Graphite Hotplate

WATCH VIDEO

Features

- **Designed for ultra-trace metal analysis**
  Designed specially for ultra-trace metal analysis, all graphite plates and blocks are coated with PTFE and ensured zero metal exposure. Corrosive-gas-resistant and durable.
- **Uniform heating technology**
  Made of isostatic graphite with high density and great thermal conductivity. New heater design makes excellent uniformity between each sample.
- **Multipurpose usage**
  Mars hotplate can be used with various graphite blocks as hotblock for different purposes.
- **2 heating mode**
  Built-in 2 heating modes with temperature range from R.T. +5°C ~ 200°C
  (1) Continuous mode
  (2) Countdown mode
- **International certification**
  CE certification
  RoHS certification
- **One-Year Warranty**

Mars 320 / 430

Specification

Model	Mars 320	Mars 430
PERFORMANCE DATA		
Capacity	1 graphite block	2 graphite blocks
Display	OLED	
Plate material	PTFE-coated graphite	
Temperature range	R.T. +5°C ~ 200°C	
Resolution	1°C	
Temperature accuracy	± 1°C (@150°C)	
Timer	(1) Countdown timer: 00:01~99:59 (HH:MM) (2) Counter: 00:00 (HH:MM)	
Net weight	6.8 Kg	11.0 Kg
Controller dimension (LxWxH)	18 x 18 x 10 cm	
Hotplate dimension (LxWxH)	36 x 22 x 11 cm	46 x 32 x 11 cm
ELECTRICAL DATA		
Voltage	220V	220V
Frequency	50 / 60Hz	50 / 60Hz
Max. power	1000W	2000W
Safety	Overheat Protection (210°C)	

* Each unit includes a controller and a hotplate.

Applications

- Heavy metal digestion
- Acid digestion
- Heating experiments

Ordering Information

178320-22
Mars 320, Graphite Hotplate
AC220V, 50/60Hz

178430-22
Mars 430, Graphite Hotplate
AC220V, 50/60Hz

178200-45
PTFE-coated thermal sensor

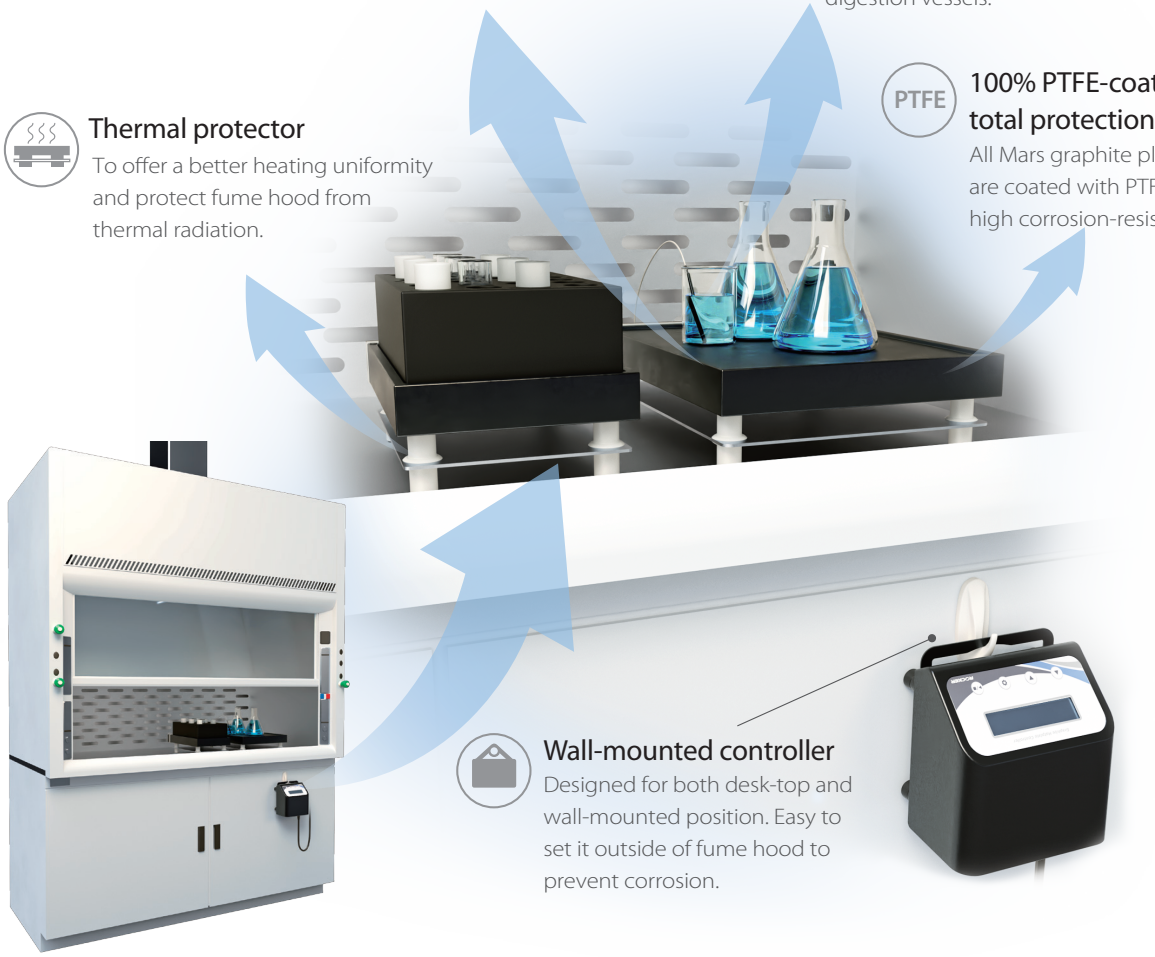
Graphite Hotplate

Use as hotplate or hotblock
Adapts various containers in one instrument.
- Hotplate: beakers, flasks, pans, etc.
- Hotblock: tubes and vessels.

(Optional) PTFE-coated thermal sensor
To monitor the sample temperature in digestion vessels.

Thermal protector
To offer a better heating uniformity and protect fume hood from thermal radiation.

100% PTFE-coated graphite, total protection
All Mars graphite plates and blocks are coated with PTFE and provide high corrosion-resistance.



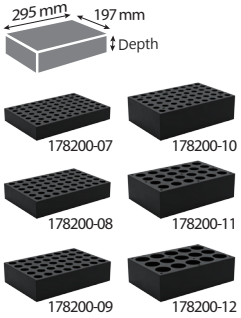
Wall-mounted controller
Designed for both desk-top and wall-mounted position. Easy to set it outside of fume hood to prevent corrosion.

PP Glass PTFE

◆ Digestion Tube

	Tube Volume		
	15 mL	50 mL	100 mL
PP	178200-15-PP (1000 ea/pk)	178200-50-PP (500 ea/pk)	178200-100-PP (225 ea/pk)
Borosilicate Glass	178200-15-G (60 ea/pk)	178200-50-G (28 ea/pk)	178200-100-G (18 ea/pk)
PTFE	178200-15-PTFE (8 ea/pk)	178200-50-PTFE (4 ea/pk)	178200-100-PTFE (2 ea/pk)

* Max. Operating Temperature • PP : 130 ℃ • Glass / PTFE : 200 ℃



◆ Graphite Block (L x W): 295 x 197 mm

	Hole Diameter	Hole Depth	Max. Capacity	Applicable Tube
178200-07	16.5 mm	45 mm	70 well	Ø 16 mm tube
178200-08	20.5 mm	70 mm	54 well	Ø 20 mm tube
178200-09	25.5 mm	90 mm	40 well	Ø 25 mm tube
178200-10	19 mm	85mm	54 well	15 mL digestion tube, Ø 18 mm tube
178200-11	31 mm	90 mm	24 well	50 mL digestion tube, Ø 30 mm tube
178200-12	47 mm	90 mm	15 well	100 mL digestion tube