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IR QUARTZ DIPPING HEATERS

Helios Quartz, taking advantage from the physical properties of quartz glass such as high temperature resistance ($>1100^{\circ}\text{C}$), excellent permeability for UV and IR radiation, total resistance to thermal shock phenomena (very low expansion coefficient) and perfect resistance to corrosive agents, produces special IR quartz dipping heater elements suitable for warming up liquids.

The IR quartz dipping heaters are made out of quartz glass tube closed on one side and with an insulated electrical connection on the other side.

Helios Quartz produces its standard models with a heating length ranging from 200mm up to 1500mm and a power between 300W and 4000W.



IR QUARTZ EPIRADIATOR

IR Quartz Epiradiators, taking advantage of quartz glass transparency to IR radiation, its resistance to corrosive agents and to thermal shock, are widely used in laboratories and chemical factories.

They are composed by waterproof quartz glass chamber in which is fixed the IR filament that is electrically connected to the power supply through a practical perfectly insulated fused silica handle. They are normally used to evaporate liquid solutions. The peak of the IR emission is about $2.3\mu\text{m}$ and the energy is completely absorbed by the liquid surface that evaporates without boiling, leaving the remaining solution and the liquid container wall almost cold.

Our 500W Quartz Epiradiator placed 4cm over the liquid surface is able to evaporate about 400cc of water per hour.



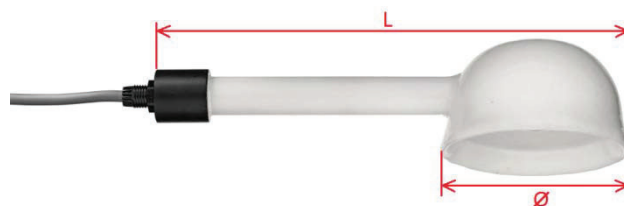
EPIRADIATORS

Epiradiators are made up of a radiant part with a hemispheric shape and a perpendicular or parallel handle. They may be used in analysis laboratories for dry evaporation of solutions at a distance of 4cm. By taking advantage of the considerable transparency of quartz to infrared radiation, they resist acids and thermal shock. They come with a 6 Amp cord and plug.



	MODEL	Rb 2
	Code	39F00002
ø	Diameter	88 mm
H	Height	140 mm
W	Wattage	300 W
V	Voltage	230 V

	MODEL	Rd 2
	Code	39F00004
ø	Diameter	88 mm
H	Height	140 mm
W	Wattage	500 W
V	Voltage	230 V



	MODEL	Ra 2
	Code	39F00001
ø	Diameter	119 mm
L	Length	300 mm
W	Wattage	300 W
V	Voltage	230 V

	MODEL	Rc 2
	Code	39F00003
ø	Diameter	119 mm
L	Length	300 mm
W	Wattage	500 W
V	Voltage	230 V