

Digestion Block

HI-TEMP



Application :

This product is suitable for digestion, acid removal and pretreatment in environmental protection, disease control, scientific research and quality inspection.

Characteristics :

- Three-dimensional surrounding heating method ensures a uniform temperature; special thermal insulation materials ensure energy-efficient heating.
- Resistant to corrosion, high temperature, acid and alkali. Easy to clean.
- Large heating area enables the instrument to handle multiple samples at the same time. High temperature uniformity between holes ensures high digestion rate.
- Split type anticorrosive design of the control part and heating template prevents the acid erosion to the instrument.
- PID parameter self-check function and adjustable heating rate. Temperature fluctuation of the single hole is $\pm 1.0^{\circ}\text{C}$.
- Program LCD ,30 program control, working time, temperature gradient, and rate free setting achieved intelligent digestion
- Normal pressure digestion mode and design of recirculation hole can save reagents supplies about 50%
- Featured by "One-stop" digestion concept. Namely, digestion, acid removal and the constant volume can be completed in the same digestion tank.
- Over-temperature alarm ensures the safety of the experiment.

Typical Applications :

- EPA method of soil treatment : 3010a, 3010b, 3050b, 3060
- EPA method of water treatment : 200.2, 200.7, 200.8, 200.9, 245.1, 365.1
- Electronic product treatment method : SJ/11365-2006

Main technical parameters :

Model	DB100	DB200	DB300	DB400	DB500
Supply voltage	220V/50Hz				
Heating component material	High purity graphite + PTFE		High purity Graphite		
Heating power (W)	1800	2100	3000	3000	3000
Max. temperature (°C)	220	220	260	450	450
Temp. resolution (°C)	1				
Temp. control precision (°C)	1				
Temp. uniformity between holes (°C)	±1.5				
Sample capacity	20x100 ml	40x50 ml	60x50 ml	20x100 ml	40x50 ml
Digestion aperture size (DxH) mm	Φ44x50	Φ31x50	Φ31x50	Φ44x50	Φ31x50
Outline dimensions of heating part (LxWxH)	355x301x180	413x290x180	494x331x180	385x331x180	443x320x180
Outline dimensions of control part (LxWxH)	220x170x77				