



## AHP

The 'AHP' series of indirect heat exchangers are designed for commercial air heating applications. The robust construction of the units makes them an ideal heat source for shopping centres and commercial premises.

AHP heaters are usually fitted with a high temperature limit thermostat or thermocouple unit, in order to protect the heat exchanger from excessive overheating.

Heater capacities of thermal outputs from 60kW to 1200kW are available.

The standard AHP heaters consist of a heat exchanger module with reverse pass combustion chamber and two pass tube bank.

The combustion chamber and the tube banks are manufactured using high-grade stainless steels and both the chamber and tube bank assembly are independently mounted to cater for differential expansion. The outer casing of the AHP unit is manufactured from standard carbon steel and is of an uninsulated construction. The complete inner assembly can be withdrawn on the front plate for repair or servicing.

### Typical Applications

- Air replacement for commercial properties
- Air replacement for manual spray booths

### Duties

Heater capacities of thermal outputs from 60kW to 1200kW are available; special units to meet the requirements of a particular application can be supplied.

### Fuels

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

### Direction of Airflow

Standard AHP heaters are arranged to fire horizontally in the duct, however, units can be supplied for firing into duct systems with vertically 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.



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