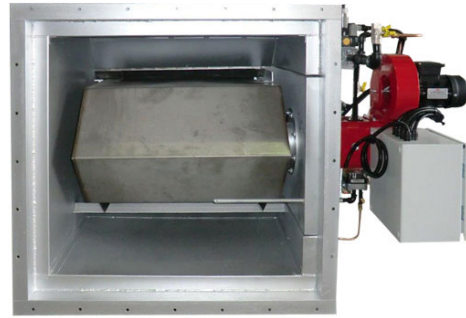


Capacity Range:
60kW to 1000kW



HEM Indirect Fired Process Air Heater

Designed to fire applications where process air is to be heated from ambient temperatures up to the process plant's heat requirements.

How It Works

The Selas HEM series of indirect-fired process air heaters have robust construction making them an ideal heat source for many industrial oven and process heating applications including spray booths and drying rooms.

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.

Applications:

- Industrial Ovens
- Plant Processes
- Spray Booths
- Drying Rooms



Diverse Combustion Technologies. One Reliable Source.

Operating Principles

Burner Assemblies

Each HEM unit is supplied with a pre-packaged and pre-wired burner assembly which includes all of the necessary burner fuel safety valves, pressure switches and automatic ignition and flame safety equipment. Most types of flame failure and automatic ignition control units can be supplied, utilizing flame rectification, photo cell or ultra-violet flame sensing equipment. Air heating burners built to specific applications and country of installation can be fitted. All Burner packages are fully tested and the operation of all components are checked before dispatch from the factory.

Fuel Supply

Burners can be fitted for operation with natural gas, LP gases or light fuel oils. All gas burners are sized to suit an inlet gas pressure of 17.5mbar (natural gas) or 30mbar (LP gases) unless otherwise specified. Burners can be supplied to suit other fuel types and supply pressures.

Direction of Air Flow

Standard HEM process air heaters are arranged to fire horizontally in the direction of air flow from left to right. 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.

Electrical Supply

The HEM units can be fitted with burners to suit almost all types of electrical supply, including all common industrial three phase (50 or 60Hz) power supplies. Burners can be supplied to accommodate electrical voltages for specific applications and destinations.

Features	Benefits
Fully modulating, indirect firing burner	Ideal for shopping centers & commercial premises
Pre-packaged and pre-wired burner assembly	Ready for drop-in installation
High temp limit thermostat or thermocouple unit	Protects the heat exchanger from overheat
High-grade stainless steel combustion chamber	Durable construction for long life
Operates on natural gas, LP or light fuel oil	Installation not dependent on single fuel source



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