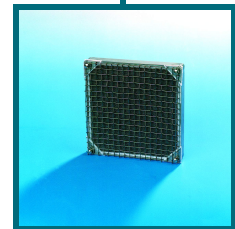


Gas Infrared Emitter

ECO-S 150.150

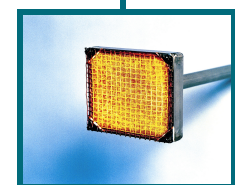
Features

When it comes to controllability of combustion & processes and to lower emissions, ceramic foam burners offer unprecedented advantages: excellent control of heat into process by using the high radiation efficiency, excellent control of combustion parameters and the ability to withstand extremely high temperatures on burner surface due to its superior temperature expansion characteristics.



Application notes

- Emitter can be used with various qualities of fuel
- Emitter can be mounted in every direction
- To avoid overheating between 2 opposite burner heads the distance should be minimum 150 mm
- Fuel air mixture recommendable created by a fan forced system or atmospherically with a gas pressure above 100 mbar
- Emitter can be used in process temperature environments up to 400°C
- Good resistance against thermo and mechanical shock



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Gas Infrared Emitter

Specifications

ECO-S 150.150

Burner Capacity

Minimum: 2,0 kW
Maximum: 12,0 kW

Fuels

Natural gas
LPG
Other on request

Temperatures

Maximum process temperature 400°C
Maximum burner surface temperature 1150°C

Materials

Housing and connection Stainless Steel
Burner Surface Mullite
Sealing Ceramic fibre

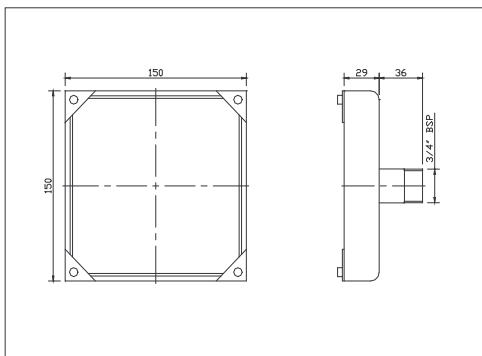
Weight

Approximately 1,0 kg

Lifetime

> 500.000 cycles

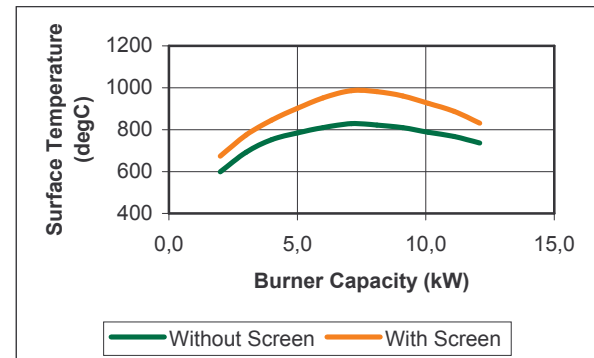
Dimensions in mm



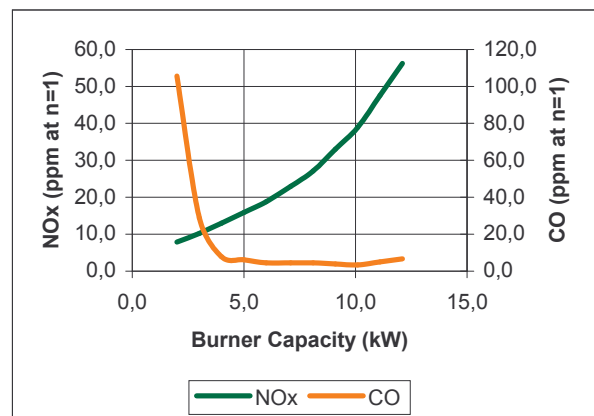
Performance

Modulation bandwidth in infra red
Min : Max = 1 : 3,5
Emissivity of burner surface 85%
Excess air ratio $1,0 < \lambda < 1,6$

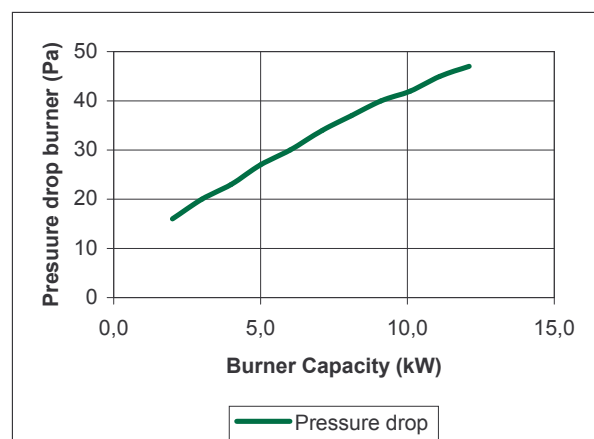
Surface temperature



Emissions



Pressure drop



Data are measured with high caloric natural gas and excess air ratio of 1,1

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