



Fig. 71: Elstein construction set REF/250 with SHTS/1 (Top)
Elstein construction set REF/125 with SHTS/2 (Down)

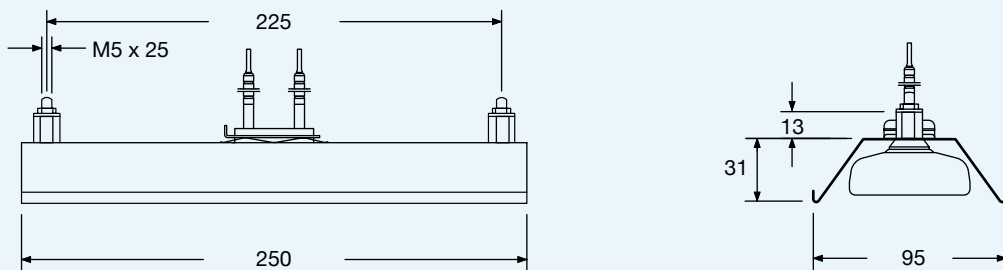
By quoting the REF/250 or REF/125 construction set designations and the radiator type required, the REO/250 and REO/125 reflectors are available fitted with the FSR, FSM, HFS, HSR, HTS and SHTS series ceramic infrared panel radiators.

The REO reflectors are made from polished stainless steel. They are used to hold and fix panel radiators with the dimensions 245 mm x 60 mm (Figure 73) and 122 mm x 60 mm (Figure 74) as well as for reflecting the IR radiation in the direction of the material to be heated.

The REF system can be used to assemble IR radiation areas with any geometry. When building heating areas or plants a closed wiring space has to be considered for the electrical connections of the REF system.

The Elstein range of products includes the EBF construction elements and the BSI construction panels as fitted heating area solution, in which the electrical connections are situated in a housing.

REF/250



REF/125

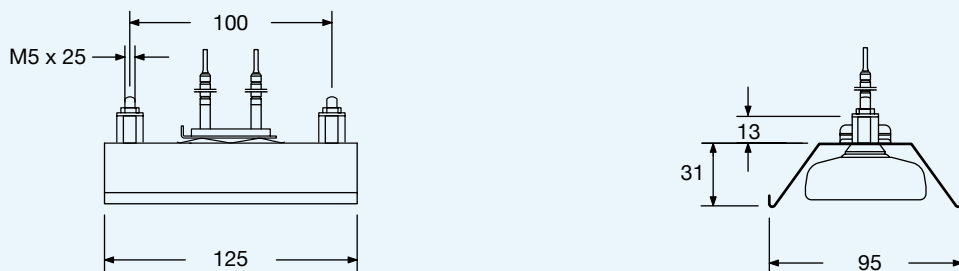


Figure 72: Mounting dimensions and REF dimensions () in mm

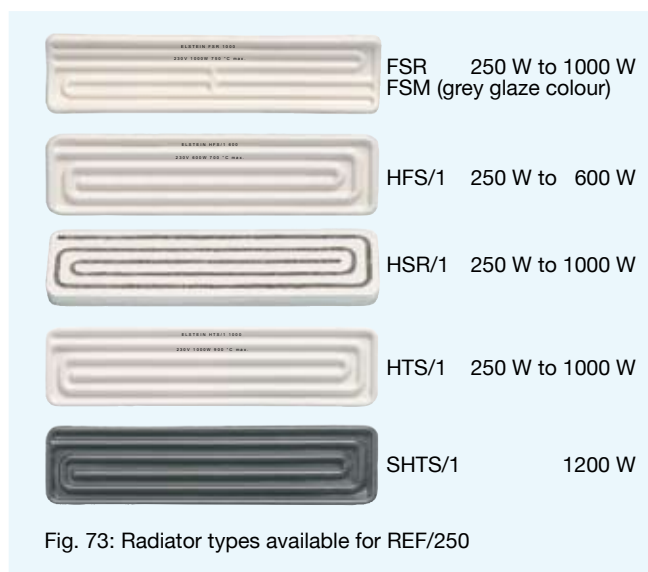


Fig. 73: Radiator types available for REF/250



Fig. 74: Radiator types available for REF/125

Reflector and radiator type	REF/250, equipped with...						
	FSM	FSR	HFS/1	HSR/1	HTS/1	SHTS/1	
	REF/125, equipped with...						
	FSM/2	FSR/2	HFS/2	HSR/2	HTS/2	SHTS/2	
Maximum possible surface rating	40.0	40.0	24.0	40.0	40.0	48.0	kW/m ²
Maximum possible typical operating temperature	720	720	630	860	860	860	°C
Maximum permissible temperature	750	750	700	900	900	900	°C
Wavelength range	2 - 10						µm

Standard design	Thermocouple radiators	Variants
<p>Reflector made from polished stainless steel with two M5 x 20 fixing screws, spacer bolts and M5 nuts (fitted)</p> <p>Ceramic infrared radiator, fixed to the reflector</p>	<p>Available for all above-mentioned radiator types.</p> <p>Designation REF/... with T-...</p> <p>For example: REF/250 with T-HTS/1 250 W 230 V</p>	<p>Special wattages</p> <p>Special voltages</p> <p>Extended leads</p> <p>Leads with ring terminals</p>

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.