

Automatic Digester

Introduction:

The GDA-20S is a sample pretreatment equipment with precise temperature control, uniform heating, and strong corrosion resistance. Its core function is to convert test samples into clear, homogeneous liquid samples via a programmed high-power electric heating system and digestion system, laying the foundation for subsequent detection. With a built-in automatic lifting system, it achieves full automation of the digestion process, boasting high efficiency, energy saving, and large processing capacity.



Features:

- * Digestion tubes & waste discharge pipes: Explosion-proof safety glass (explosion-proof and high-temperature resistant);
- * Aluminum deep-hole heating modules: High heating efficiency, fast warming, long service life, and eco-friendly;
- * Standard lifting device: One-key operation, automatic lifting during the whole experiment, no personnel on duty needed (energy-saving & efficient);
- * High-power electric heating tubes: Fast heating rate to reduce experimental time;
- * Excellent heat preservation: Lowers energy consumption while ensuring temperature stability and operational safety;
- * Digestion rack & waste hood: 304 stainless steel (strong corrosion resistance);
- * PTFE (polytetrafluoroethylene) digestion tube caps: High-temperature and acid-resistant, reducing acid gas leakage and environmental pollution;
- * Aluminum parts: Anodized surface treatment for enhanced corrosion resistance.

Technical Parameters:

Model	GDA-20S
Temp. Range	RT+5~450°C
Temp. Accuracy	±1°C
Capacity	20pcs
Digestive Tube	Glass tube 300ml*20
Heating Mode	6061 aluminum alloy
Heating Rate	8~15°C/min
Heating Method	Electric heating tube
Display	7-inch high resolution color LCD screen
Consumption	2.7kW
Power Supply	Standard: AC220V±10%, 50/60Hz; Optional: AC110V±10%, 50/60Hz
External Size(W*D*H)	435*640*750mm
Package Size(W*D*H)	560*820*980mm
Net Weight	60kg
Gross Weight	85kg

Exhaust System Scrubber



Introduction:

The exhaust system scrubber integrates a two-stage filtration system. Primarily designed for filtering and neutralizing acid fumes generated during sample digestion, it ensures the discharged gas is safe and non-hazardous, achieving pollution-free emissions.

Features:

- * Sheet metal enclosure construction for a sleek profile and superior structural rigidity.
- * Perfluorinated piping configuration, offering excellent acid and alkali corrosion resistance for prolonged service life.
- * Two-stage filtration assembly enabling efficient waste gas filtration and neutralization.
- * High-flow negative pressure air pump equipped with a standard adjustable knob for precise flow rate regulation.
- * Large-capacity solvent reservoir, substantially minimizing solvent replacement frequency.
- * Damped top cover design allowing arbitrary angle positioning, optimizing space utilization.
- * High-efficiency waste gas treatment performance, complying with national emission standards to ensure environmental sustainability.

Technical Parameters:

Model	ESS-01
Extraction Flow	40L/min
Air Extraction Interface	Φ8~10mm(Reducer fittings are available)
Alkaline Solution Bottle	3L PP bottle
Distilled Water Bottle	3L PP bottle
Alkali Concentration	10%~35%
Power Supply	AC100~240V, 50/60Hz
Consumption	50W
External Size(W*D*H)mm	355*310*360
Net Weight(kg)	15
Package Size(W*H*D)mm	445*405*425
Gross Weight(kg)	18