



ANALYSIS INSTRUMENTS

WHERE SERVICE AND QUALITY IS OUR FIRST NATURE

HEATING MANTLE

Generally speaking, a heating mantle is referred to as a device which is used in laboratories to heat or temper certain media in glass vessels. Due to the various sizes of the glass vessels, the exact amounts of liquids which are necessary can be heated.

A heating mantle is used in laboratories for the exact preparation of samples and thus, it is very important that these devices have a high level of functionality and accuracy. A typical heating mantle works with a round-bottom flask which is inserted into a basket made of woven fabric. Inside that round-bottom flask, there is the liquid to be heated or tempered by means of the heating elements which are located in the heating mantle.

Temperatures of up to +400 °C (842 °F) are possible. The heat-up time is very short which enables laboratory professionals to start their work soon. Another advantage of using a heating mantle is that the heat is distributed very evenly, which means that the danger of hotspots on the flask is eliminated. Also, no condensed water will be created when using a heating mantle. In comparison to other tempering equipment like hot plates, Bunsen burners or water baths, a heating mantle are suitable for organic liquids which can sometimes inflame when using other equipment.

Suitable for laboratories, chemicals, pharmaceuticals, Dyes, Glass plants etc. Particularly useful for Heating inflammable liquids. Electric heating net is hand knitted from glass Yarn and there is no joint to maintain the strength of the yarn and stands high temperature up to 400 degree C. the body of the mantle is spun one piece from non-rusting Aluminium (up to 1.0 liters Capacity) duly staving painted. All heating mantles are lagged with special grade mineral wool.

The heating mantle is also known as isomantle or heating jacket is designed for advanced laboratory usage. A Round-Bottom Flask is used with the heating mantle for experimentation.

Features

- ❖ Safe and Easy to Use
- ❖ Durable
- ❖ Time-Saving
- ❖ Shockproof
- ❖ Chemical Resistant
- ❖ Spill-Proof
- ❖ Thermal Insulation
- ❖ Consistency in Stirring and Heating

Used For

- ❖ Distillation
- ❖ Extraction
- ❖ Evaporation
- ❖ Heating and Boiling





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Capacity and Model Number

Model : AIHMSS250D/ AIHMMS250D
Capacity : 250 ml
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Digital Temp. Controller

Model : AIHMSS2D/ AIHMMS2D
Capacity : 2000 ml (2 Liter)
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Digital Temp. Controller

Model : AIHMSS10D/ AIHMMS10D
Capacity : 10 Liter
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Digital Temp. Controller

Model : AIHMSS250/ AIHMMS250
Capacity : 250 ml
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Energy Regulator

Model : AIHMSS2/ AIHMMS2
Capacity : 2000 ml (2 Liter)
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Energy Regulator

Model : AIHMSS10/ AIHMMS10
Capacity : 10 Liter
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Energy Regulator

Model : AIHMSS500D/ AIHMMS500D
Capacity : 500 ml
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Digital Temp. Controller

Model : AIHMSS3D/ AIHMMS3D
Capacity : 3000 ml (3 Liter)
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Digital Temp. Controller

Model : AIHMSS20D/ AIHMMS20D
Capacity : 20 Liter
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Digital Temp. Controller

Model : AIHMSS500/ AIHMMS500
Capacity : 500 ml
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Energy Regulator

Model : AIHMSS3/ AIHMMS3
Capacity : 3000 ml (3 Liter)
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Energy Regulator

Model : AIHMSS20/ AIHMMS20
Capacity : 20 Liter
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Energy Regulator

Model : AIHMSS1D/ AIHMMS1D
Capacity : 1000 ml (1 Liter)
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Digital Temp. Controller

Model : AIHMSS5D/ AIHMMS5D
Capacity : 5000 ml (5 Liter)
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Digital Temp. Controller

Model : AIHMSS30D/ AIHMMS30D
Capacity : 30 Liter
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Digital Temp. Controller

Model : AIHMSS1/ AIHMMS1
Capacity : 1000 ml (1 Liter)
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Energy Regulator

Model : AIHMSS5/ AIHMMS5
Capacity : 5000 ml (5 Liter)
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Energy Regulator

Model : AIHMSS30/ AIHMMS30
Capacity : 30 Liter
MOC : Stainless Steel/Mild Steel
Powder Coated
Controller : Energy Regulator

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