Ceramic Infrared Rod Radiators IRS/K

Figure 1: Elstein IRS/K series

Elstein IRS/K rod radiators are ceramic infrared radiators, which are available in different lengths of up to 300 mm and surface ratings of up to 75 kW/m².

Unlike the IRS series radiators, which have the leads running through the mounting sockets on each side, the leads of IRS/K series lie only on one side (see figure 1).

Thus IRS/K radiators make the heating of the interior of hollow bodies like tubes or bottles possible.

Linear heating tasks that need one-sided leads can be solved, too.

If required IRS/K rod radiators are available with double sided leads.

Elstein IRS/K rod radiators cover the power range from 125 W to 750 W.

IRS/K

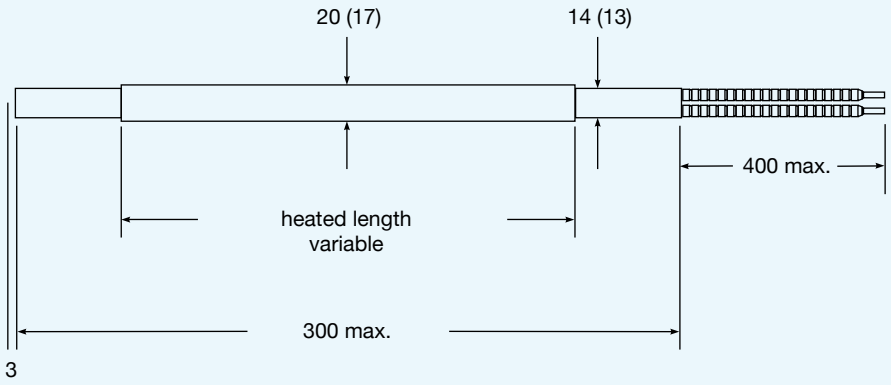

Figure 2: Mounting dimensions and radiator dimensions ( ) in mm

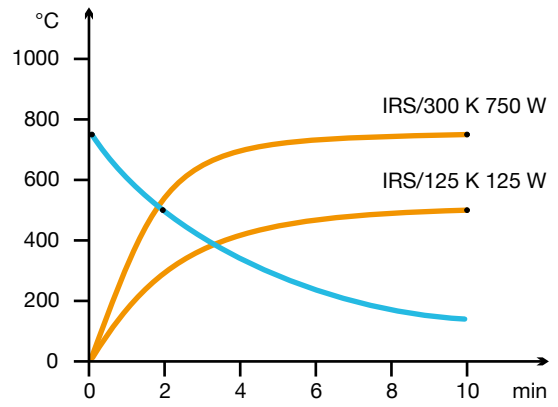

Fig. 3: Radiator temperatures
Heating-up: red curves
Cooling-down: blue curve

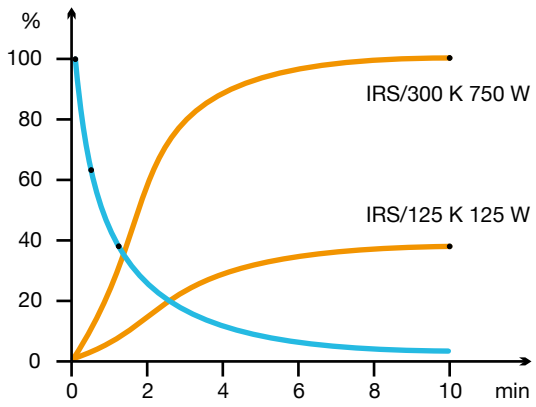

Fig. 4: Radiant powers
Heating-up: red curves
Cooling-down: blue curve

Type, weight, wattage	IRS/300 K, 300 mm 100 g	300	to	750	W
	to				
	IRS/125 K, 125 mm 40 g	125	to	300	W
Surface rating		30.0	to	75.0	kW/m²
Typical operating temperature		400	to	700	°C
Maximum permissible temperature		750		750	°C
Wavelength range		2 - 10			µm

Standard design	**Thermocouple radiators**	**Variants**
Operating voltage 230 V White glaze Single sided leads Leads up to 400 mm Rod heated completely or partly	Designation T-IRS/***K Integrated thermocouple Type K (NiCr-Ni) TC leads up to 400 mm *** Length specification (e. g. T-IRS/125 K 300 W 230 V)	Special lengths Special wattages Special voltages Extended leads Double sided leads Leads with ring terminals

The power can be controlled using thermocouple radiators together with TRD 1 temperature controllers, TSE thyristor switching units and other accessories.

The national safety regulations must be complied with for the respective application, for example, the IEC or EN standard 60519-1, Safety in electrical heating installations.

Our instructions for mounting, operation and safety must be observed.