



HET

The HET heater is an indirect fired unit designed for most applications where there is a requirement to heat ambient process air to temperatures of up to 300°C in one lift.

The unit consists of a stainless steel concentric tube type heat exchanger mounted in a mild steel chamber. The outer casing of the unit is generally manufactured from carbon steel; it is double skinned and insulated with mineral wool. The unit can be constructed totally in stainless steel.

The inner assembly consists of a stainless steel combustion chamber and concentric cylinder heat exchanger; these are independently mounted within the casing to allow for differential expansion.

The chamber is fitted with end inspection covers to facilitate cleaning.

The heater air outlet can be positioned to accommodate different plant layout.

Typical Applications

- Ceramics Drying
- Tobacco Drying
- Flour Drying
- Biotechnology
- Food Processing

Duties

Thermal outputs of 60kW to 1200kW are available. Special units to meet the requirements of particular applications can be supplied.

Gas Supply Pressure

The units can operate on gas pressures as low as 20mbar but higher pressures can be accommodated

Fuels

Burners can be fitted for operation with natural gas, LPG, light fuel oils.

Orientation

HET heaters are designed to fire horizontally. The process air outlet can be configured to suit the plant layout.



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