

S20 Automated Graphite Block Digester

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Overview

This kind of graphite automatic 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 automatic digester is more acceptable to most of the laboratories.

Features

- Large LCD screen is equipped for display, and the touch-button is anticorrosive.
- Intellectual temperature control, time control, and curve heating function (double-mode, three-stage heating) ensure that this digester is suitable for a wide range of digestion samples.
- Large screen, with switching display function, displays the working condition (real-time temperature and remaining heating time) in real time and makes it convenient for observation.
- Accurate PID outlet temperature control and safe over temperature protection are specially designed.
- Alarm function of over voltage, over current, overheating, over temperature, and auto malfunction alarm function are available.
- Intellectual failure detection (for the heating unit, temperature control unit, temperature sensor and etc.) is available and the detection result will be output in English words.
- Heat insulation methods: Ceramic insulation and air duct insulation.
- 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.
- Heating method: Infrared radiation and graphite conduction heating.
- The exhaust manifolds should be connected to the water aspirator supplied, or to a suitable scrubber.

Specifications

Processing sample quantity per batch	20
Digestion tube specification	≥300 ml
sample amount for digestion(solid)	≤6g per sample
sample amount for digestion(liquid)	≤25 ml per sample
Temperature range	Room temperature to 450°C
Over temperature protection	Available
Intellectual failure detection	Available
Temperature stability	±1°C
Power	3000W

All technical parameters are subject to change without notice.

Application fields

The digestion of the samples of nitrogen and protein; COD digestion; The digestion of total phosphorus, arsenic and etc; The digestion of heavy metal (such as lead, copper, zinc, tin and etc.)

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