



LABOAO

Professional Laboratory Solution Provider

ZHENGZHOU LABOAO INSTRUMENT EQUIPMENT CO.,LTD

100l Crystallization Filter Jacketed Glass Reactor

Model: LCR-100L



The 100l crystallization filter jacketed glass reactor is vacuum filtered, and can also be used for concentration, distillation, extraction, crystallization and other reactions. It is commonly used in biopharmaceuticals, peptide synthesis, scientific research experiments, and is an ideal instrument for small-scale and pilot-scale production.

DESCRIPTION

The crystallization filter reactor is a commonly used biochemical instrument, which combines the functions of the reactor and the filter. It is suitable for the chemical reaction and physical process under the synthesis, catalysis or other solid liquid of the laboratory / factory, so that one or more steps can be carried out in the same kettle (such as filtration after the completion of the reaction), thus reducing the drift of material measurement and reducing the transfer times of the reaction substrate. It is used in such fields as pharmaceuticals, peptide synthesis, tobacco research and so on.

All contact parts are inert and hence allow the same equipment to be used with a wide range of chemicals and solvents. Appropriate filter is used to separate the solid particles of the slurry forming a filtered board. The filtrate drains to the bottom and can be collected from the bottom outlet valve. The filter cake can be easily removed from the bottom to wash PTFE filter.

It's widely used in pharmaceutical and chemical industries, especially in drug synthesis, fine chemical industry, petrochemical process, new material synthesis, concentration, crystallization and other experiments.

FEATURES

1. The controller box is imported and easy to operate, digital display speed and temperature
2. Option filter plate, pore size from 0.1 to 200 μ m
3. All glass is GG17 borosilicate glass
4. Filter board can easy removeable
5. PTFE paddle or glass paddle for clients' option
6. PTFE bottom value with no dead angle design
7. PTFE discharge valve, discharge completely and quickly, no leak/pollution to the solvent.
8. PTFE and special rubber compound seal, can withstand different solvents and maintain high vacuum degree.
9. Stainless steel bracket system, easy to disassemble
10. Customized service according to customers' needs

SPECIFICATIONS

Model	LCR-100L
Material capacity	100L
Jacket capacity	20L
Number of lid openings	6(stir port, temperature measure port, liquid port, solid port, vacuum port, spare port)
PTFE mixing paddle	Double layer push type
Motor speed	0-400rpm
Speed mode	Frequency
temperature display	Digital Display
Discharge valve	PTFE core three-way valve can pass hydrogen
Filter chassis	Removable PTFE body
Filter plate	Imported material PTFE core
Filter diameter	277mm
Sand core aperture	40-60μm optional
Liquid feed valve	PTFE three-way valve
Sealing method	Self-lubricating mechanical seal
Use environment temperature	5℃~40℃
Size(L*W*H)	700*700*2100mm
Voltage	220V/50Hz (can be customized)
Optional	1. Spray device(2 can be used to clean the sign body without dead angle at 360° through negative pressure) 2. Explosion-proof motors 3. Explosion-proof inverter

Learn more about this product:

<https://www.laboao.com/products/crystallization-reactor/100l-crystallization-filter-jacketed-glass-reactor>

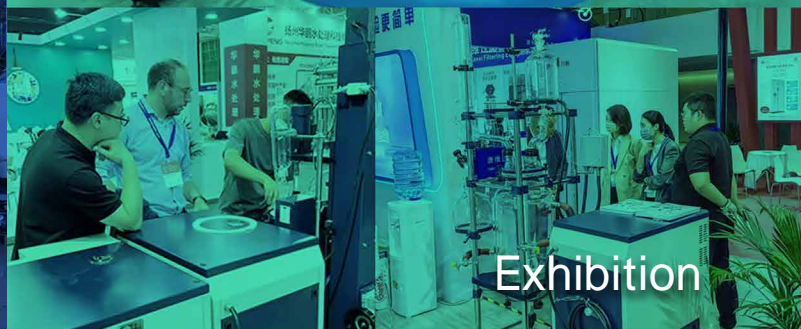
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