



**Johnson
& Starley**

Dravo
Division

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.*



Energy Technology Listed
Appliances, Qualifying for
the Governments
Enhanced Capital
Allowance Scheme



BUILT TO
ISO EUROPEAN
STANDARDS
WITH FULL CE
CERTIFICATION



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 thermally 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 inserted 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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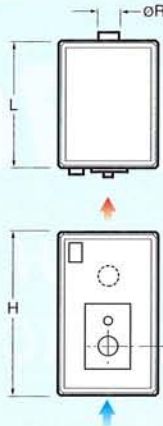
HEAT EXCHANGER

The patent Heat Exchanger is made entirely of stainless steel and designed to ensure maximum thermal output with high efficiency

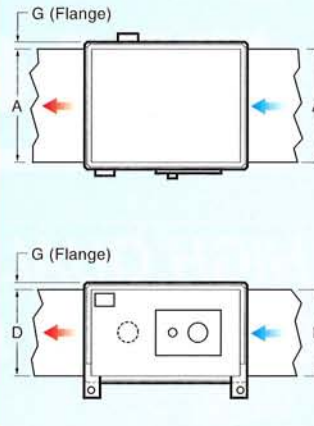


GENERAL SPECIFICATIONS FOR THE EUROFLOW EMS-N RANGE

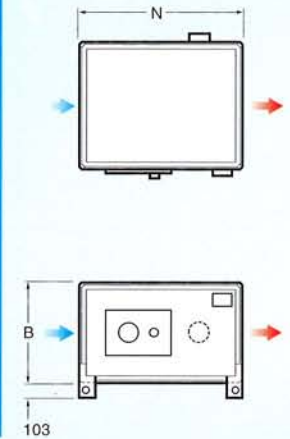
VERTICAL AIRFLOW ON STANDARD EMS... N



LEFT AIRFLOW ON REQUEST EMS... N-1



RIGHT AIRFLOW ON STANDARD EMS... N-2



TYPE	kW OUTPUT		UNIT SIZE			DUCT SIZE			FLUE		BURNER S
	Min	Max	L	B	H	A	D	G	N	ØR	
EMS032N-035N	26	32	750	490	960	670	410	25	705	120	340
EMS060N	47	56	1000	640	1080	920	560	25	850	150	370
EMS100N-120N	75	92	1100	800	1180	1020	720	25	920	180	350
EMS140N	90	120	1330	920	1240	1250	840	25	960	180	315
EMS190N	118	185	1460	1060	1390	1380	980	25	1120	250	370
EMS250N	145	230	1750	1140	1490	1670	1060	25	1200	250	380
EMS320N	175	281	1960	1140	1490	1880	1060	25	1200	250	340
EMS420N	246	364	2170	1340	1800	2070	1240	30	1480	300	440
EMS550N	301	471	2600	1340	1880	2500	1240	30	1510	300	440
EMS700N	375	619	2950	1600	2110	2850	1500	30	1770	350	500
EMS900N	450	792	3550	1700	2330	3450	1600	30	1955	400	585

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

EMS-N AIR VOLUME/PRESSURE DROP DIAGRAM

