

Model : CQS-1200-6

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:

- 3.1 Humidity Range:** 1~50%RH (adjustable)
- 3.2 Internal Dimension:** W1198 * D644 * H1618mm
- 3.3 External Dimension:** W1200 * D672 * H1820mm
- 3.4 Capacity:** 1250L
- 3.5 Shelves:** 5 shelves
- 3.6 Material:** SUS304
- 3.7 Display Precision:** $\pm 3\% \text{RH}$; $\pm 1^{\circ}\text{C}$
- 3.8 Structure:** 1mm thick carbon steel with paint.
- 3.9 Door:** Handles, airtight magnetic sealers and reinforced glass.



pic 1



< Control Panel >

pic 2

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 QDN adapted, more than 50% of N₂ can be saved immediately.



< QDN >

pic 3

4.QDN features:

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