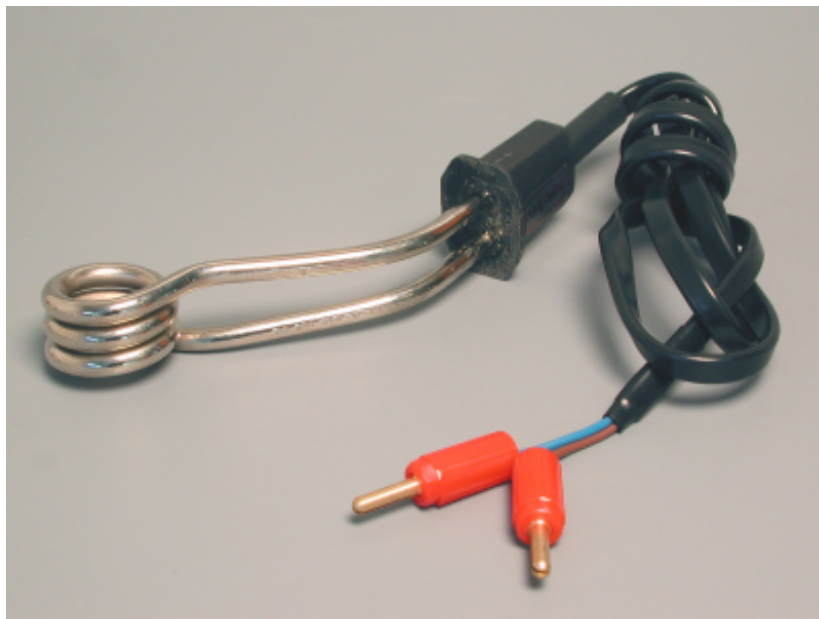


# HEATING COIL

## Description D018

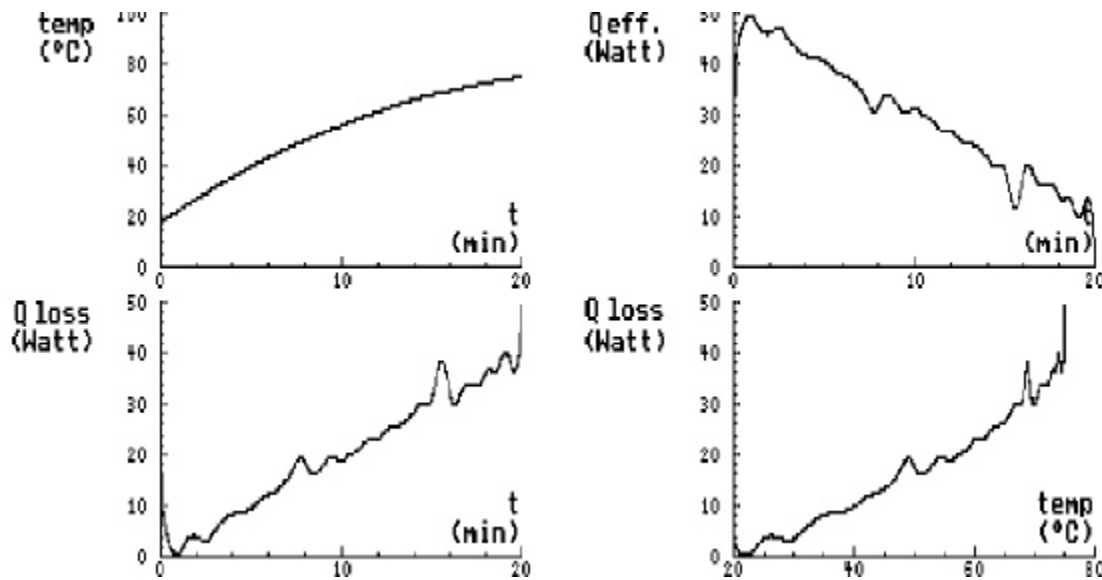


**Figure 1.** The heating coil

**Short description.**

The heating coil has been developed to serve as an actuator in control systems. The coil is provided with 4 mm plugs and so can simply be connected to other articles of CMA. The name of the heating coil in the actuator library of Coach 5 program is **Heating element (CMA)**.

The heating coil has to be supplied with 24 volt or less and this should only be done if the iron coil is completely in the fluid.



**Figure 2.** Heating of 150 ml water by means of the heating coil.

Elucidation: In the program Processing the derivative graph has been calculated, after having filtered the data. The electric power and the heat dissipation has been calculated afterwards, see the graphs of figure 2.

**Technical data**

Supply Power	24 volt (or less) 48 watt
Coil Isolation Cable/leads Total	Length = 10 cm; Diameter = 2.7 cm Length = 3.5 cm Length = 85 cm Length = 104 cm; Mass = 72 gram
Connections	two 4 mm plugs for supply

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