



Wire Mesh

Wire mesh is versatile and durable, yet an inexpensive choice for combustion surfaces. The precisely controlled weaving process creates maximum uniformity over the entire burning surface. Wire mesh burners are ideal for applications where the burner surface is exposed to occasional water or oil splatter, such as cooking applications. Wire mesh burners are usually made of stainless steel or inconel wires. iTS's wire mesh burners are, however, made of special high-temperature alloys, which increase the operating temperature far beyond standard burners. In addition, the corrosion resistance capability of these alloys is ideal for those applications where corrosive environments limit the use of standard burners.

ADVANTAGES

- High durability
- Superior flexibility permits a variety of shapes and forms
- Suitable for applications requiring uncommon shapes or geometrical forms often used to match the geometrical shapes of the surfaces being heated
- Non-flat shapes such as dome or semi-cylindrical shapes, which are typical of wire mesh combustion surfaces

APPLICATIONS

- Barbecues
- Broilers
- Pizza ovens
- Steak cookers
- Fireplaces
- Convection ovens
- Griddles
- Hold ovens
- Fryers
- Dishwashers
- Furnaces
- Ranges
- Boilers
- Hot water heaters
- Bake ovens
- Rotisserie ovens
- Evaporators

SPECIFICATIONS

- Firing rate of 150 to 400 BTUH/sq inch (depending on the application)
- Operation mode: Infrared
- Low cost
- Flat, semi-flat and semi-cylindrical shapes available
- Low emissions of NO_x and other pollutants
- Internal baffles for distribution

