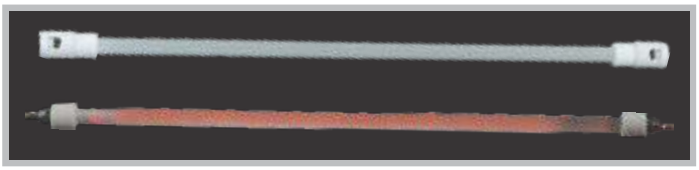
# ALFA HEATERS AND CONTROLLERS - F.Z.E

*Pioneers in Heating Solutions*

# MEDIUM WAVE INFRARED HEATERS

## MEDIUM WAVE QUARTZ INFRARED HEATERS

Quartz Heaters consist of a helically wound resistance coil housed in a pure vitreous silica fused quartz tube. The Quartz tubing is terminated with specially designed ceramic insulating caps which are securely fastened to the quartz tube with high temperature cement providing excellent support to the power connecting termination. Quartz Heaters are designed to be used in a horizontal position only. Quartz Heaters are available in various diameters like 8, 10, 12, 15, 19mm and length from 300 to 1500mm.



### APPLICATIONS:

MEDIUM WAVE IR HEATERS - in Textile Industry, Printing Ink Curing Modules, Heating IR Tunnel Systems, Drying of IR Conveyor Food Industry Products, WAP Dryer Modules, Automobile Industry, Paint shops, Curing, Heater Dryer Systems and many more.

### FEATURES:

- Quartz Infrared Heater is available in diameters of 8, 10, 12, 15 and 19mm
- Available in lengths from 300mm to 1500mm
- Can be used only in horizontal position
- Fitted with specially designed heating coil to ensure longer life
- Least maintenance required

## SINGLE / TWIN TUBE QUARTZ IR EMITTERS WITH GOLD COATING

Gold plating is done on quartz tube over 180°. These heaters reflect the radiant energy through the opening area only, improving element efficiency by as much as 20% compare to without gold plating heater. Energy cost savings are realized. Reflectors are often not needed. Surrounding work area temperatures are cooler. These heaters are also available with and without gold plating.

## MW QUARTZ IR HEATING MODULES

A resistance wire is enclosed in a small diameter quartz tube running parallel to each other and mounted in a special housing. The two sizes are designed to be installed in the same dimensional spacing as the ceramic infrared elements. IR heating modules half are available in different wattages from 125 to 650 watt and IR heating modules full are available from 250 to 1000 watt.

### FEATURES:

- Good radiant efficiency up to 80%
- Very rapid Heat-up, Cool-down time 30 to 60 seconds
- Watt density up to 40 watts / sq. inch
- Infrared wavelength range from 2.5 to 3.0m µm
- Low power consumption

### APPLICATIONS:

- Thermo forming
- Plastic forming
- Shrink packaging tunnels
- Laminating
- Curing rubber
- Drying textiles
- Drying lacquers and paints

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