

Heating Mantle

Analog

BlackDiamond™

DAN
LOGITECH



- ▶ Designed for advanced Laboratory usage
- ▶ SS & Aluminium Construction
- ▶ For Round Bottomed Flasks as per DIN - 12347
- ▶ Glass fibre yarn knitted mantle provides uniform heating to flask
- ▶ Predictable electronic power regulator
- ▶ Provision to attach accessories
- ▶ Innovative spill collect system enables collection of spillage in case of breakage of flasks
- ▶ Fewer parts give longer life
- ▶ Easy to use and maintain

Item Code (230V, 50Hz)	Item Code (115V, 60Hz)	Cap. (ml)	Watts	Dimension (WxDxH)
1220.DNEU.01	1220.DNUS.01	100*	200	167x240x182
1220.DNEU.02	1220.DNUS.02	250*	200	167x240x182
1220.DNEU.03	1220.DNUS.03	500*	250	217x287x203
1220.DNEU.04	1220.DNUS.04	1000*	350	217x287x203
1220.DNEU.05	1220.DNUS.05	2000*	500	309x390x262
1220.DNEU.06	1220.DNUS.06	3000*	500	309x390x262
1220.DNEU.08	1220.DNUS.08	5000	650	309x390x262
1220.DNEU.09	1220.DNUS.09	6000	650	-
1220.DNEU.10	1220.DNUS.10	10000	1250	-
1220.DNEU.11	1220.DNUS.11	20000	1850	-

Optional Accessories

Item Code	Accessories
850.800.01	SS Rod (542mm, Ø 9mm) Bosshead

Technical Specification

Heating Mantle Body	Metallic, SS & Aluminium construction
Heating Mantle Material	Glass Fibre Yarn
Mantle Capacity	To hold standard Round Bottom Flasks upto 20000ml (as per DIN 12347)
Temperature Range	~400°C
Control Accuracy	10%
Heating Control	Variable
Weight	1.7 Kgs
Permissible Ambient Temperature	5- 40 °C
Permissible relative moisture	80%
IP Class	10



*For lower volumes only.

The spill protect feature is provided
in models upto 2000ml.

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Heating Mantle

Digital

BlackDiamond™

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- ▶ Designed for advanced Laboratory usage
- ▶ Control the temperature of subject in flask using probe
- ▶ Temperature control with digital display
- ▶ Celsius/Fahrenheit selection
- ▶ Mantle/Probe selection
- ▶ SS & Aluminium Construction
- ▶ For Round Bottomed Flasks as per DIN - 12347
- ▶ Glass fibre yarn knitted mantle provides uniform heating to flasks
- ▶ Innovative spill collect system enables collection of spillage in case of breakage of flasks
- ▶ Fewer parts give longer life
- ▶ Easy to use and maintains
- ▶ Provision to attach accessories

Item Code (230V, 50Hz)	Item Code (115V, 60Hz)	Cap. (ml)	Watts	Dimension (WxDxH)
1222.DNEU.01	1222.DNUS.01	100*	200	167x240x182
1222.DNEU.02	1222.DNUS.02	250*	200	167x240x182
1222.DNEU.03	1222.DNUS.03	500*	200	217x287x203
1222.DNEU.04	1222.DNUS.04	1000*	250	217x287x203
1222.DNEU.05	1222.DNUS.05	2000*	350	309x390x262
1222.DNEU.06	1222.DNUS.06	3000*	500	309x390x262
1222.DNEU.08	1222.DNUS.08	5000*	650	309x390x262
1222.DNEU.09	1222.DNUS.09	6000	650	-
1222.DNEU.10	1222.DNUS.10	10000	1250	-
1222.DNEU.11	1222.DNUS.11	20000	1850	-

Technical Specification

Heating Mantle Body	Metallic, SS & Aluminium construction
Heating Mantle Material	Glass Fibre Yarn
Mantle Capacity	To hold standard Round Bottom Flasks upto 5000ml
Heating Control	Microprocessor based PID
Temperature Range	~400°C
Control Accuracy	10%
Weight	2.4 Kgs
Permissible Ambient Temperature	5- 40 °C
Permissible relative moisture	80%
IP Class	10



Spill collect system

*For lower volumes only.

The spill protect feature is provided in models upto 2000ml.

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Digital Heating Mantle

with Stirrer

DAN
LOGITECH

BlackDiamond™



- ▶ Designed for advanced Laboratory usage
- ▶ Control the temperature of subject in flask using probe
- ▶ Temperature control with digital display
- ▶ Celsius/Fahrenheit selection
- ▶ Mantle/Probe selection
- ▶ SS & Aluminium Construction
- ▶ For Round Bottomed Flasks as per DIN - 12347
- ▶ Glass fibre yarn knitted mantle provides uniform heating to flasks
- ▶ Innovative spill collect system enables collection of spillage in case of breakage of flasks
- ▶ Fewer parts give longer life
- ▶ Easy to use and maintains
- ▶ Provision to attach accessories
- ▶ Electronic stir speed control

Item Code 230 Volts/50Hz	Item Code 115 Volts/60Hz	Cap. (ml)	Watts	Dimension
1221.DNEU.01	1221.DNUS.01	100	220	167x240x182
1221.DNEU.02	1221.DNUS.02	250	220	167x240x182
1221.DNEU.03	1221.DNUS.03	500	270	217x287x203
1221.DNEU.04	1221.DNUS.04	1000	370	217x287x203
1221.DNEU.05	1221.DNUS.05	2000	520	309x390x262
1221.DNEU.06	1221.DNUS.06	3000	520	309x390x262
1221.DNEU.08	1221.DNUS.08	5000	670	309x390x262

Technical Specification

Heating Mantle Body	Made of SS & Aluminium
Heating Mantle Material	Glass Fibre Yarn
Mantle Capacity	To hold standard Round Bottom Flasks upto 5000ml
Variable Speed Range	Approx. upto 800 RPM
Temperature Range	400°C
Control Accuracy	10%
Heating Control	Digital
Stir Control	Electronic
Dimension	168x240x182 (WxDxH)
Permissible Ambient Temperature	5- 40 °C
Permissible relative moisture	80%
IP Class	10



*For lower volumes only.

The spill protect feature is provided in models upto 2000ml.

Included Accessories

Item Code	Accessories
1500.150.02	Magnetic Stirring bar 25 mm x 9 mm
850.800.01	SS Rod (400mm, Ø 12mm)
850.800.03	Moulded PT 100 Sensor probe
	Bosshead

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Heating Mantle

with Stirrer Analog



BlackDiamond™



- ▶ Designed for advanced Laboratory usage
- ▶ SS & Aluminium Construction
- ▶ For Round Bottomed Flasks as per DIN - 12347
- ▶ Glass fibre yarn knitted mantle provides uniform heating to flasks
- ▶ Predictable electronic power regulator
- ▶ Knob for stir speed control upto 800 RPM
- ▶ Innovative spill collect system enables collection of spillage in case of breakage of flasks
- ▶ Fewer parts give longer life
- ▶ Easy to use and maintain
- ▶ Provision to attach accessories

Item Code 230 Volts/50Hz	Item Code 115 Volts/60Hz	Cap. (ml)	Watts	Dimension
1223.DNEU.01	1223.DNUS.01	100	220	167x240x182
1223.DNEU.02	1223.DNUS.02	250	220	167x240x182
1223.DNEU.03	1223.DNUS.03	500	270	217x287x203
1223.DNEU.04	1223.DNUS.04	1000	370	217x287x203
1223.DNEU.05	1223.DNUS.05	2000	520	309x390x262
1223.DNEU.06	1223.DNUS.06	3000	520	309x390x262
1223.DNEU.08	1223.DNUS.08	5000	670	309x390x262

Technical Specification

Heating Mantle Body	Metallic, SS & Aluminium construction
Heating Mantle Material	Glass Fibre Yarn
Mantle Capacity	To hold standard Round Bottom Flasks upto 20000ml
Temperature Range	~400°C
Control Accuracy	10%
Variable speed range	~800 RPM
Weight	2.5 Kgs
Permissible Ambient Temperature	5- 40 °C
Permissible relative moisture	80%
IP Class	10

Included Accessories

Item Code	Accessories
1500.150.02	Magnetic Stirring bar 25 mm x 9 mm
850.800.01	SS Rod (400mm, Ø 12mm)
850.800.03	Moulded PT 100 Sensor probe
	Bosshead



Spill collect system

*For lower volumes only.

The spill protect feature is provided
in models upto 2000ml.

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Advanced Heating Mantle

with Stirrer - Digital



BlackDiamond™ PRO



With
STIRRER



- ▶ Designed for advanced Laboratory usage
- ▶ SS & Aluminium Construction
- ▶ For Round Bottomed Flasks as per DIN - 12347
- ▶ Single shuffle knob to set temperature, stir speed & time of activity
- ▶ Independent keys for C/F selection & mantle/probe selection
- ▶ Accurately Control liquid temp. with included PT 100 sensor probe
- ▶ Glass fibre yarn knitted mantle provides uniform heating to flasks
- ▶ Innovative spill collect system enables collection of spillage in cases of breakage of flasks

Item Code 230 Volts/50Hz	Item Code 115 Volts/60Hz	Cap. (ml)	Watts	Dimension
1225.DNEU.01	1225.DNUS.01	100	220	240x315x203
1225.DNEU.02	1225.DNUS.02	250	220	240x315x203
1225.DNEU.03	1225.DNUS.03	500	270	240x315x203
1225.DNEU.04	1225.DNUS.04	1000	370	240x315x203
1225.DNEU.05	1225.DNUS.05	2000	520	309x390x262
1225.DNEU.06	1225.DNUS.06	3000	520	309x390x262
1225.DNEU.08	1225.DNUS.08	5000	670	309x390x262

Included Accessories

Item Code	Accessories
1500.150.01	Magnetic Stirring bar 20mmx8mm (For 100-1000ml)
1500.150.02	Magnetic Stirring bar 25mmx9mm (For 2000-5000ml)
850.800.01	SS Rod (542mm, Ø 9mm)
850.800.03	Moulded PT 100 Sensor probe Bosshead

Technical Specification

Operating voltage	230VAC/50Hz
Display type	LED segment
Temperature range	~400 °C
Temperature step size	1°C
Temperature resolution	±1°C
Stir range	50 to 800RPM
Stir step size	50RPM
Weight	3.2 Kgs
Timer range	00:01 to 99:59
Timer step size	00:01
External probe connection	DIN Port
IP Class	10



Spill collect system

The spill protect feature is provided
in models up to 2000ml.

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