



KJELDAHL DIGESTOR TT-SH220F

The Kjeldahl Digester TT-SH220F offers quick, efficient, and convenient digestion. It's well-suited for various industries like food, pharmaceuticals, agriculture, and for academic institutions and scientific research departments. Its function includes digesting soil, feed, and other samples before chemical analysis.

APPLICATIONS

- **Food & Beverage Industry:** Prepares dairy, meat, cereal, and beverage samples for nitrogen and protein analysis, supporting nutritional labeling, product development, and quality control.
- **Agriculture & Animal Feed:** Digests soil, feed, and fertilizer samples to ensure accurate Kjeldahl nitrogen results for crop research, soil fertility, and livestock nutrition.
- **Pharmaceuticals & Biotechnology:** Enables reliable sample digestion in drug development, raw material testing, and formulation analysis where nitrogen measurement is required.
- **Environmental Monitoring:** Analyzes nitrogen levels in wastewater, sludge, and soil samples to support pollution control, sustainability goals, and compliance testing.
- **Tobacco Industry:** Facilitates the digestion of tobacco samples to determine nitrogen and protein content for consistent production quality.
- **Academic & Research Laboratories:** Provides a dependable platform for teaching, laboratory training, and research in analytical chemistry and agricultural sciences.
- **General Quality Control Labs:** Delivers efficient digestion across industries requiring nitrogen or protein determination prior to chemical analysis and certification.

FEATURES

The Kjeldahl Digester TT-SH220F offers two temperature control modes: curve heating and linear temperature heating. It enables the editing and storage of 10 groups of digestion programs. Each group can be configured with up to 5 temperature

and time gradients, catering to various experimental requirements of users.

SH220F

The graphite block has an extended lifespan due to specialized anti-oxidation processing.

It utilizes advanced PID temperature control technology, enabling high-precision heating up to 400°C in just 20 minutes.

WD03 Gas Collection Hood

- Utilizing a PFA sealed cap extends its lifespan and provides effective sealing.
- The clip-on sealing cap allows for easy replacement.
- It features a specialized water jet vacuum pump that operates without requiring electric power.
- The drip tray design minimizes corrosion damage caused by acid solutions.

Characteristics:

- Supports 20 positions, significantly boosting work efficiency.
- Incorporates a corrosion-resistant design for durability.
- Adopts advanced insulation technology, promoting eco-friendliness and minimizing energy consumption.
- Equipped with multiple protections such as Over-current protection, high-temperature warning, and overload protection.
- Features an LCD display for intuitive operation.
- Compatible with a microwave reaction system, facilitating pretreatment for microwave digestion or acid removal post-digestion.

- Offers both linear and curve temperature rise modes, allowing for up to 5 stages of temperature settings.
- Provides dual temperature control modes: curve temperature rise and linear temperature rise.

S402 Scrubber

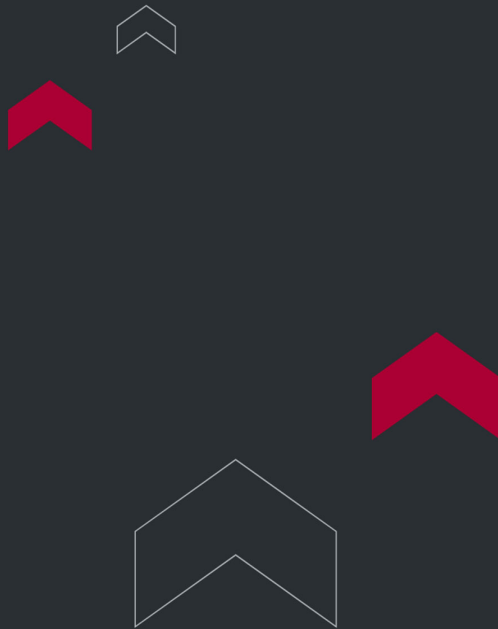
- Kjeldahl Digestor TT-SH220F Designed with a compact appearance, optimizing the mold design for a sleek look.
- Incorporates a translucent design in the absorption device area, facilitating easy inspection and replacement.
- Adjustable suction pressure when negative to prevent spills or gas emptying.
- Equipped with an anti-corrosion vacuum pump, delivering low noise, high suction, and reducing wasted gas discharge for an eco-friendly approach.
- Kjeldahl Digestor TT-SH220F a ternary filtration system (water condensation, alkali neutralization, and active carbon filtration) ensuring impeccable neutralization and absorption performance. The PTFE anticorrosion pipe design enhances durability and prolongs usage life.

TECHNICAL SPECIFICATIONS

	TT-SH420F	TT-SH220F
Temperature range	Room temperature +5 - 450℃	-
Temperature accuracy	±1℃	-
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 (110V is also available. Please specify when ordering)	-

Power	3600W	-
Dimensions	20.3 inches X 18 inches X 28.7 inches	20.3 inches X 16.6 inches X 8.3 inches
Net weight	88.2 lbs,.	55.1 lbs,.

How



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