

Self recuperative ceramic burner for radiant tube and direct heating

gross capacity (based on lower heating value)

nominal (standard): 270,000 BTU/hr (80kW)

min./max. capacity (opt.): 170,000 / 340,000 BTU/hr (50kW / 100 kW)

fuel

natural gas (standard): natural gas, methane

Other (option): propane, butane und other dust-free non aggressive clean gases

supply pressure

fuel: 6000 Pa (60 mbar), ± 5%

combustion air: 8000 Pa (80 mbar), ± 5%

max. furnace temperatures

direct firing : 2350°F (1300°C)

indirect heating: 2250°F (1250°C)

flame safety

ionisation (standard): one electrode for ignition and ionisation each

UV-cell (option): the burner is prepared to accept a UV-cell

combustion mode:

FLOX®/Flame (stand.): above approx. 1562°F (850°C) in FLOX® mode

FLOX® (option): FLOX® mode above 1562°F (850°C)

Flame (option): air staged high velocity

burner control

on / off

recuperator

pointed (standard): fitting length 20" (500mm)

pointed (option): fitting length 24" (600mm)

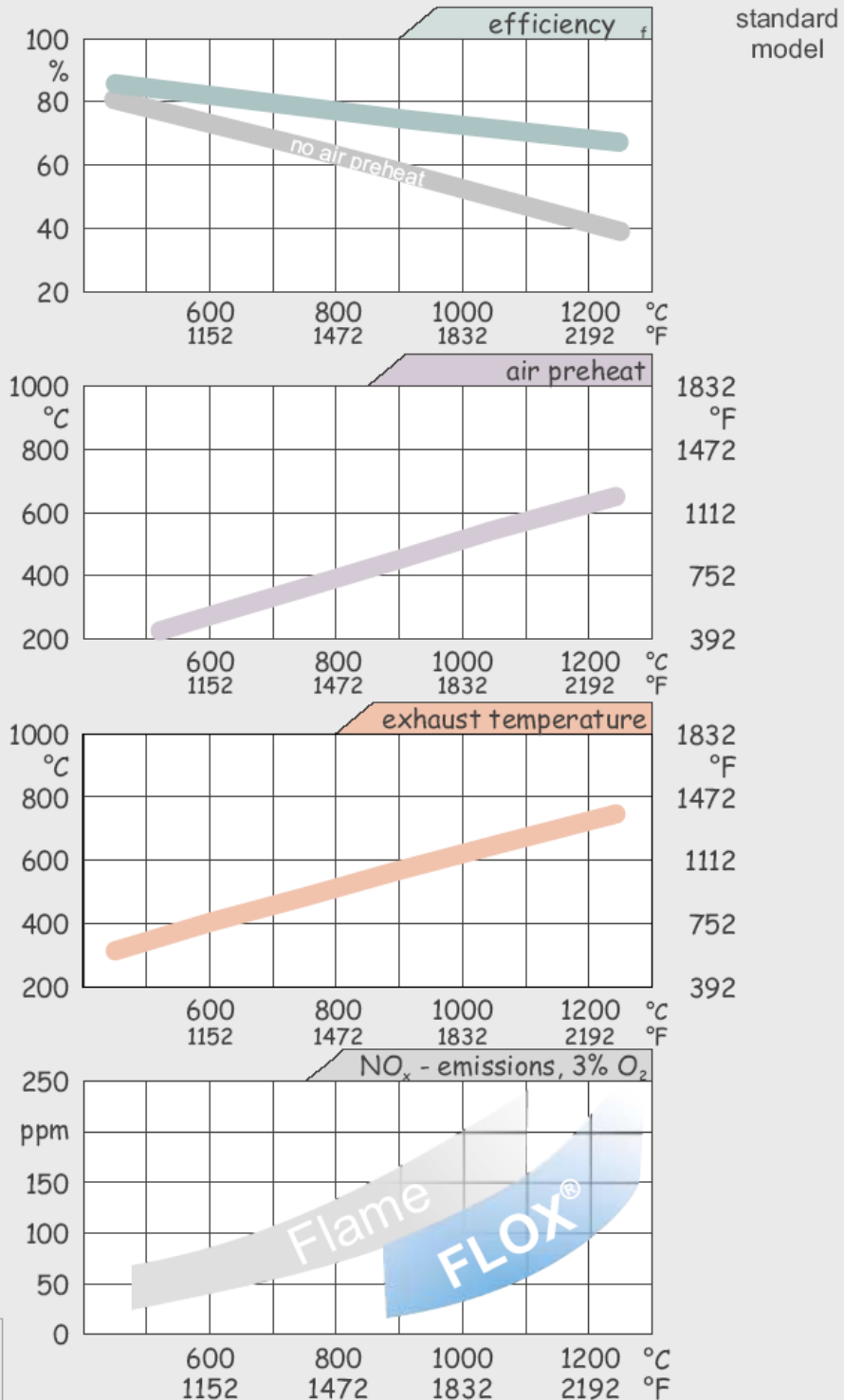


customization is possible

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Please see our general remarks about technical data.



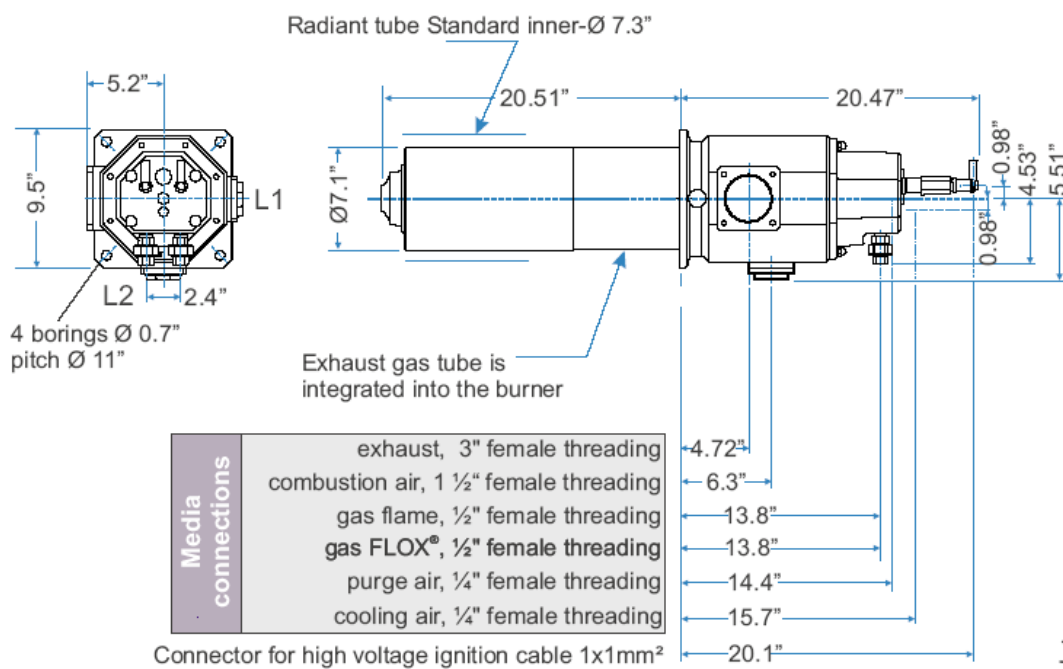
Please see our general remarks regarding the efficiency and emission diagrams



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Exhaust gas temp. at the recuperator entry

Self recuperative ceramic burner REKUMAT®CX 200



Possible orientation for media connections

The media connections for:

- exhaust gas, combustion air L1 or L2
- gas, purge air, cooling air

may be rotated in 90° intervals to achieve the desired orientation.



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