Introduction

DS-360 series wire-controlled graphite digestion apparatus is mainly used for heating, acid removing and digestion in laboratory sample pretreatment. It has higher efficiency and lower cost consumption than the experimental electric heating plate. The graphite digestion apparatus adopts high-purity graphite as the heating block with wrapped heating and uniform and sufficient temperature to fully digest the samples. The porous design easily realizes the batch processing of samples, discarding the traditional single digestion mode and being a good assistant for your sample digestion.

- Heating
- Digestion
- Acid removing

Acid and alkali resistant | Split-type program temperature control | Uniform heating

Product Information

	 DS-360-36X	 DS-360-56X
Batch processing amount	36	56
Heating block	Graphite	Graphite
Heating block sprayed with Teflon	√	√
Panel material	Teflon	Teflon
Temperature control range	Room temperature-230℃	Room temperature-230℃
Temperature control accuracy	±0.2℃	±0.2℃
Aperture	30mm	30mm
Hole depth	60mm	60mm
Control method	Wired-control	Wired-control
Wire-controlled PID programmed temperature rise	√	√
Multi-step setting	√	√
Maximum number of steps	5	5
Heating rate	5℃/min	5℃/min
Time setting range	1min-99hr	1min-99hr
Power	1500W	2300W
Working indicator light	√	√
Step indicator lights (1-3 working steps)	√	√
No mechanical buttons on whole machine	√	√
Shell material	Engineering plastics + Teflon coating	Engineering plastics + Teflon coating
Resistant to acid corrosion	√	√
Resistant to alkali corrosion	√	√
Resistant to oxidation corrosion	√	√
Built-in temperature sensor	√	√
External temperature probe	Optional	Optional
Instrument dimension	319mm(L)*321mm(W)*136mm(H)	515mm(L)*400mm(W)*150mm(H)
Instrument weight	15kg	21kg
Controller dimension	265mm(L)*195mm(W)*85mm(H)	265mm(L)*195mm(W)*85mm(H)

Product Information

	 DS-360-36X	 DS-360-56X
Controller weight	1.6kg	1.6kg
Shipping dimension	500mm(L)*430mm(W)*210mm(H)	600mm(L)*480mm(W)*240mm(H)
Shipping weight	15.6kg	22.2kg
Standard accessories		
100mL glass digestion tube (with glass cover)	36	56
Wire controller	1	1
Software	1	1
User manual	1	1
Warranty card	1	1
Optional accessories		
50mL Teflon digestion tube (with cover)	36	56
Polypropylene digestion tube	100pcs/pack	100pcs/pack
Polypropylene reflux cover	100pcs/pack	100pcs/pack
External temperature probe	√	√
Double-layer scaffold	√	√

Graphite Digestion Instrument

	Part No.	Product Name	Description
	**GDN-DS-360-36X**	DS-360-36X Graphite Digestion Instrument	Wired control, RT~ 230℃, 36 holes
	**GDN-DS-360-56X**	DS-360-56X Graphite Digestion Instrument	Wired control, RT~ 230℃, 56 holes

Consumables

	Part No.	Product Name	Description
	GDN-HBG-131-050	50mL Glass digestion tube (with glass cover)	Application: Digestion of samples such as food, without the need for hydrofluoric acid, short, easily volatile and easy to drive off the acid.
	GDN-HBG-227-100	100mL Glass digestion tube (with glass cover)	Application: Digestion of samples such as food, without the need for hydrofluoric acid, suitable for the digestion of volatile elements. It is relatively long, easily condensates and refluxes on the tube wall, and difficult to drive off the acid.
	GDN-HSFG-105-050	50mL Teflon digestion tube (with cover)	Application: For environmental samples such as soil, when dealing with volatile elements where hydrofluoric acid is used, the standard configuration have a polytetrafluoroethylene (PTFE) cover.
	GDN-HPPG-118-050	Polypropylene digestion tube	100pcs/pack The maximum temperature is 120℃.
	GDN-HPP-G-100	Polypropylene reflux cover	100pcs/pack

Accessories and Maintenance Supplies

	Part No.	Product Name	Description
	GDN-HDS-KZQ	Wired controller	\
	GDN-HDS-SCJ-36	36 tube double-layer scaffold	\
	GDN-HDS-SCJ-56	56 tube double-layer scaffold	
	GDN-HDS-WCW	External temperature probe	\

Customer Questionnaire

If you are interested in our instruments, please fill in the following information and send it to our local agent or email the form directly to sales@rogetscientific.com. We will reply to you within two working days.

Please tick the box in the brackets【 】

Application (sample type)

Eg:【√】Agricultural and Food: Analysis of Cadmium in Rice

【 】Environmental Monitoring: _____

【 】Agricultural and Food: _____

【 】Product Quality Research: _____

【 】Scientific Research: _____

【 】Disease Prevention and Control: _____

【 】New Energy: _____

【 】Others _____

The type of acid or oxidant used

【 】HCl

【 】$HClO_4$

【 】HNO_3

【 】H_2SO_4

【 】HF

【 】H_2O_2

【 】Others _____

Daily detection sample quantity

【 】0-30 samples

【 】30-100 samples

【 】＞100 samples

Single sample weight

【 】0g-0.5g

【 】0.5g-1g

【 】＞1g

Digestion working step:

Table of Configuration

Please arrange the required system

Instruments

Quantity	Part No.	Product Name	Description

Consumables and Accessories

Quantity	Part No.	Product Name	Description

Send Offer to

Company	
Contact person	
Address	
Tel.	
E-mail	
Web	

*As the product is updated and iterated, the data sheet may change. Please refer to the latest version of the data sheet. The final interpretation rights of the data sheet belong to Roget Scientific.