 min**
- *Recovery time up to **RH 3%** after 10 seconds of door opening: **13 min**
- *Recovery time up to **RH 1%** after 10 seconds of door opening: **16 min**
- *Recovery time up to **RH 1%** after 10 seconds of door opening: **19 min**
- Number of door openings per hour (RH 3%): 4.

*Time required for reducing RH level back to its set point, after the cabinet door has been opened and closed – Recovery tested at RH 50% @ 25°C and empty cabinet.

Premium quality

DC Series cabinets description

Viking DC series ESD cabinets are **designed to provide ultra-low ranges of relative humidity**, which are necessary for storing moisture-sensitive components and materials, including precision metal parts, printed circuit boards, plates, nano fibers, cassettes, laboratory samples, electronic modules.

All DC cabinets are produced **only in anti-static version**, in strict compliance with IEC 61340-5-1 ESD safety regulations.

Production is made with a specific ESD conductive glass (conductivity 10^3 – 10^5 Ohm). All shelves and horizontal surfaces are grounded and all metal elements are ESD-coated.

Monitoring is performed by a sensor based on **CMOS** technology, each sensor is being factory calibrated prior to installation.

Humidity and temperature monitoring is performed by the built-in precision sensor with **digital interface**, processor and LCD display.

Thanks to the integrated RS-232 port, is possible to connect a computer to the cabinet for **data collection**.

All cabinets are equipped with an integrated **door alarm system** and are characterized by **low noise level** and ease of use.

Absorption of moisture: automatically regenerated absorbent (**Zeolite**).

Certifications: IPC / JEDEC J-STD 033C, IPC / JEDEC J-STD-020C, EIA / IPC / JEDEC J-STD-075.

Available accessories (only on request, NOT included): Swivel supports, Light tower, Internal LED lighting, Additional shelves, Sliding double shelves, Shelves separation elements, SMD reels adjustable rack, Nitrogen units, USB port.