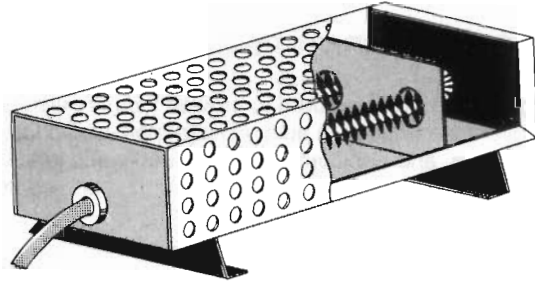


# HELIOS UNITS

## CONVECTION HEATERS

Helios provides an answer to the need for a safe, robust and economical heater ideal for office, hospital or general use, by means of a convection heater giving even temperature distribution, no radiant hot spots, just gentle comfort by natural circulation of warm air.

The units are of a steel construction with a finned tubular heater of low sheath temperature combining to give a robust and safe floor or wall mounted unit approved by the S.E.C. (cert. of approval No. V-BIF-CHIO).



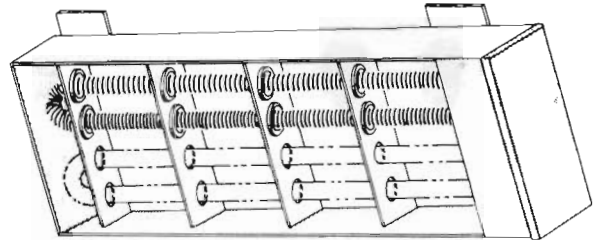
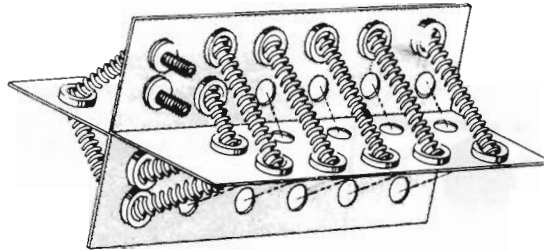
### Standard units

CH5	240v	450w	460 long
CH7	240v	675w	610 long
CH10	240v	900w	760 long

## OPEN COIL HEATERS (Radiant and Air Applications)

Open coil type heaters consist of a nickel-chromium spiralled resistance wire mounted into, and insulated from a metal frame, by high temperature ceramic bushes. The rating of this wire will depend upon application i.e. Black heat for ducted air heating and red heat for a radiant application.

This type of construction gives a source of heat with accurate temperature control. There is no tendency to overshoot or undershoot because of the low mass of the heating spiral which heats rapidly when the circuit is made and cools quickly when the circuit is broken.



### APPLICATION

Natural or forced convection space heating and for industrial process air heating.

Radiant Heating - Baking, Curing, Drying etc.

As all applications of open coil heaters require custom-built units please consult Helios Engineers for further details of design and construction.

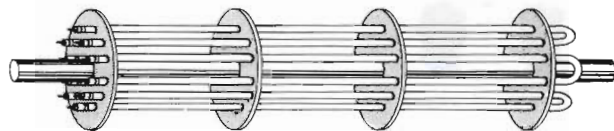
## ROLLER HEATING UNITS

Helios manufacture roller heating units to suit most roller applications in two main types with selection depending upon application and installation.

### BOBBIN TYPE

A stainless steel tube supporting refractory bobbins wound with nickel chrome resistance wire.

See page 10 for details on bobbin heater construction.



### TUBULAR TYPE

Tubular type metal sheathed supported in a frame work. See page 6 for details on tubular heater construction.

Both types offer ease of installation and are designed to ensure even heating over roller surface, in textile and printing trades, paper manufacture, and processes involving pressing and sealing etc.

Consult Helios engineers for the best method of heating your roller application.