N_2 Cabinet

Model: CQS–1200

1. Function:

This N2 cabinet is designed to protect moisture-sensitive electronic components and valueable 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 ±1°C; precision of humidity is ±3%RH.

1.2 Cabinet structure: SUS304, 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: W1200*D695*H1820mm
2.3 Internal Dimension:W1198*D645*H1618mm
2.4 Capacity: 1250L
2.5 Shelves: 5 shelves
2.6 Material: SUS304
2.7 Display Precision: ±3%RH: , ±1℃
2.8 Door: Handles, airtight magnetic sealers and reinforced glass.
2.9 Wheel: Four 3" wheels, two of them with brakes.



Control Panel

pic 2

3. QDN specifications:

QDN 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 .

4. QDN controller 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.



QDN

pic 3



Nitrogen flow meter

pic 4