



● Smart Graphite Digester

Based on the principle of being practical, durable and user-friendly, Broadfield graphite digesters are produced with innovative technology. These digesters have features such as rapid temperature rise, temperature programming, remote control, complete digestion, high efficiency and convenience, etc. They are widely used for various industries such as foods, medicine, agriculture, forestry, environmental protection, disease control and chemical engineering and so forth.

By using the devices, samples are digested in normal pressure; the heating body is made of isostatic pressing high purity graphite material by using special high temperature resistance antiseptic coating spraying process. Compared with conventional heating bodies made of metal materials, they have advantages such as high temperature resistance, acid and alkali resistance, good temperature uniformity, and they are ideal sample pretreatment devices for analytical instruments such as AAS, ICP, ICP-MS, etc. For digestion of soil, food samples, the series can totally replace microwave digesters and electric hot plates. In addition, they can also be used in conjunction with microwave digesters to perform microwave digestion pretreatment or used as the acid elimination treatment device after microwave digestion.



Smart Graphite Digester adopts capacitive touch control and wi-fi wireless remote intelligent controller to set the target temperature, heating rate, and retention time. Users can control the device by app on mobile terminals such as mobile phones or pads, and also can control the device directly on the panel as needed.



● Features and advantages

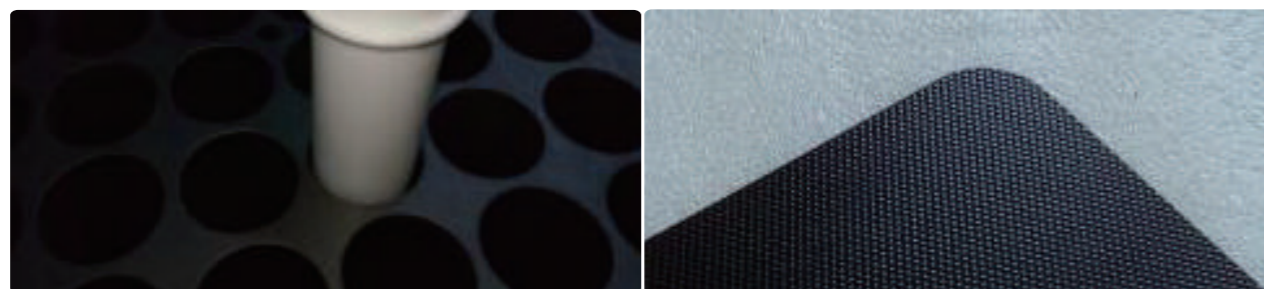
- Multiple configurations, flexible options
- Digestion in normal pressure guarantees safe operation
- Intelligent control, flexible and safe



- Temperature programming for efficient digestion
- Graphite material, infrared heating



- Dual sensors, accurate temperature measurement
- Advanced algorithm, stable temperature
- Antiseptic design, stable and reliable
- Alarm design, guarantees safety



○ B Series technical specification

Description	B160	B250	B360
Temperature range	environment~240°C		
Temperature zone	single temperature zone		
Sample specification	16holes-Φ30	25holes-Φ42	36holes-Φ30
Hole temperature uniformity	± 1.0°C (@95°C)		± 2.0°C (@195°C)
Temperature resolution	0.1°C		
Temperature accuracy	± 1.0°C, It can be calibrated at 9 temperature points		
Power	900W	1400W	1400W
Rate of temperature increase	10 °C/min, <95°C		8 °C/min, <195°C

○ BH Series technical specification

Description	BH160	BH250	BH360
Temperature range	environment~450°C		
Temperature zone	single temperature zone		
Sample specification	16holes-Φ30	25holes-Φ42	36holes-Φ30
Hole temperature uniformity	± 1.0°C (@95°C)	± 2.0°C (@195°C)	± 3.0°C (@395°C)
Temperature resolution	0.1°C		
Temperature accuracy	± 1.0°C, It can be calibrated at 9 temperature points		
Power	1800W	2800W	6000W
Rate of temperature increase	10 °C/min, <95°C	8 °C/min, <195°C	5 °C/min, <395°C

Order information ——Smart Graphite Digester

Item No.	Weight(Kg)	
Smart Graphite Digester		
24.884.0001	21.00	B160, 220V,50Hz;
24.884.0002	30.00	B250, 220V,50Hz;
24.884.0003	30.00	B360, 220V,50Hz;
24.884.0004	21.00	BH160, 220V,50Hz;
24.884.0005	30.00	B160, 220V,50Hz;
24.884.0006	30.00	BH250, 220V,50Hz;
Accessories		
01.884.0101	0.10	external temperature probe, length:260mm
Holder		
01.884.0102	1.00	36 hole single deck steel frame: Φ31mm (coating PTFE)
01.884.0103	1.00	18 hole single deck steel frame: Φ44mm (coating PTFE)
01.884.0104	1.00	48 hole single deck steel frame: Φ31mm (coating PTFE)

The above is only partial information of items, for more details please contact POWTEQ Company.