

防腐型石墨消解仪

EH 系列防腐型石墨消解仪是一款适合在高浓度酸雾环境中进行样品消解的前处理设备，最多可以支持 60 个样品的同时处理，充分满足批量样品处理需求。阶梯温度控制以及自动样品升降功能，可以自动完成消解、赶酸、冷却等工作步骤，最大程度减少实验人员接触酸气的机会。

产品主要特点：

◇ 多重保护 —— 防腐耐用

- 1.采用微晶玻璃作为仪器上面板，防腐的同时，更易清洁；
- 2.石墨体表面采用先进的耐高温防腐涂层处理，有效防止强酸侵蚀；
- 3.仪器箱体全部采用不锈钢材质，表面喷涂防腐涂层，耐腐蚀性能优异；
- 4.电气系统采用独立密封的空间设计，更好保护电器元件，免受酸气腐蚀；
- 5.仪器采用无线通讯控制方式，避免了传统有线控制方式端口易腐蚀的弊病。

◇ 无线控制 —— 安全方便

智能石墨消解仪支持单机操作模式与无线控制模式。

基于 Android 系统的 APP 控制软件，可以通过移动终端对设备进行远距离控制，可在通风柜窗口不打开的情况下轻松完成消解过程，减少实验人员与高温酸气的接触，更好呵护实验人员的健康。

- 1.手机显示实时温度曲线，更直观地掌握消解进程；
- 2.可通过手机编辑、设置消解程序的设定温度和保持时间；
- 3.可以控制仪器启动、停止消解工作；
- 4.内置专家程序库，可随时调用专家程序，也可新建程序或编辑，保存库内的各个程序，可随时调用库内各个程序；
- 5.程序运行结束的蜂鸣报警提示。

◇ 自动升降 —— 保护样品

1.样品自动升起散热

仪器执行完升温程序，样品架自动升起，样品进入散热状态，避免实验人员未及时将样品取出，石墨体余温将样品破坏。

2.样品悬停近干

当消解工作接近完成，样品数量很少时，可以通过升降功能，将样品管的底部升起至容易观察的位置继续加热，直至样品近干，避免样品破坏。

3.隔窗观察样品

在消解过程中，经常需要查看样品消解状态，可以通过线控开关或 app 软件操控样品架升起，用户可以隔着通风橱玻璃对样品进行观察。

◇ 均温加热 —— 同步消解

智能石墨消解仪采用独特的碳纤维均温加热器作为热源，通过等静压石墨体对样品进行加热，升温速度更快、消解孔间的温度更均匀、使用寿命更长。

系列	外形	型号	消解孔规格	消解孔数量	温度范围	孔间温差	升温阶数	功率 (W)	外形尺寸 (宽×深×高) Mm
mini Heater		miniHeater 1530	直径Φ32m m 孔深 65m m	15	室温 ~ 240°C	±1.5°C (@200°C 时)	20	1500	290×300×230
		miniHeater 1242	直径Φ44m m 孔深 65m m	12	室温 ~ 240°C	±1.5°C (@200°C 时)	20	1500	290×300×230
EH 系列		DXEH-2430	直径Φ32m m 孔深 65m m	24	室温 ~ 240°C	±1.5°C (@200°C 时)	20	1800	350×320×230
		DXEH-1542	直径Φ44m m 孔深 65m m	15	室温 ~ 240°C	±1.5°C (@200°C 时)	20	1800	350×320×230
		DXEH-3630	直径Φ32m m 孔深 65m m	36	室温 ~ 240°C	±1.5°C (@200°C 时)	20	2500	450×420×300
		DXEH-2542	直径Φ44m m 孔深 65m m	25	室温 ~ 240°C	±1.5°C (@200°C 时)	20	2500	450×420×300
		DXEH-6030	直径Φ32m m 孔深 65m m	60	室温 ~ 240°C	±1.5°C (@200°C 时)	20	3500	640×420×300

		DXEH-4042	直径Φ44m m 孔深 65m m	40	室温 ~ 240°C	±1.5°C (@200°C 时)	20	3500	640×420× 300
		DXEHS-3630	直径Φ32m m 孔深 65m m	36	室温 ~ 240°C	±1.5°C (@200°C 时)	20	2500	530×420× 310
		DXEHS-2542	直径Φ44m m 孔深 65m m	25	室温 ~ 240°C	±1.5°C (@200°C 时)	20	2500	530×420× 310
		DXEHS-6030	直径Φ32m m 孔深 80m m	60	室温 ~ 240°C	±1.5°C (@200°C 时)	20	3500	720×420× 310
		DXEHS-4042	直径Φ44m m 孔深 80m m	40	室温 ~ 240°C	±1.5°C (@200°C 时)	20	3500	720×420× 310

Corrosion Resistant Intelligent Graphite Digester

Corrosion resistant graphite digester is a kind of pretreatment equipment suitable for sample digestion in high concentration acid mist environment. It can support the simultaneous processing of up to 60 samples, fully meeting the needs of batch sample processing. Step temperature control and automatic sample lifting and lowering function can automatically complete digestion, acid driving, cooling and other work steps, which can minimize the opportunities for laboratory personnel to contact acid gas.

Main features of the product:

○Multiple protection -- corrosion protection and durability

1. Glass ceramic is used as the upper panel of the instrument, which is easy to clean while antiseptic;
2. Advanced high temperature resistant anti-corrosion coating is adopted on the surface of graphite body to effectively prevent strong acid corrosion;
3. The instrument box is made of stainless steel, and the surface is sprayed with anti-corrosion coating, which has excellent corrosion resistance;
4. The electrical system adopts independent sealed space design to better protect electrical components from acid gas corrosion;
5. The instrument adopts wireless communication control mode, which avoids the disadvantages of traditional wired control mode port easy to corrode.

○Wireless control -- safe and convenient

The intelligent graphite digestion instrument supports single machine operation mode and wireless control mode.

The app control software based on Android system can remotely control the device through the mobile terminal. It can easily complete the digestion process without opening the window of the fume hood, reduce the contact between the laboratory personnel and high temperature acid gas, and better protect the health of the experimental personnel.

1. The mobile phone displays the real-time temperature curve to grasp the digestion process more intuitively;
2. The set temperature and holding time of digestion program can be edited and set by mobile phone;
3. It can control the instrument to start and stop digestion;
4. The built-in expert program library can call expert program at any time, create new program, edit and save each program in the library, and call all programs in the library at any time;
5. Beep alarm at the end of program running.

○Automatic lifting -- Sample protection

1. The sample rises automatically to dissipate heat

After the instrument completes the heating program, the sample holder will automatically rise, and the sample will enter into the heat dissipation state, so as to avoid the sample being damaged by the residual temperature of graphite body if the tester fails to take out the sample in time.

2. Sample hovered to near dry

When the digestion work is nearly completed and the sample quantity is small, the bottom of the sample tube can be lifted to the position where it is easy to observe through the lifting function until the sample is almost dry to avoid sample damage.

3. Observe the sample through the window

In the process of digestion, it is often necessary to check the digestion status of the sample. The sample rack can be lifted by wire control switch or app software. Users can observe the sample through the fume hood glass.

○ Uniform temperature heating synchronous digestion

The intelligent graphite digestion instrument uses a unique carbon fiber homogenization heater as the heat source. The sample is heated by isostatic pressing graphite body. The heating speed is faster, the temperature between digestion holes is more uniform, and the service life is longer.

Series	Appearance	Model	Digestion hole specification	Number of digestion holes	temperature range	Temperature difference between holes	Heating level	Power (W)	Dimension (width × depth × height) mm
mini Heater		miniHeater 1530	DiaΦ32mm Hole depth 65mm	15	RT ~ 240°C	±1.5°C (@200°C)	20	1500	290×300×230
		miniHeater 1242	DiaΦ44mm Hole depth 65mm	12	RT ~ 240°C	±1.5°C (@200°C)	20	1500	290×300×230
EH 系列		DXEH-2430	DiaΦ32mm Hole depth 65mm	24	RT ~ 240°C	±1.5°C (@200°C)	20	1800	350×320×230
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		DXEH-3630	DiaΦ32mm Hole depth	36	RT ~ 240°C	±1.5°C (@200°C)	20	2500	450×420×300

			65mm						
		DXEHS-2542	DiaΦ44mm Hole depth 65mm	25	RT ~ 240°C	±1.5°C (@200°C)	20	2500	450×420× 300
		DXEHS-6030	DiaΦ32mm Hole depth 65mm	60	RT ~ 240°C	±1.5°C (@200°C)	20	3500	640×420× 300
		DXEHS-4042	DiaΦ44mm Hole depth 65mm	40	RT ~ 240°C	±1.5°C (@200°C)	20	3500	640×420× 300
		DXEHS-3630	DiaΦ32mm Hole depth 65mm	36	RT ~ 240°C	±1.5°C (@200°C)	20	2500	530×420× 310
		DXEHS-2542	DiaΦ44mm Hole depth 65mm	25	RT ~ 240°C	±1.5°C (@200°C)	20	2500	530×420× 310
		DXEHS-6030	DiaΦ32mm Hole depth 80mm	60	RT ~ 240°C	±1.5°C (@200°C)	20	3500	720×420× 310
		DXEHS-4042	DiaΦ44mm Hole depth 80mm	40	RT ~ 240°C	±1.5°C (@200°C)	20	3500	720×420× 310