

Infrared radiators FSR, HTS, IOT, SHTS, QP-1/QP-2

Technical description

Characteristic
– material: refractory ceramics with enamel coating ceramic
– quartz tubes with resistance wire
– KANTHAL spiral material
– use of the phenomenon of temperature radiation in the range of 2 μm to 10 μm for ceramic radiators and 1.3 μm to 3 μm for quartz radiators
– achievement max. power 30 s after switching on
– high corrosion tolerance
– possibility of installing an additional sensor
– low temperature interia
Application
Infrared radiators are used in:
– plastic industry
– food industry
– paper and textile industry
– medical technology
– surface technology



Type	Power [W]								
QP-1, QP-2	100	150	200	250	300	400	500	650	1000
QP-½	50	75	100	125	150	200	250	325	500
QP-¼	25	38	50	63	75	100	125	163	250

Type	FSR				FSR/2				FSR/4			
Dimensions [mm]	245x60				122x60				60x60			
Power of element [W]	250	400	650	1000	125	200	325	500	60	100	200	250
Operating temp. [°C]	400	500	620	730	400	500	620	730	400	500	620	730
Max. op. temp. [°C]	550	600	700	750	550	600	700	750	550	600	700	750
Max. surface loading [W/cm²]	1,6	2,56	4,16	6,4	1,6	2,56	4,16	6,4	1,6	2,56	4,16	6,4

Type	HTS HTS/1					HTS/2					HTS/4				
Dimensions [mm]	122x122 122x60					122x60					60x60				
Power of element [W]	250	400	600	800	1000	125	200	300	400	500	60	100	150	200	250
Operating temp. [°C]	450	570	700	810	900	450	570	700	810	900	450	570	700	810	900
Max. op. temp. [°C]	700	750	800	850	900	700	750	800	850	900	700	750	800	850	900
Max. surface loading [W/cm²]	1,6	2,56	3,84	5,12	6,4	1,6	2,56	3,84	5,12	6,4	1,6	2,56	3,84	5,12	6,4

Ordering code

Infrared radiator	
Type:	standard 750 °C insulated 900 °C with bulb thread 530 °C with increased load capacity up to 77 kW/m² quartz heaters					
Length* [mm]						
Width* [mm]						
Power* [W]						

FSR
 HTS
 IOT
 SHTS
 QP-1/QP-2..

* Acc. to requirements

Ordering example

Infrared radiator FSR-245-60-400W