

IL Burner

The IL gas burner head is designed to suit virtually all types of low temperature, gas fired air heating applications.

The IL burner is constructed using a series of modules. Each 150mm module is capable of an output of 75kW with a head pressure of 10mbar natural gas and 100 kW with a head pressure of 18 mbar. The IL-HC unit has an output of 150kW per 150mm. The burner is available with a cast iron or cast aluminium manifold.

The IL can be fitted into process air ducts having velocities of 5 to 25m/sec. Airflow should be uniform across the air duct, both upstream and downstream of the burner. All the air required for combustion is supplied by utilising the process air. Careful attention must be paid to the velocity of the air across the burner and the oxygen content of the process air.

Process temperatures up to 40°C can be accepted upstream of the burner and downstream temperatures should be limited to 200°C.

Most duct layouts can be accommodated as the modular construction of the burner and its availability in "Straight", "X" and "T" sections enable many burner configurations to be generated.

Typical Applications

- Air Replacement Plants
- Air Handling Units
- Heating Schemes
- Industrial Dryers
- Industrial Ovens
- Grain Dryers

Duties

The IL burner is available in a wide range of sizes and shapes, ranging from nominal thermal capacities of 75kW to more than 20MW.

Gas Supply Pressure

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

Typical Flame Length

IL burner = 300mm at full fire
IL-HC burner = 600mm at full fire

Fuels

Suitable for operation on
Natural gas or LPG

Turndown


Up to 25:1



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