

## MD series molecular distillation



### Description

Molecular distillation technology is a new separate method, which is widely used in hemp oil extraction and aromatherapy oils manufacture. According to this technology, we design wiped film evaporator system. It contains distillation system, heating system, cooling system, vacuum system and other devices.

### Technical data



# ZHENGZHOU MINGYI INSTRUMENT EQUIPMENT CO., LTD

NO. 13, DONGFENG ROAD, ZHENGZHOU CITY, CHINA

E-MAIL: tony.wang@mingyint.com TEL: +86 18603710670

Model	Effective evaporation area	Condensation area	Barrel Inside diameter	Constant	Processing flow	Motor power	Max Rotation speed
MD60(A)	0.05square meter	0.1 square meter	60 mm	1.5 L	0.1-2.0 KG/H	120 W	450 RPM
MD80(A)	0.1 square meter	0.15 square meter	80 mm	1.5 L	0.3-4.0 KG/H	120 W	450 RPM
MD100(A)	0.15 square meter	0.2 square meter	100 mm	1.5 L	0.5-5.0 KG/H	120 W	450 RPM
MD150(A)	0.25 square meter	0.4 square meter	150 mm	1.5 L	1.0-8.0 KG/H	120 W	450 RPM
MD200(A)	0.35 square meter	0.5 square meter	190 mm	1.5 L	1.5-10.0 KG/H	200 W	300 RPM
MD230(A)	0.5 square meter	0.65 square meter	220 mm	1.5 L	2.0-15.0 KG/H	200 W	300 RPM

## Features

1. The built-in condenser and the main evaporator are designed as a whole, which can reduce the difficulty of installation, reduce the connection interface, increase the vacuum sealing, and reduce the possibility of leakage due to the interface sealing.
2. The connection joint seal adopts the exclusive design of the linear seal of the packed tetrafluoro O-ring and the horseshoe clamp. Easy installation and disassembly.
3. The vacuum degree of the complete set of equipment produced by our company is less than 0.001 mbar, and the vacuum degree can reach <math><0.1\text{Pa}</math> when the diffusion pump is selected.
4. Adopting the exclusive design of magnetic drive seal, the rotating shaft of the stirring rotor is separated from the motor, and the motor and the rotor are driven by magnetic coupling to ensure a high degree of sealing.
5. The scraper rotor is used to make the film thinner. In order to make the scraper stick to the inner wall of the evaporator, the total spring between each scraper and the skeleton is used as a buffer. It can be centrifuged with rollers, but centrifugal film is generally suitable for materials whose viscosity is less than 1000pcs.
6. The complete sets of our products are fixed mobile frames, with small footprint and easy to move.

## Product detail

**Control pannel**



**Distillation system**



**Heating system**



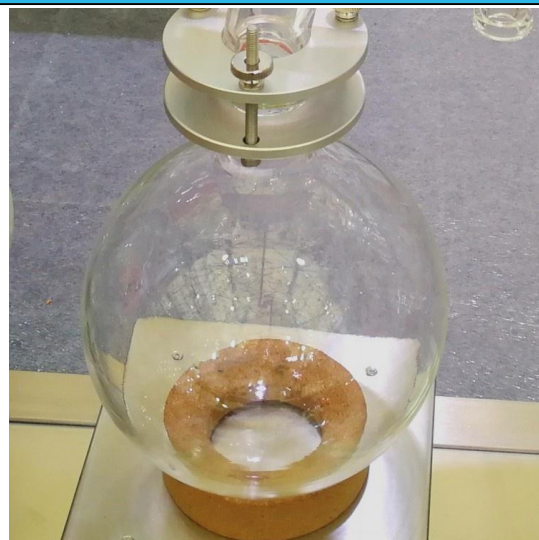
**Cooling system**



**Vacuum system**



**Glass parts**



## Application

### Coconut oil extraction



### Cannabidiol/CBD oil extraction



## Factory and package



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## EXHIBITION SHOW



## CUSTOMER VISITING

