BURNERS
BRULEURS
BRENNER
QUEMADORES
BRUCIATORI

MANUAL FOR
- INSTALLATION
- OPERATION
- MAINTENANCE

HEAVY OIL BURNER

N18

M03929CE Rev. 04 10/99

	PREFACE	P. 2
PART I:	INSTALLATION	P. 4
PART II:	OPERATION	P. 11
PART III:	MAINTENANCE	P. 16
	APPENDIX	P. 18

CE
Complying with
EMC 89/336/CEE
LV 73/23/CEE

Technical Documentation ***CIB Unigas S.p.a.*** - Campodarsego (PD)

TECHNICAL DATA

BURNER TYPE		N18
Output	min kcal/h	90.000
	max kcal/h	180.000
	min kW	105
	max kW	209
Oil firing rate	kg/h min.	8
	kg/h max.	18
Fuel		Heavy oil
Electrical supply		230/400 V 50Hz
Motor 2800 rpm	kW	0.55
Auxiliary relays	kW	0.5
Pre-heater resistor	kW	1.5
Total power consumption	kW	2.55
Approx. Weight	Kg	20
Operation		single stage

BURNER MODEL IDENTIFICATION

Burners are identified by burner type and model. Burner type identification is described as follow:

Type: **N18**	*Model:*	**N-.**	**TN.**	**S.**	***.**	**A.**
(1)		(2)	(3)	(4)	(5)	(6)

(1) BURNER TYPE — N18

(2) FUEL — N = Heavy oil (Viscosity: 7°E at 50°C)

E = Ecoden - fuel with a low sulphur content with viscosity of 12 to 20E° at 50°C

(3) ADJUSTMENT — TN = Single Stage

(4) BLAST TUBE LENGHT (See overall dimensions)

S = Standard

(5) DESTINATION COUNTRY — * see data plate

(6) SPECIAL VERSIONS — A = Standard

OVERALL DIMENSIONS

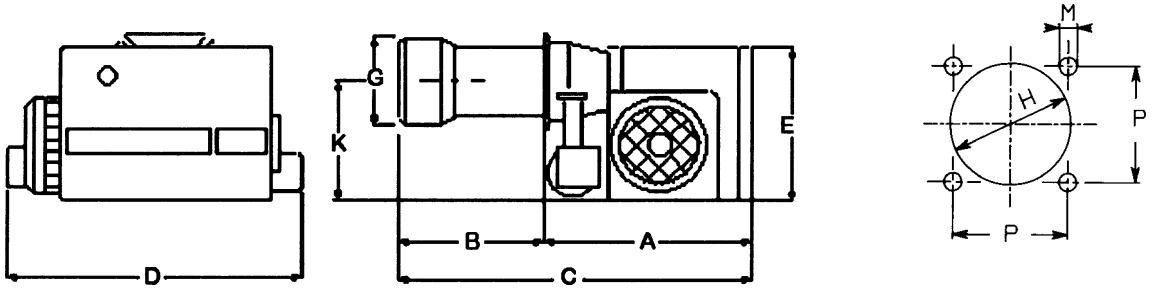

Fig. 1

	A	B	C	D	E	G	K	H	Pmin	Pmax	M
N18	400	70÷200	470÷600	480	300	126	270	132	105	134	M8

PERFORMANCE CURVE

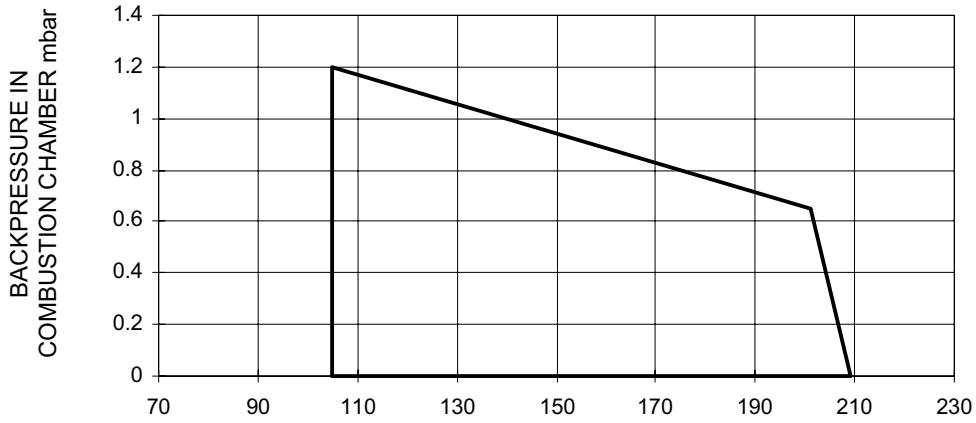

Fig. 2

MOUNTINGS AND CONNECTIONS

The burners are despatched in cardboard packages.

The packaging contains the following items:

1 burner;
2 flexible pipes;
1 oil filter;
1 gasket to be inserted between the burner and the boiler;
1 this manual, the Guarantee Certificate and the test certificate.

To get rid of the burner's packing and in the event of scrapping of the latter, follow the procedures laid down by current laws on disposal of materials.

ELECTRICAL CONNECTIONS DIAGRAM

- Remove the burner housing.
- Carry out electrical connections to the multiple connector, supplied with the burner, according to the diagram shown in fig. 4.
- Refit the burner housing.

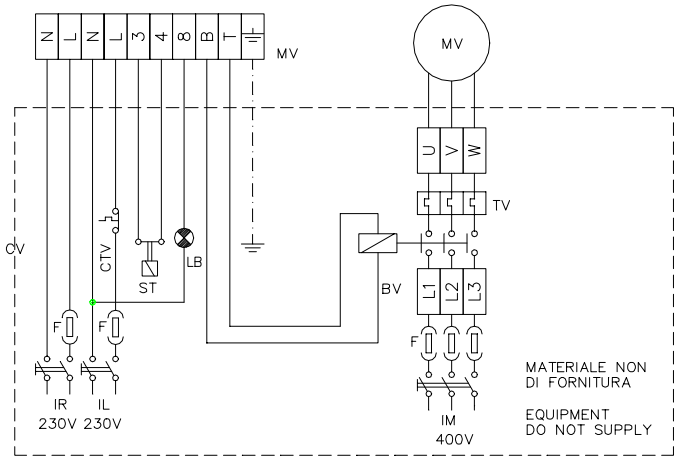

Fig. 3