N2 Cabinet

Model: ICQB-400

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: 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:** W600*D695*H1274mm
2.3 **Internal Dimension:** W598*D645*H1071mm
2.4 **Capacity:** 413L
2.5 **Shelves:** 3 shelves
2.6 **Color:** black
2.7 **Display Precision:** ±3%RH: , ±1°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.

Control Panel of Dry Nitrogen Cabinent

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, C02 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 .

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.

QDN

pic 3

Nitrogen flow meter

pic 4