

Gr20 Automated Graphite Block Digester

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Overview

This kind of graphite digester is adopted with the economic high purity graphite heating method and the anti-oxidation processing. Comparing to that of the aluminum block, the price of the graphite digester is more acceptable to most of the laboratories.

Features

- Heat insulation methods: Ceramic insulation and air duct insulation.
- Heating method: Infrared radiation and graphite conduction heating.
- Temperature is adjustable and constant.
- Alarm of over voltage, over current, over heating, over temperature, and auto malfunction alarm.
- Accurate PID outlet temperature control and safe over temperature protection are specially designed.
- The outer surface is painted with teflon coating to prevent the apparatus from being corroded by the acid gas or liquid generated during the digestion.
- Sonnen's E Series Off-gas Absorption Apparatus: connection of the digester and off-gas absorption system, to neutralize and absorb the acid fume generated during digestion.

Specifications

Tube positions	20 tubes
Tube volume	300 ml
Sample size (solid)	≤6 g per sample
Sample size (liquid)	≤25 ml per sample
Temperature range	Ambient – 450 °C
Temperature setting resolution	1 °C
Temperature stability at 400 °C	±1 °C
Power supply	220 V, 50 Hz
Power consumption	3200 W
Dimensions	400×410×200 mm
Net weight	25 kg

Compiled from the manufacturer's datasheet — request the full specification sheet for this model.

Application fields

This graphite digester is widely applied in the industries of food, pharmaceutical, agriculture, forestry, environment protection, chemical engineering, biochemistry and etc. For those colleges and universities, and other scientific research departments, which will handle the sample digestion before chemical analysis of the soil, fodder, plant, seed, mine and etc, it is better to equip Sonnen's Kjeldahl apparatus together with this graphite digester.

Specifications as published at www.sino-sonnen.com. Final configuration is confirmed per order — request a quotation: info@sino-sonnen.com · R&D: Jiading District, Shanghai · Manufacturing: Luoyang, Henan, China