

IR-heaters 900°C

IHPs ceramic IR heaters are a cost- and time-efficient way to heat delimited surfaces by directed infrared radiation. As the infrared radiation is suitable for intermittent spot heating of large and small surfaces, it is excellent in industrial curing processes and in the packaging industry. More areas of application for IR elements are sterilization of medical products, heating zones in animal husbandry such as breeding and terrariums. Ceramic IR heaters work in vacuum as well as air environments.

Our IR elements are made of ceramic material that is cast around heating coils and produce long and medium infrared radiation. The maximum working temperature and power that can be achieved is 900°C and 6,4W/cm².

IHP offers a standard range with four different designs of elements; Flat, Curved, Insulated and Lamps (E27 socket). These can be built together into customized heating panels that provide a larger heating area than a single element. Together with a customized control and powering cabinet, the customer has a competent control system that is completely adapted to the ceramic IR elements and heating process.

Options

As an option, IHP offers ceramic beads that provide extra heat resistance for the electrical conductors. The flat, curved and insulated IR elements can be ordered with built-in TC K for temperature control.



Technical specification

Surface load up to 6,4W/cm ²
Working temperature 900°C depending on model
Contact free heating
Heating area adaptable to customer needs through panel mounting
Customized control (optional)
Integrated thermocouple type K (optional on some models)
Ceramic insulated leads (optional)

Standard range

Flat ceramic elements

Power	50W	125W	150W	200W	250W	300W
Mean surface temp.	175°C	235°C	235°C	300°C	340°C	370°C
Top wavelength	6,4µm	5,7µm	5,7µm	5,0µm	4,7µm	4,5µm
Power	350W	400W	500W	650W	750W	1000W
Mean surface temp.	400°C	420°C	450°C	520°C	555°C	600°C
Top wavelength	4,3µm	4,1µm	4,0µm	3,6µm	3,5µm	3,3µm

72-SFE (Square Flat Element)

Article number	Power	Supply	Length X	Width Y
72-SFE125W230V	125W	230V	122mm	122mm
72-SFE150W230V	150W	230V	122mm	122mm
72-SFE200W230V	200W	230V	122mm	122mm
72-SFE200W400V	200W	400V	122mm	122mm
72-SFE250W230V	250W	230V	122mm	122mm
72-SFE300W230V	300W	230V	122mm	122mm
72-SFE400W230V	400W	230V	122mm	122mm
72-SFE500W230V	500W	230V	122mm	122mm
72-SFE600W230V	600W	230V	122mm	122mm
72-SFE650W230V	650W	230V	122mm	122mm
72-SFE750W230V	750W	230V	122mm	122mm
72-SFE850W230V	850W	230V	122mm	122mm
72-SFE1000W230V	1000W	230V	122mm	122mm

72-HSF (Half Size Flat)

Article number	Power	Supply	Length X	Width Y
72-HSF85W110V	85W	110V	122mm	60mm
72-HSF85W230V	85W	230V	122mm	60mm
72-HSF100W400V	100W	400V	122mm	60mm
72-HSF125W230V	125W	230V	122mm	60mm
72-HSF150W110V	150W	110V	122mm	60mm
72-HSF150W230V	150W	230V	122mm	60mm
72-HSF150W400V	150W	400V	122mm	60mm
72-HSF200W230V	200W	230V	122mm	60mm
72-HSF250W230V	250W	230V	122mm	60mm
72-HSF325W230V	325W	230V	122mm	60mm
72-HSF400W200V	400W	200V	122mm	60mm
72-HSF500W230V	500W	230V	122mm	60mm

72-QSF (Quarter Size Flat)

Article number	Power	Supply	Length X	Width Y
72-QSF50W230V	50W	230V	60mm	60mm
72-QSF75W230V	75W	230V	60mm	60mm
72-QSF150W230V	150W	230V	60mm	60mm
72-QSF165W240V	165W	240V	60mm	60mm
72-QSF250W120V	250W	120V	60mm	60mm
72-QSF250W230V	250W	230V	60mm	60mm

72-FSF (Full Size Flat)

Article number	Power	Supply	Length X	Width Y
72-FSF125W115V	125W	115V	245mm	60mm
72-FSF125W230V	125W	230V	245mm	60mm
72-FSF150W110V	150W	110V	245mm	60mm

72-FSF150W230V	150W	230V	245mm	60mm
72-FSF150W400V	150W	400V	245mm	60mm
72-FSF200W115V	200W	115V	245mm	60mm
72-FSF200W230V	200W	230V	245mm	60mm
72-FSF200W400V	200W	400V	245mm	60mm
72-FSF250W110V	250W	110V	245mm	60mm
72-FSF250W230V	250W	230V	245mm	60mm
72-FSF250W400V	250W	400V	245mm	60mm
72-FSF300W110V	300W	110V	245mm	60mm
72-FSF300W230V	300W	230V	245mm	60mm
72-FSF300W400V	300W	400V	245mm	60mm
72-FSF350W110V	350W	110V	245mm	60mm
72-FSF350W230V	350W	230V	245mm	60mm
72-FSF400W230V	400W	230V	245mm	60mm
72-FSF500W230V	500W	230V	245mm	60mm
72-FSF650W230V	650W	230V	245mm	60mm
72-FSF750W230V	750W	230V	245mm	60mm
72-FSF1000W230V	1000W	230V	245mm	60mm

Curved ceramic elements

Power	125W	150W	200W	250W	325W	375W	400W	500W	1000W
Mean surface temp.	340°C	370°C	420°C	450°C	520°C	540°C	570°C	600°C	600°C
Top wavelength	4.7µm	4.5µm	4.1µm	4.0µm	3.6µm	3.5µm	3.4µm	3.3µm	3.3µm

72-HSC (Half Size Curved)

Article number	Power	Supply	Length X	Width Y
72-HSC125W230V	125W	230V	122mm	60mm
72-HSC150W230V	150W	230V	122mm	60mm
72-HSC200W230V	200W	230V	122mm	60mm
72-HSC250W230V	250W	230V	122mm	60mm
72-HSC300W230V	300W	230V	122mm	60mm
72-HSC325W230V	325W	230V	122mm	60mm
72-HSC350W230V	350W	230V	122mm	60mm
72-HSC375W230V	375W	230V	122mm	60mm
72-HSC400W230V	400W	230V	122mm	60mm
72-HSC500W230V	500W	230V	122mm	60mm

72-LSC (Large Size Curved)

Article number	Power	Supply	Length X	Width Y
72-LSC1500W230V	1500W	230V	250mm	95mm

72-FSC (Full Size Curved)

Article number	Power	Supply	Length X	Width Y
72-FSC150W230V	150W	230V	245mm	60mm
72-FSC200W120V	200W	120V	245mm	60mm
72-FSC200W230V	200W	230V	245mm	60mm
72-FSC250W230V	250W	230V	245mm	60mm
72-FSC300W110V	300W	110V	245mm	60mm
72-FSC300W230V	300W	230V	245mm	60mm
72-FSC350W230V	350W	230V	245mm	60mm
72-FSC400W230V	400W	230V	245mm	60mm
72-FSC450W230V	450W	230V	245mm	60mm
72-FSC500W110V	500W	110V	245mm	60mm
72-FSC500W230V	500W	230V	245mm	60mm
72-FSC650W230V	650W	230V	245mm	60mm
72-FSC750W230V	750W	230V	245mm	60mm
72-FSC800W230V	800W	230V	245mm	60mm
72-FSC1000W230V	1000W	230V	245mm	60mm

Insulated ceramic heaters

Power	125W	150W	200W	250W	325W	375W	400W	500W	1000W
Mean surface temp.	340°C	370°C	420°C	450°C	520°C	540°C	570°C	600°C	600°C
Top wavelength	4.7µm	4.5µm	4.1µm	4.0µm	3.6µm	3.5µm	3.4µm	3.3µm	3.3µm

72-HTS (Hollow)

Article	Power	Supply	Length X	Width Y
72-HTS/1-400W230V	400W	230V	245mm	60mm
72-HTS/1-600W230V	600W	230V	245mm	60mm
72-HTS/1-800W230V	800W	230V	245mm	60mm
72-HTS/1-1000W230V	1000W	230V	245mm	60mm
72-HTS/2-125W230V	125W	230V	122mm	60mm

Ceramic lamps type conical

Power	60W	100W	150W
Mean surface temp.	290°C	380°C	420°C
Wavelength	3-10µm		

72-SFL (E27 fitting)

Article number	Power	Supply	Diam. X	Heigth Y	Heigth Z
72-SFL/1-60W230V	60W	230V	85mm	100mm	65mm
72-SFL/1-100W230V	100W	230V	85mm	100mm	65mm
72-SFL/1-150W230V	150W	230V	85mm	100mm	65mm
72-SFL/2-150W230V	150W	230V	100mm	140mm	75mm

Ceramic lamps type mushroom

Power	60W	75W	100W	150W	250W
Mean surface temp.	200°C	235°C	275°C	230°C	300°C
Top wavelength	6.1µm	5.7µm	5.3µm	5.7µm	5.0µm

72-SFSL (E27 fitting)

Article number	Power	Supply	Diam. X	Height Y
72-RSFL60W230V	60W	230V	75mm	105mm
72-RSFL75W230V	75W	230V	75mm	105mm
72-RSFL100W230V	100W	230V	90mm	110mm
72-RSFL150W230V	150W	230V	90mm	110mm
72-RSFL250W230V	250W	230V	100mm	140mm



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