



## Mini Dehumidifying Dryer

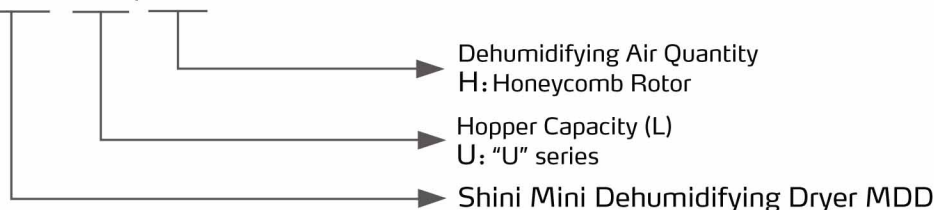
MDD-40U/20H



Refer carefully to this manual before operation.

## ■ Coding Principle

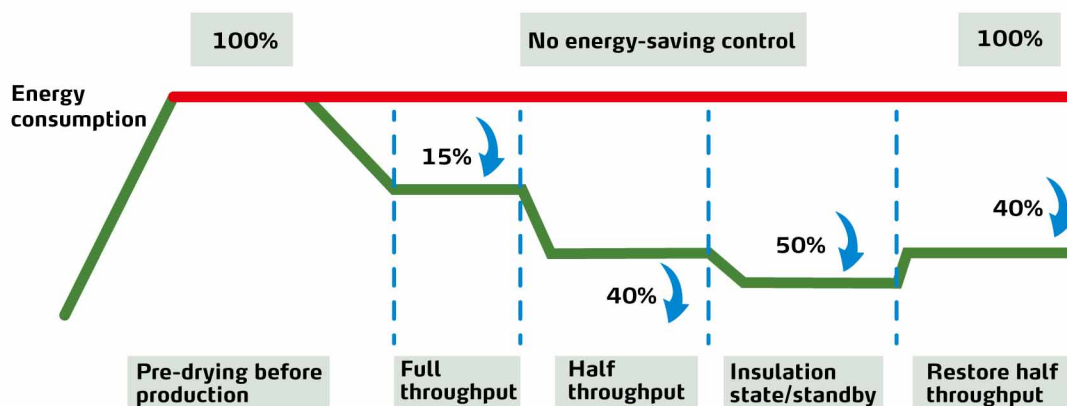
MDD-xxU/xxH



## ■ Features

- Adopt molecular sieve structure honeycomb rotor, which provides low dew-point dry air that can reach  $-40^{\circ}\text{C}$  under ideal conditions
- Dehumidifying and drying functions are integrated into a single unit
- The standard microprocessor controller with a temperature-control precision of  $+1^{\circ}\text{C}$
- It is equipped with a weekly timer to achieve auto operation
- Equipped with RS485 communication interface
- Adopt a 4.3" touch panel for an intuitive display and easy operation
- USB interface can record the data and back up local data in real-time
- New special gear transmission can eliminate the honeycomb errors to avoid slipping and tough installation caused by conventional belt drives.
- When using optional dew point meter, the dew point temp. control can control the regeneration temp. heating based on the set dew point, so as to save the energy.

**The built-in adaptive energy-saving drying function can adjust the drying airflow and temp. according to different materials and outputs, thus achieving the purpose of energy-saving and preventing material from excessive drying;**



## ■ Options

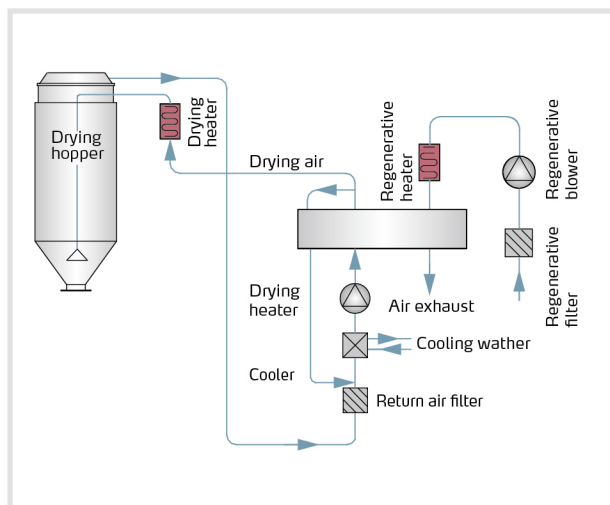
- Entry-level dew point monitor, and add "YD" at the end of the model code.
- VAISALA dew point monitor, and add "D" at the end of the model code.

## Application

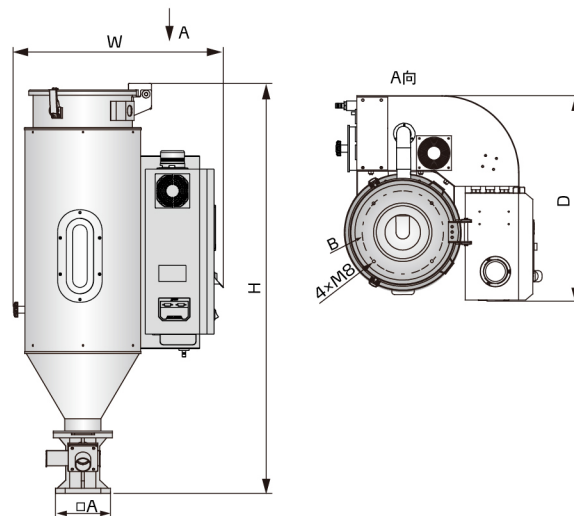
MDD dehumidifying dryers integrate dehumidifying and drying into a single unit. It specially processes engineering and hygroscopic plastic materials, such as PC and PBT. The dryer is directly mounted on the plastic manufacturing unit to provide real-time dehumidifying and drying.



## Working Principle



## Outline Drawings



## Specifications

| Model       | Regen. Heater (kW) | Regen. Blower (kW) | Drying Heater (kW) | Drying Blower (kW) | Dry Air Quantity (m <sup>3</sup> /hr) | Hopper (L) | Dimension(mm) H×W×D | A(mm) | B(mm)  |
|-------------|--------------------|--------------------|--------------------|--------------------|---------------------------------------|------------|---------------------|-------|--------|
| MDD-20U/20H | 1.2                | 0.22               | 0.85               | 0.22               | 20                                    | 20         | 835×565×574         | 154   | Φ231   |
| MDD-40U/20H | 1.2                | 0.22               | 0.85               | 0.22               | 20                                    | 40         | 1153×583×578        | 154   | Φ231   |
| MDD-80U/30H | 1.2                | 0.22               | 1.2                | 1.4                | 30                                    | 80         | 1439×653×672        | 154   | Φ254.5 |

Notes: 1)Power 3Φ, 230/400/460/575VAC, 50/60Hz.  
2)Max. drying temp. is 140℃.

We reserve the right to change specifications without prior notice.

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