



Crystallization Reactor

Laboratory and Processing Equipment

- Glass Type



/ Laboratory and Processing Equipment

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CRYSTALLIZATION REACTOR

The crystallization reactor is a commonly used glass reactor for biochemical refinement that combines the functions of the reactor and the filter. It is mainly used in modern fine chemicals, biopharmaceuticals, scientific research experiments, especially in the hemp industry. The Lab1st crystallization reactor can crystallize concentrate, distill, reflux, separation and purification. This makes it the ideal instrument for CBD oil processing.

Lab1st specializes in botanical refinement equipment. We are an industry leader in the sales and manufacturing of hemp processing and laboratory equipment. Our mission is to offer innovative and high quality equipment along with the best customer support in the hemp industry.

Application

· Crystallization

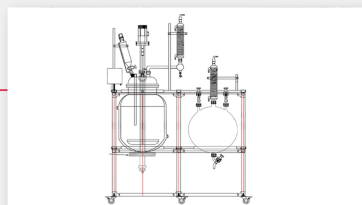
· Isolation



FEATURES

Integrated Design

- Integrated design with crystallization, filtration and mother liquid collection functions for easy operation.



Corrosion Resistance

- Glass / PTFE wetted components for outstanding corrosion resistance.



Optional Filter Plate

- The material of filter plate is glass sand core, which is more corrosion resistant; no filter paper required.



More Details

- Wide range of temperature operations, from -80°C to 200°C .
- Jacket interface can be matched with different heater and chiller.
- Stainless steel supporting framework with lockable casters for mobility and stability.
- High quality thermo insulation jacket available (Optional) .
- Explosion-proof or pneumatic options are available.



AUXILIARY EQUIPMENTS

Vacuum Pump

PTFE Diaphragm Vacuum Pump

Light-weight and low noise. The PTFE diaphragm design makes them suitable for even the most corrosive solvents. Available in different capabilities (Up to 120L/min air-taking speed and 50 mbar end vacuum).



Heating & Cooling Circulator

HRV-Series

These are integrated heating & cooling circulators for customers requiring a high dynamic temperature range. They come with a hermetic design and are available in different models. The temperature range is from - 40C to 200C.



Cooling Circulator

DL-Series

The most cost-effective cooling circulator, which comes with an open reservoir, making them suitable to be also used as a cooling bath. They come with a variety of models with reservoirs from 5L to 100L and with lowest temperature from -20C to - 120C.



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