

Infrared Ceramic Plate for Stove

Application:

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



Rectangle hole type

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



Round hole type

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.



BBQ grill & baking equipment

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.

Technical parameters:

ITEM	PARAMETER
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	Diameter (mm)	Surface pattern
Round	168	Wave / “8” pattern/plum blossom
	158	Wave / “8” pattern/plum blossom
	154	Wave / “8” pattern/plum blossom
	150	Wave / “8” pattern/plum blossom
	160	Wave / “8” pattern/plum blossom
Hole size (mm)		1.1-1.8
Thickness (mm)		11-13
Max Size (mm)		200 X 142 X 13 (Rectangle)
		Φ60-210 (Round)

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

Typical surface pattern design:



wave



plum blossom



“8” pattern



hexagon