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ELSTEIN

IRE- 070.32E



RFS ROUND PANEL RADIATOR

Elstein RFS round panel radiators are ceramic infrared radiators with round design and can be used for operating temperatures up to 700 °C and surface ratings up to 46 kW/m².

Radiators of the RFS series are used in small thermoform devices of dental technique for example. Such devices are used for manufacturing dental prostheses.

The round design enables additionally an optimal heating of corresponding materials to be heated like the bottom of bottles.

Radiators of the RFS series are available in two sizes: RFS/100 with a diameter of 100 mm and RFS/125 with 125 mm.

Elstein RFS series radiators cover the power range of 150 W to 500 W with these two designs.



| Type, weight, wattage 230V | RFS /100 Ø 100 mm 145g | 150 | 250 | 400 | | | W |
|---------------------------------|------------------------|--------|------|------|------|------|-----|
| | RFS /125 Ø 125 mm 175g | | | | 250 | 500 | W |
| Surface rating | | 17,3 | 28,9 | 46,2 | 18,8 | 37,6 | kW |
| Typical operating temperature | | 300 | 430 | 610 | 330 | 550 | ° C |
| Maximum permissible temperature | | 700 | 700 | 700 | 700 | 700 | ° C |
| Wavelength range | | 2 - 10 | | | | | µm |

| Standard design | Thermocouple radiators | Variants |
|---|--|---|
| Operating voltage 230 V Ceramic full-pour casting White glaze Leads 85 mm Elstein standard socket Mounting set | Designation T-RFS/100, T-RFS/125 Integrated thermocouple Type K (NiCr-Ni) TC leads 100 mm | Special wattages Special voltages Extended leads Leads with ring terminals |

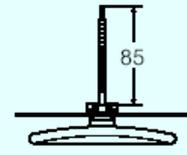
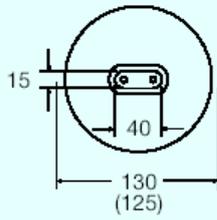
The power can be controlled using thermocouple radiators together with TRD 1 temperature controllers, TSE thyristor switching units and other accessories.

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.

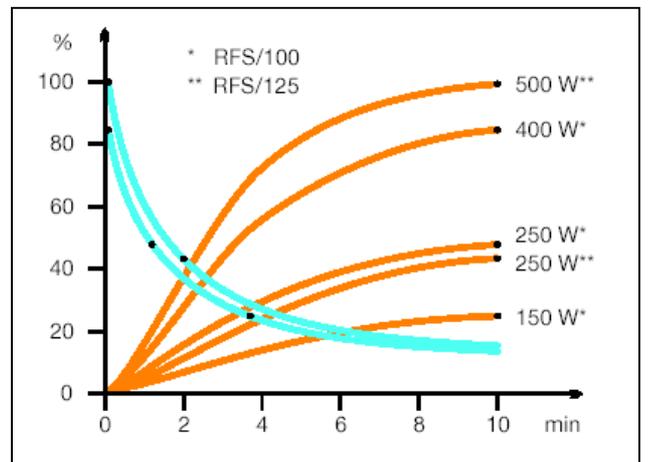
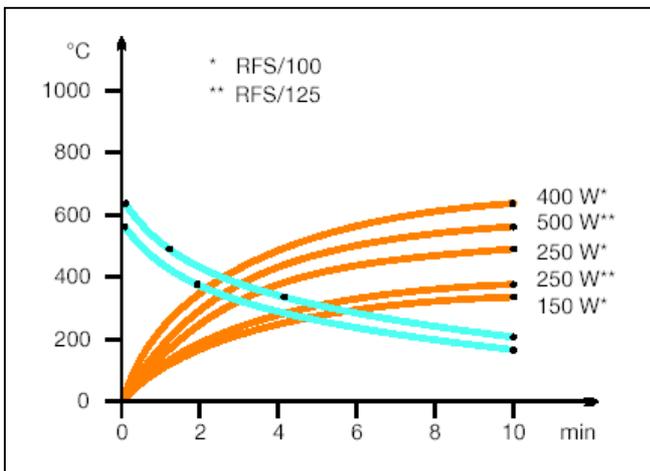
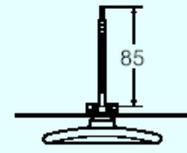
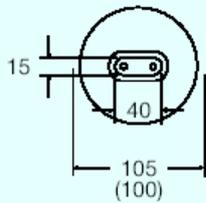
Our instructions for mounting, operation and safety must be observed.

RFS MOUNTING DIMENSIONS AND RADIATOR DIMENSIONS () IN MM

RFS/125



RFS/100



Radiator temperatures

Heating-up: red curves
Cooling-down: blue curve

Radiant powers

Heating-up: red curves
Cooling-down: blue curve