

Model: | CQB-157

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 $\pm 3\%RH$.

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.



pic 1

2. Specifications:

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

2.2 Outside Dimension: W450*D475*H960mm

2.3 Internal Dimension: W448*D425*H869mm

2.4 Capacity: 165L

2.5 Shelves: 3 shelves

2.6 Color: black

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

2.8 Structure: 1mm thick carbon steel with paint.

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

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

pic 2

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

pic 3



Nitrogen flow meter

pic 4