

HOLDRY Dry Air Handling Unit are specifically designed to prepare the clean and safe air with the possibility of controlling temperature and humidity. **Humidity: 5% < RH < 40% & Temperature: 18 < oC < 24**

Product description:

Holdry unit's body is made Polyurethane-PU 50mm and Thermal-break aluminum. The Holair unit include following main components: Frame network, Pre-Cooling Coil, Main-Cooling Coil, Rotor Dehumidifier, Electric heater or Steam coil, Supply Fan, Exhausted Fan, Filter, Mixing box, Control.

Key benefit:

- Investment and installation cost are lower than combined air conditioners and dehumidifier.
- Low dewpoint application
- Quick and simple installation
- More efficient, quieter and experience less vibration

Application:

- Pharmaceutical factory
- Electronics factory
- Laboratory
- Hard and Soft Capsule production area
- Effervescent tablet production area

Main specification and parmameters:

Pre-cooling module:

Airflow : 4,000 CMH
Cooling capacity : 100,000 BTU/h

Dehumidifier module:

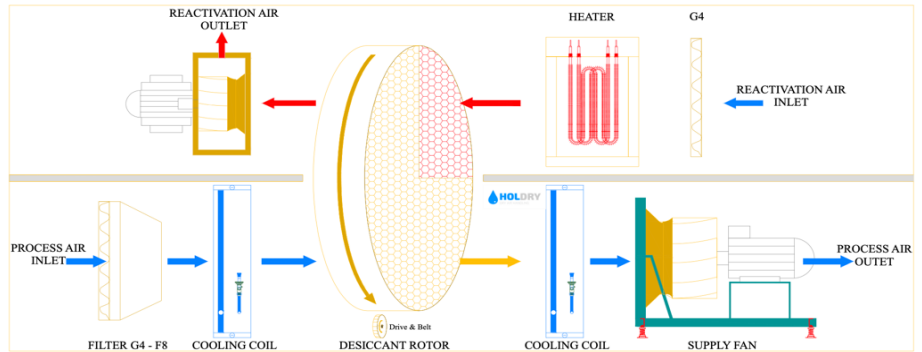
Process Airflow : 4,000 CMH
Reactivation Airflow : 1,000 CMH
Dehumidification Cap : 24.24 kg/h
Electric heater : 37.0 kW
Desiccant Roto : 770 x 200
Availabel ESP : 300 Pa
Exhausted fan motor : 1.5 kW /2Pole

Main-cooling module:

Airflow : 4,000 CMH
Cooling capacity : 100,000 BTU/h

General:

Airflow : 4,000 CMH
Process filter : G4 - F8
ESP : 800 Pa
Supply fan motor : 4 kW / 2Pole
Power source : 380V/3Ph/50Hz



Note: Depending on specific requirement, electric heater replaced by Steam coil

Profile:

Inner skin material	: S5304	
Inner skin thickness	: 0.5	mm
Outer skin material	: GI	
Outer skin thickness	: 0.46	mm
Insulation material	: PU - 40kg/m3	
Insulation thickness	: 50	mm
Noise	: 72.0	dBA
Dimension	: 1800x1200x3800	HxWxLmm
Weight	: 1000	kg

Control:

Airflow rate is controlled steplessly by inverter which saves energy consumption and provides accurate airflow amount. Cooling capacity is controlled by PLC under high demand in industrial application.

Super quality components:

- Holdry always calculate rotor capacity by professional software with correct outdoor condition where the unit is expected to install to ensure its rated capacity is what customer can really receive.
- Cooling coils are manufactured according to AHRI 410-2001 standards and specially treated to work efficiently in hot and humid environment.
- Drain pans are made of stainless steel 304S
- Fans are TEFC type, high efficiency with class F insulation inverter compatibility.