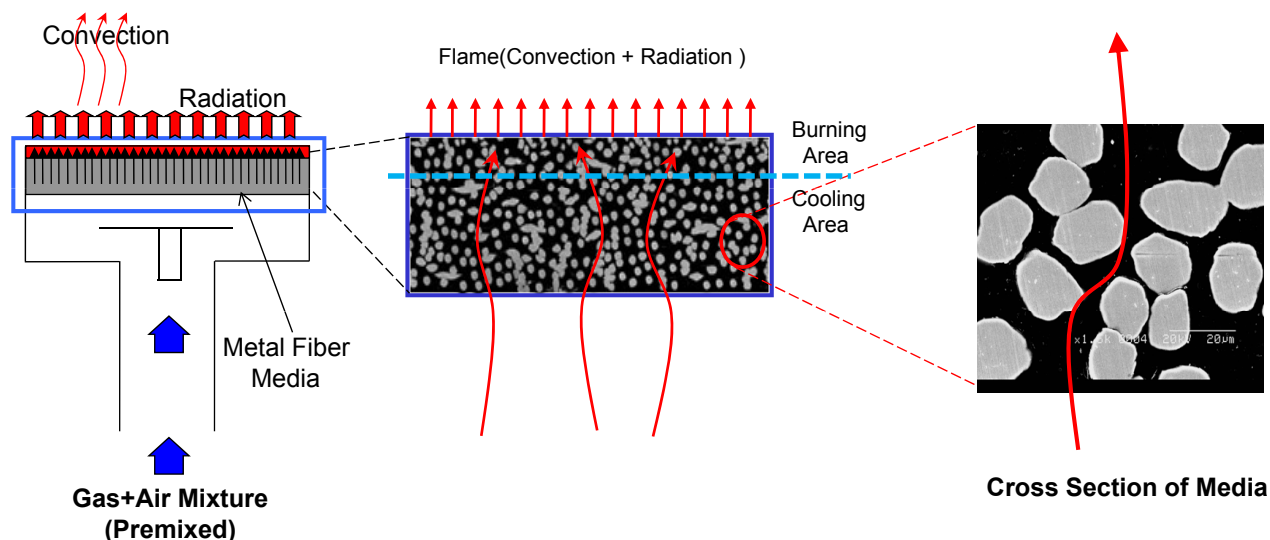


Profile InfraRed Media & Burner Characteristics

General Information

Premixed gas and air is diffused through holes created by metal fibers which enable the combustion.

The porosity of the metal fiber media is 80% to 95% open structures.



Radiant Heat

The combustion occurs inside of the metal fiber media. Then the permeable media heats to incandescence and releases a portion of the energy input as thermal radiation.

The flame color is red/orange and its length is relatively short.

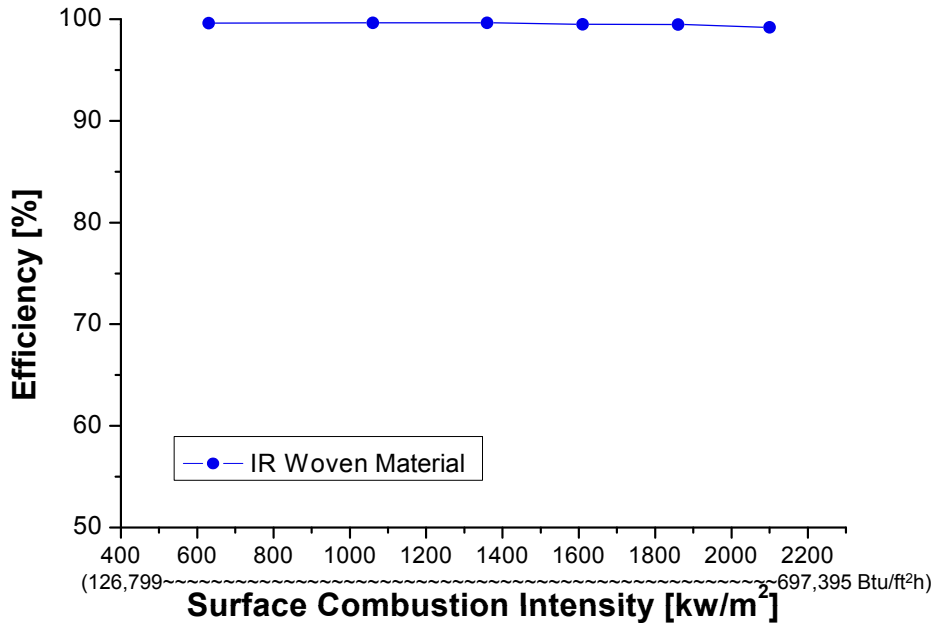
InfraRed is generally used for indirect heating like drying and preheating.

Features

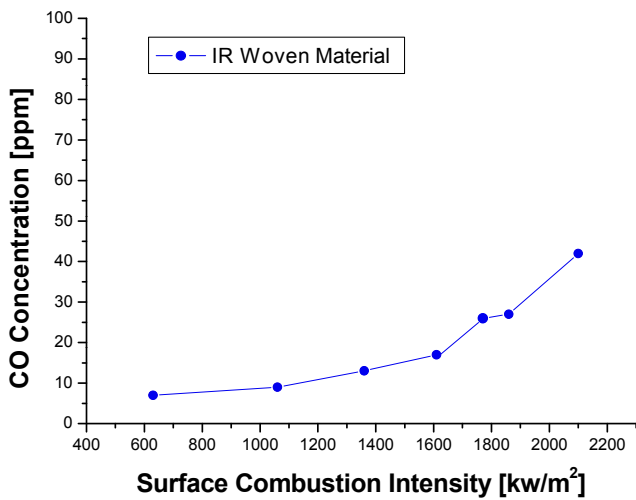
- High Thermal Efficiency
 - Higher combustion efficiency with homogeneous premixing
 - Lower pollutants (CO, NOx) with less excess air
 - Lower CO₂ Emission
- Short Flame
 - Enables compact design with a slim combustion chamber
- Fast Heat-up & Cool-down
 - Reaches target temperature within 5 sec and cool down within 1 sec

Profile InfraRed Media & Burner Characteristics

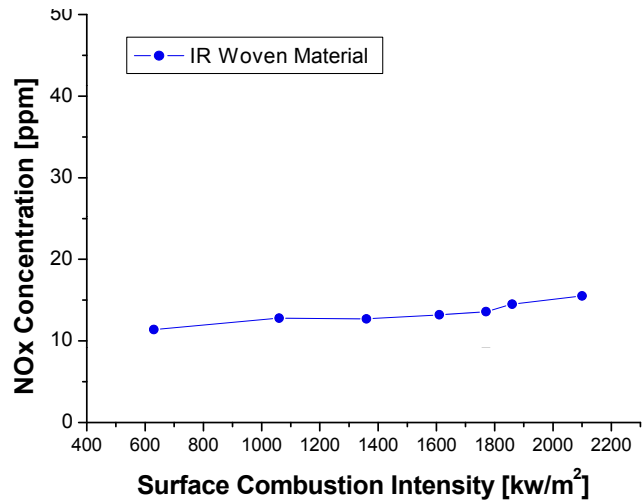
Combustion Efficiency



CO & NOx Emission



CO Emission



NOx Emission