

## KUNSHAN GAOQIANG INDUSTRIAL EQUIPMENT CO., LTD

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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. For example, if 5%RH is the required condition, then the dry air will stop to fill when <5%RH is reached. The dry air can be nitrogen, CO<sub>2</sub> or inert gas. However, nitrogen is the most commonly used gaseous matters to be used for drying the air. Traditional nitrogen cabinet/nitrogen box allows the N<sub>2</sub> to fill into the cabinet continuously, unable to stop. However, with our newly QDN adapted, 50% of N<sub>2</sub> can be saved immediately.

### **Nitrogen saving 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.