EUROflow ECA RANGE EMS modules

HIGH QUALITY, HIGH PERFORMANCE
LOW COST, HEAT EXCHANGER MODULES

DESIGNED FOR ALL TYPES OF AIR HANDLING SYSTEMS
- 26kW to 792kW
- GAS OR OIL FIRED

The DRAVO EMS-N RANGE of indirect fired heating modules have been designed to offer a high quality cost effective solution to a wide choice of commercial and industrial applications.
ECA RANGE
EMS MODULES

Output range from 26kW to 792kW. The units can be supplied for oil or gas firing. The combustion chamber is manufactured from high quality heat resistant stainless steel AISI (Euro Norm 8Cr17) and has been designed for maximum surface area and volume to give an exceptionally high efficiency.

It has also been designed to have minimal resistance to airflow through the unit. The standard version is suitable for an air pressure up to 400 pa, a high pressure model is also available suitable for an air pressure up to 2500 pa.

Units are supplied with an outer casing of mild steel sheet, stoved epoxy powder coat finish and an inner panel of galvanised steel giving double skinned construction fitted with 25mm fibreglass insulation.

All models are equipped with two thermostatically operated switches: a limit thermostat (manual reset) that prevents overheat conditions (max 95°C) and a fan thermostat that delays fan start. When using an EMS unit the temperature rise through the module must not exceed 60°C and the leaving air temperature must not exceed 95°C. Temperatures and air volumes must correspond to the values stated by Dravo.

Dravo will accept no liability if the leaving air temperature should exceed the leaving temperature stated as maximum. If required special models can be manufactured for a leaving temperature up to 140°C details of which are available upon request.

EMS standard configuration can be installed in the duct system or inserted in the air handling unit before of after the fan. When using an EMS module horizontally, it is necessary to specify the airflow direction (left or right) to enable the safety thermostat to be installed correctly (above heat exchanger).

For further information on any of our product ranges please contact:

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HEAT EXCHANGER
The patented Heat Exchanger is made entirely of stainless steel and designed to ensure maximum thermal output with high efficiency.

GENERAL SPECIFICATIONS FOR THE EUROFLOW EMS-N RANGE

VERTICAL AIRFLOW ON STANDARD EMS...N

LEFT AIRFLOW ON REQUEST EMS...N-1

RIGHT AIRFLOW ON STANDARD EMS...N-2

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For service access and burner project dimensions, please contact our Technical Department.

EMS-N AIR VOLUME/PRESSURE DROP DIAGRAM

![Diagram showing airflow and pressure drop relationships for EMS-N units.](Diagram)