

FDB450 Kjeldahl Digestion System

FDB450 Graphite Digester adopts globally advanced high-temperature infrared radiation heating technology and microprocessor control platform, accurate temperature control and quick temperature rise. It has two kinds of temperature rise mode: linear and curve temperature rise mode, and offers 20 digestion programs for control of temperature rise curves.

Neutralization system is including ternary filtration functions, condensation, neutralization and filtration. The product adopts high-quality anticorrosive Pumps, low noise, strong suction, reduce exhaust emissions, eco-friendly.

Characteristic

- 20 positions enhance working efficiency rapidly.
- Graphite block have longer life after special anti-oxidation processing and heating more uniform.
- Corrosion-resistant design.
- It adopts advanced PID temperature control technology, high accuracy heating up to 400°C only 25 minutes.
- Multi-protection, Over-current protection, high temperature warning, overload protection.
- It adopts 5.7" color screen, easy for use.
- Standard configuration with waste gas collection hood WD03.
- Temperature control model, program control, curve and linear temperature rise.

FSC3 Exhausting System

- Mould design, compact appearance.
- Absorption device area is translucence design, easy for inspection and changing.
- Suction pressure is adjustable when become negative, to avoid acid gas spilling or emptying.
- Anticorrosion vacuum pump, low noise, large suction, reduce wasted gas exhausting and environmental friendly.
- Ternary filtration system (water condensation, alkali neutralization and active carbon filtration) ensure perfect neutralization and absorption performance. PTFE anticorrosion pipe design, improve using life.



FSC3

Kjeldahl Digestion System

FDB400 Graphite Digester includes globally advanced technology, features quick digestion, high efficiency and easy for use, etc., It's widely used in such fields as food, medicine, agriculture, forestry, environmental protection, chemical engineering, biochemistry, as well as universities, research departments and so on, for sample digestion prior to the chemical analysis of soil, feed, plants, seeds, minerals etc., suitable for matching K9840 analyzer.

Characteristic

- 20 positions, enhance working efficiency rapidly.
- Corrosion-resistant design.
- It adopt advanced insulation technology, eco-friendly, reduce energy intensity maximum limitedly.
- Multi-protection, Over-current protection, high temperature warning, overload protection.
- LCD display.
- It's used with microwave reaction system, pretreat for microwave digestion or removing acid after digestion.



FDB400

Graphite block have longer life after special anti-oxidation processing.

It adopt advanced PID temperature control technology, high accuracy heating up to 400°C only cost 20 minutes.



FSD4 Gas Collection Hood

Using PFA sealed cap, longer life, dealing effect well. Clip-on sealing cap, easy for changing.

Specialized water jet vacuum pump is adopted, don't need electric power.

Drip tray design, reduce corrosion damage from acid solutions.

Note: "●" with the same technical index; "—" without

Technical data

	FDB450	FDB400
Temperature range	Room temperature +5 - 450 °C	●
Temperature accuracy	±1 °C	●
Heating method	Infrared heating and high-purity graphite conduction	●
Heating insulation method	unique air duct insulation technology	●
Digestion tube capacity	300mL	●
Capacity per batch	20pcs/batch	●
Power supply	220 VAC±10% 50HZ	●
Power	3600W	●
Dimensions	515mmX458mmX730mm	515mmX421mmX211mm
Net weight	40Kg	25Kg