

Model: CQB-600

1. Function:

This N2 cabinet is designed to protect moisture-sensitive electronic components and valuable collections from moisture damage and oxidation with N2. Humidity range is adjustable from 1~50%RH.

1.1 Display modes: Microcomputer decimal LED display imported from America and Honeywell sensors, whose display precision of temperature is $\pm 1^{\circ}\text{C}$; precision of humidity is $\pm 3\% \text{RH}$.

1.2 Cabinet structure: 1mm double powder coating steel, handles, airtight magnetic sealers and reinforced glass are adopted. The wheels are 360 degree rotating casters with breaks.

2. Specifications:

2.1 Humidity Range: 1~50%RH (adjustable)

2.2 Outside Dimension: W600*D695*H1820mm

2.3 Internal Dimension: W598*D645*H1618

2.4 Capacity: 624L

2.5 Shelves: 5 shelves

2.6 Color: black

2.7 Display Precision: $\pm 3\% \text{RH}$; $\pm 1^{\circ}\text{C}$

2.8 Structure: 1mm thick carbon steel with paint.

2.9 Door: Handles, airtight magnetic sealers and reinforced glass.

2.10 Wheel: Four 3" wheels, two of them with brakes.



pic 1

3. QDN specifications:

QDN digital nitrogen controllers are used to control the filling of dry air into the cabinet. So the desired relative humidity in the nitrogen cabinet/nitrogen box can be reached with most efficient dry air utilization. For example, if 5%RH is the required condition, then dry air will stop filling when 5%RH is reached. The dry air can be nitrogen, CO2 or inert gas. However, nitrogen is the most commonly used gaseous matters to be used for drying the air. Traditional nitrogen cabinet / nitrogen box make the N2 filling into the cabinet continuously, unable to stop. However, with our newly NC-2 controller adapted, more than 50% of N2 can be saved immediately.



Control Panel of Nitrogen
Dry Box Control Panel

4. QDN features:

- computerized and digitized Humidity control, setting between 1 and 99 %RH
- Modular design (No exposed wiring)
- Anti-explosive device design
- Hidden flow meter adjustment for safety and better looking
- Soft pressure buffering design to avoid impact on the stored items
- Wide-angle air purging design to save energy consumption.



QDN



Nitrogen flow meter

pic 3

pic 4