BioLAB

PRODUCT CATALOG

GRAPHITE DIGESTER

CE ISO9001 CERTIFIED

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GRAPHITE DIGESTER BGF1E1 BGF1E2

KJELDAHL DIGESTOR

Graphite Digester BGF1E1

Kjeldahl Digestor adopts advanced high-temperature infrared radiation heating technology and microprocessor control platform, boasts accurate temperature control and quick temperature
rise. It has two kinds of temperature rise modes: linear and curve temperature rise mode, and offers 20 digestion programs for control of temperature rise curves. The neutralization system has many functions such as triple filtration, condensate recovery of exhaust gas, filtration and neutralization devices. The product adopts high-quality anticorrosive pumps, low noise, strong suction, reduce exhaust emissions, eco-friendly.

Graphite Digester BGF1E1
20 positions enhance working efficiency rapidly.
Graphite blocks have longer life after special anti-oxidation processing and heating more uniformly.
Corrosion-resistant design.
It adopts advanced PID temperature control technology,high accuracy heating up to 400°C in only 25 minutes.
Multi-protection, Over-current protection, high temperature warning, overload protection.
It adopts a 5.7" color screen, easy for use.
Standard configuration with waste gas collection hood.
Temperature control model,program control, curve and linear temperature rise.

SPECIFICATIONS

Model	BGF1E1	BGF1E2
Old Model	BKJS-101	BKJS-102
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	300 mL	
Capacity per batch	20 pcs/batch	
Power supply	220 VAC ±10% 50/60 Hz	
Power	3600 W	
Dimensions	515 mm x 458 mm x 730 mm	515 mm x 421 mm x 211 mm
Net weight	40 kg	25 kg
Alt Name	Kjeldahl Digestor	

BGF1E1

BGF1E2

ITEMS INCLUDED

No	Image	Name	Description
1		Gas Collection Hood	Using PFA sealed cap, longer life, dealing with it 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.

ACCESSORIES FOR PURCHASE

No	Image	Name	Description
1		Exhausting System	Module 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 environmentally friendly. Ternary filtration system (water condensation, alkali neutralization and active carbon filtration) ensure perfect neutralization and absorption performance. PTFE anticorrosion pipe design improves using life.

FEATURES BGF1E1

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FEATURES BGF1E2

20 positions enhance working efficiency rapidly.
Corrosion-resistant design.
It adopts advanced insulation technology, is eco-friendly, and reduces energy intensity maximum.
Multi-protection, Over-current protection, high temperature warning, overload protection.
LCD display.
It's used with a microwave reaction system, pre-treated for microwave digestion or removing acid after digestion.
Linear and curve temperature rise mode, up to 5 stages temperature setting.
Curve temperature rise and linear temperature rise are two temperature control modes.
It has two temperature control modes: curve heating and linear temperature heating. It can edit and store 10 groups of digestion programs. Each group can set up a segment temperature and time gradient of up to 5 to meet different experimental needs of users.

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