

Infrared Ceramic Plate

Application:

1. Gas stove / cooker
2. Rotisserie oven/ Shawarma Machine
3. Gas room heater
4. Barbecue grill
5. Industrial baking equipment



For Gas heater & BBQ grill

Advantage & features:

1. Energy saving up to 30-50%
2. Balanced and well-distributed heating
3. No flame burning, No noise burning
4. Reduce harmful exhaust gas
5. Strong mechanical strength & thermal shock resistance

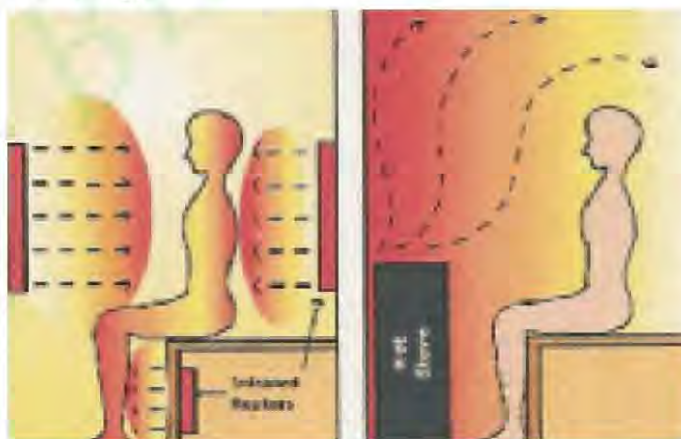


Function

Infrared ceramic plate is used to improve gas combustion efficiency by heating ceramic plate to high temperature to heat the target body with infrared rays.

Energy saving principle

The gas combustion is take place inside the holes of the infrared ceramic plate; and the heat energy is radiated efficiently in the means of infra-red rays directly, while the traditional heating majorly heat the target through the warm air. For the advantages of high combustion efficiency, well distributed heating and low exhaust emission, Infrared Ceramic Plate is proven to be an environmentally friendly heating technology, and it is the idea technology to replace the traditional gas heating technology.



Infrared heating

Traditional heating

Technical parameters:

Item	Parameters
Materials	Cordierite
Water absorption (%)	≥ 50.4
Porosity (%)	≥ 61
Specific gravity (g/cm ³)	0.6-0.9
Thermal expansion coefficient (10 ⁻⁶ /K)	1.5-3
Temperature softening (°C)	>1280
Surface burning temperature (°C)	1000-1200

Typical size:

Shape	L * W (mm)	Surface pattern
Rectangle	132*92	“8” pattern / diamond
	130*74	diamond
	129*75	diamond
	129*78	diamond
	140*132	diamond
	200*140	diamond/ plum blossom
	162*60	plum blossom
	144*74	“8” pattern
	132*92	“8” pattern
	162*72	plum blossom

Note: Size and surface patter design can be customized as per customer requirement

Typical surface pattern design:


“8” pattern



Plum blossom



Diamond