

CRN TECNOPART, S.A.

Sant Roc 30 08340 VILASSAR DE MAR (Barcelona) Tel 902 404 748 - 937 591 484 Fax 937 591 547 e-mail:crn@crntp.com http://www.crntecnopart.com **ELSTEIN**

IRE-070.10E



ELSTEIN FSF PANEL RADIATORS ARE CERAMIC INFRARED RADIATORS WITH A LOW OVERALL HEIGHT

Elstein FSF panel radiators, are ceramic infrared radiators with a low overall height. They are produced using a full-pour casting ceramic process and are designed for operating temperatures up to 750 °C and surface ratings up to 64 kW/m².Compared to other

Elstein panel radiators, the overall height of the FSF radiators, measured from the radia-tion surface up to the mounting plate, has been reduced by approximately 45%.

FSF series radiators can be used universally. The low overall height of the radiators enables space-saving installation, for example, which may be required to retrofit machines.

FSF radiators are available in four designs and cover the power range from 60 W to 1000 W.

Elstein FSF panel radiators have the customary market dimensions and can therefore be replaced with radiators with corresponding properties if the requirements change.



	Type, weight, wattage	FSF	122 x 122 mm	250	400	600	800	1000	W
		FSR	245 x 60 mm.	250	400	600	800	1000	W
		FSR/2	122 x 60 mm.	125	200	300	400	500	W
		FSR/4	60 x 60 mm.	60	100	150	200	250	W
	Surface rating Typical operating temperature Maximum permisible temperature			16	25,6	38,4	51,2	64	kW
				400	500	590	670	720	° C
				750	750	750	750	750	° C
	Wavelength range			2 - 10					μm

Standard design

Operating voltage 230 V Ceramic full-pour casting Leads 85 mm Elstein standard socket Mounting set

Thermocouple radiator

Integrated thermocouple Type K (NiCr-Ni) Designation T-FSF, T-FSF/1, T-FSF/2, T-FSF/4 TC leads 100 mm

Variants

Special wattages Special voltages Extended leads Live leads with ring terminals

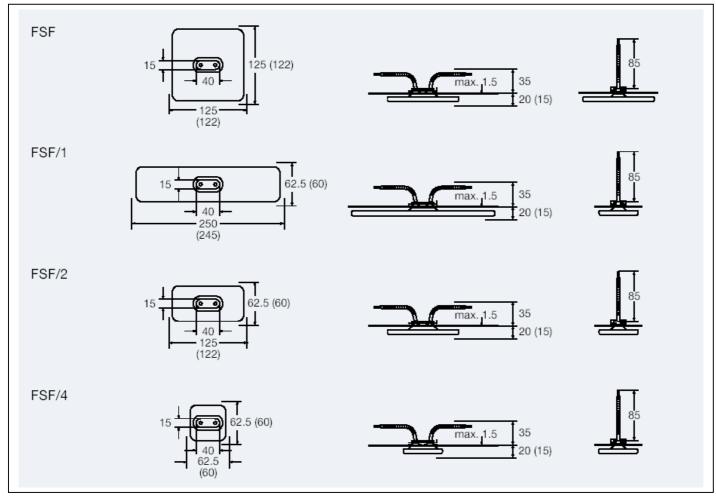
The power can be controlled using thermocouple radiators together with TRD temperature controllers, TSE thyristor switching units and other accessories.

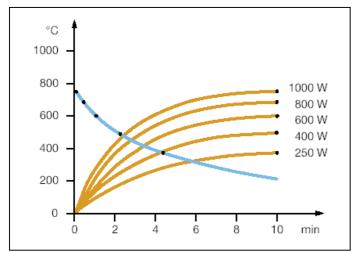
IR radiation areas can be assembled using MBO mounting sheets.

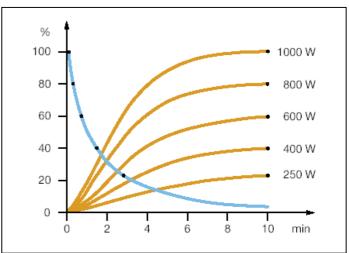
The national safety regulations must be complied with for the respective application, for example, the IEC or EN standard 60519-1, Safety in electrical heating installations.

Further information and safety information are given in the mounting instruction enclosed with each radiator.

Mounting dimensions and radiator dimensions () in mm







Radiator temperatures

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

Radiant powers

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