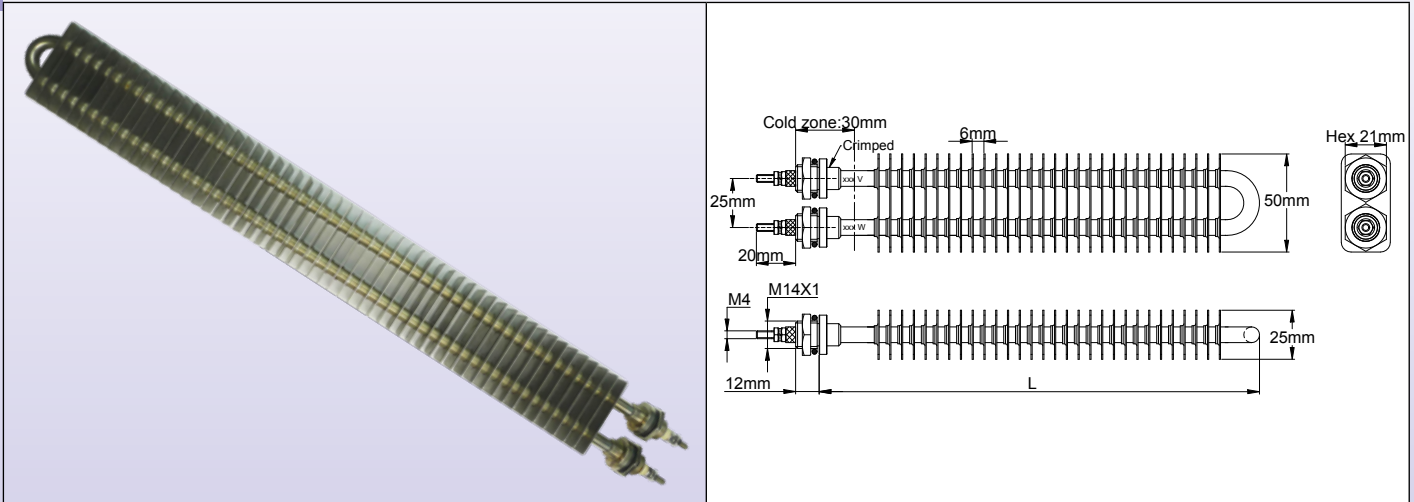


Air heating elements for incorporation



Finned tubular heaters, for incorporation, with M12 threaded fitting, load 3W/cm² and 4.5W/cm², for convection heaters or fan heaters

Type 9SX



Description

These U shape finned sheathed heaters, designed for professional OEM are crimped on a light stainless steel flange, and are easy to integrate through metal wall. They have an exceptional insulation resistance and outstanding humidity resistance. They are designed for heating of air by natural convection or fan.

Main Features

Heating element material: 8mm dia. 304L stainless steel sheath. Optional: SS 201, 316, 321, or Incolloy 800.

Fins size: 25 × 50 mm, 25 mm distance between tube axis.

Fins material: SS304 (Zinc plated steel fins on request, MOQ apply)

Connection: M4 stainless steel terminal screws with stainless steel M4 nuts and stainless washer, ceramic bead output.

Fittings: Crimped, M14x1mm thread, in 304SS, with nickel plated brass nuts and fiber gaskets. Waterproof version with TIG welded fittings or economical version with nickel plated steel fittings are available on request (MOQ apply)

Insulation resistance: > 3 GOhms (new), and > 1 GOhms (after following climatic test):

1000 hours at 100°C followed by 1000 hours at 60°C and 95% relative humidity, followed by 90 cycles of one hour from -20°C to +70°C, followed by 240 hours at -30°C.

Dielectric strength: > 1800 volts, 0.2mA (100% tested in production) and after climatic tests carried out by sampling.

Surface load:

For safe use, we recommend a maximum surface load of 3 W/cm² (19.5 W/in²) for applications in natural convection (heating element surface temperature ~ 300°C), and 4.5 W/cm² (30W/in²) for applications in fan heating (heating element surface temperature ~ 300°C for an air velocity ~ 2.5m/s).

See P11 of section 2 of this catalog tables providing surface temperatures and air temperature vs load with and without fans

Voltage: 230V. Other values on request

Tolerances on power: +5/-10%

Options: Other surface load, other lengths, metal or plastic junction box, wall mounting legs, nickel or zinc plated fins, or SS201 fins

Main references

3W/cm ² (19.5W/in ²)			3W/cm ² (19.5W/in ²)		
References	Length L (mm)	Power (W)	References	Length L (mm)	Power (W)
9SXC175A232103C3	175	210	9SXC175A233103C3	175	310
9SXC300A2324003C3	300	400	9SXC300A236003C3	300	600
9SXC415A233503C3	415	550	9SXC415A238503C3	415	850
9SXC500A237003C3	500	700	9SXC500A23A053C3	500	1050
9SXC750A23A073C3	750	1070	9SXC750A23A603C3	750	1600
9SXCA00A23A503C3	1000	1500	9SXCA00A23B203C3	1000	2200