



## HEM + HES

The 'HEM' and 'HES' series of indirect fired heaters are designed to fire applications where process air is to be heated from ambient temperatures up to the process plant requirements.

The robust construction of the units makes them an ideal heat source for many industrial oven and heating systems; typical applications include spray booths and drying rooms.

Operating air temperatures up to 200°C can be accepted. The standard 'HEM' heaters consist of a heat exchanger mounted inside a flanged and insulated steel duct section.

The heat exchanger section is generously rated for heat transfer surface area and consists of a stainless steel combustion chamber and tube assembly. The combustion chamber and the tube bank assembly are independently mounted to cater for differential expansion.

The 'HEM' has an outer casing that is manufactured from carbon steel and is of a double skinned, thermally insulated construction; insulation is available either 50mm or 100mm thickness depending on application requirements. The HES is a side plate unit designed to be installed in plant duct work.

### Typical Applications

- Spray Booths
- Drying Rooms

### Duties

Heater capacities of thermal outputs from 60kW to 1000kw

### Fuels

Suitable for operation on natural gas, LPG or light fuel oils

### Direction of Airflow

Standard HEM heaters are arranged to fire horizontal in the direction of air flow from left to right (SF). Heater units can be supplied for firing into duct systems with vertical upwards or downwards air flow. Air flow should be uniform across the air duct, both upstream and downstream of the heater.

### Control


Heaters supplied with oil burners are normally for high-low operation (on-off on small units). Most gas burner applications are fitted with modulating burners, although high-low can be supplied.



[sales@comtherm.co.uk](mailto:sales@comtherm.co.uk)



[www.comtherm.co.uk](http://www.comtherm.co.uk)



+44 (0) 1905 775783