

Title (en)
A radiant tube burner

Title (de)
Strahlrohrbrenner

Title (fr)
Brûleur à tube rayonnant

Publication
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Application
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Abstract (en)
A radiant tube burner (10) comprising a burner tube, a fuel inlet (18) arranged to receive fuel from a supply (16) and to supply fuel to the burner, an air inlet for receiving combustion air, a mixing chamber (30) and a burner head (32), the fuel inlet being arranged to supply fuel to the mixing chamber upstream of the burner head and the air inlet comprising primary air inlet means (22) for providing a turbulent air flow into the mixing chamber upstream of the burner head and secondary air inlet (24) means for providing a substantially non-turbulent air flow downstream of the burner head. A method of operating a radiant tube burner, the burner comprising a fuel supply, an air inlet, a fuel air mixing chamber and a burner head, the method comprising the steps of supplying fuel to the mixing chamber, providing a primary turbulent air flow to the mixing chamber to mix fuel and air, burning the fuel/air mixture at the burner head and providing a secondary substantially non-turbulent air flow downstream of the burner head. <IMAGE>

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