CLAIMS

1. A radiant burner (8) for treating an effluent gas stream from a manufacturing process tool, said radiant burner comprising:

an inlet (10) for receiving said effluent gas stream,

a sintered metal fibre sleeve (20) through which, in use, combustion materials pass for combustion proximate to an inner combustion surface (21) of said sintered metal fibre sleeve for combustion within a combustion chamber (14) ; the radiant burner being characterized in a ceramic fibre blanket insulating sleeve (130) surrounding said sintered metal fibre sleeve and through which, in use, said combustion materials pass.

2. The radiant burner of claim 1, wherein said sintered metal fibre sleeve has at least one of a porosity of 80-90%, an air permeability of 9000-18000$cm^3/s/cm^2$ (150-300 $cc/min/cm^2$) and a density of 690-1110 kg/m^3.

3. The radiant burner of any preceding claim, wherein said insulating sleeve has a density of 100-150 Kg/m^3.

4. The radiant burner of any preceding claim, wherein said sintered metal fibre sleeve is retained concentrically within said insulating sleeve.

5. The radiant burner of any preceding claim, comprising a support operable to retain said sintered metal fibre sleeve and said insulating sleeve.

6. The radiant burner of claim 5, wherein said insulating sleeve is retained concentrically within said support.

7. The radiant burner of any preceding claim, wherein said sintered metal fibre sleeve comprises a pleat extending circumferentially.