INDIRECT HEATER

BV 77

PROGETTO NOLEGGI®
by PETROLGAS s.r.l.

HEATER FUNCTIONING DIAGRAM

HOT AIR OUT

AIR IN
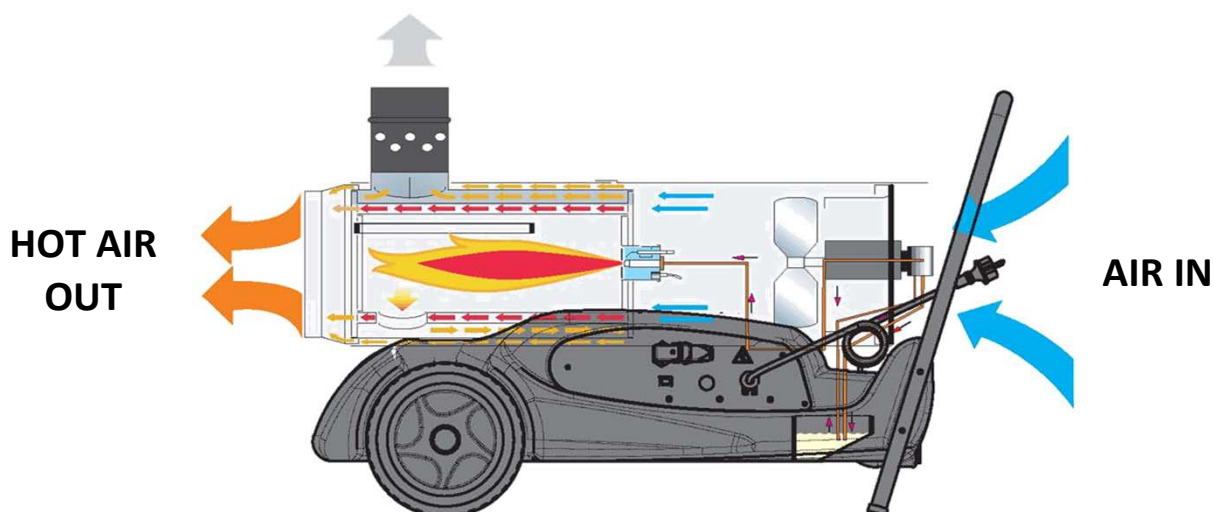
Indirect oil heaters are highly efficient devices that provide large volume of 100% clean, dry and fume free warm air. They are best for places with limited ventilation like shops, event's tents, food preparation areas or exhibition halls. They can be used with flexible hoses that make the warm air be spread around easily.

SPECIFICATION

Power	kW	21		Oil consumption	kg/h		1,67
	kcal/h	18 100		Tank capacity	L		36
	Btu/h	71 700					
Combustible		Diesel / Kerosene		Autonomy	h		17
Net weight	kg	33		Tension	V		220-240
Gross weight	kg	37		Frequency	Hz		50
Ø Fan	mm	250		Rated current	A		1,5
Ø Chimney flue	mm	120		Electric power	W		300
Performance	%	84		Noise level	dBa		73
Airflow	m³/h	1550		Pump pressure	bar		12

PACKING

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Packaging dimensions	mm	1200 x 400 x 530
Effective dimensions	mm	1130 x 380 x 660
Pieces for pallet	n°	8
Pieces full truck	n°	264

COMPONENTS

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Pump	**Danfoss BFP - rotary with element filter**
Nozzle	**Danfoss 0,40 GPH 80° S**
Flame control	**Electronic board with transformer on board**
Igniter	**Bifilar electrodes**
Fuel filter	**In line da 250 µm**
Overheat thermostat	**Series / N.C. until at 90°C**
Motor	**Asynchronous, monophase, with thermal protection, Anticlockwise rotation, 2800 rpm**
Tank	**Material PE**
Room thermostat	**Predisposition for connecting an ambient thermostat**

ACCESSORIES

Room thermostat	**Thermostat TH5**
Hose flexible	**Ø 305 - Lengh 7,6 m - first 2 meters are made high resistant material**
Adaptor ring kit	**Kit for hose Ø 294 mm**

WIRING DIAGRAM
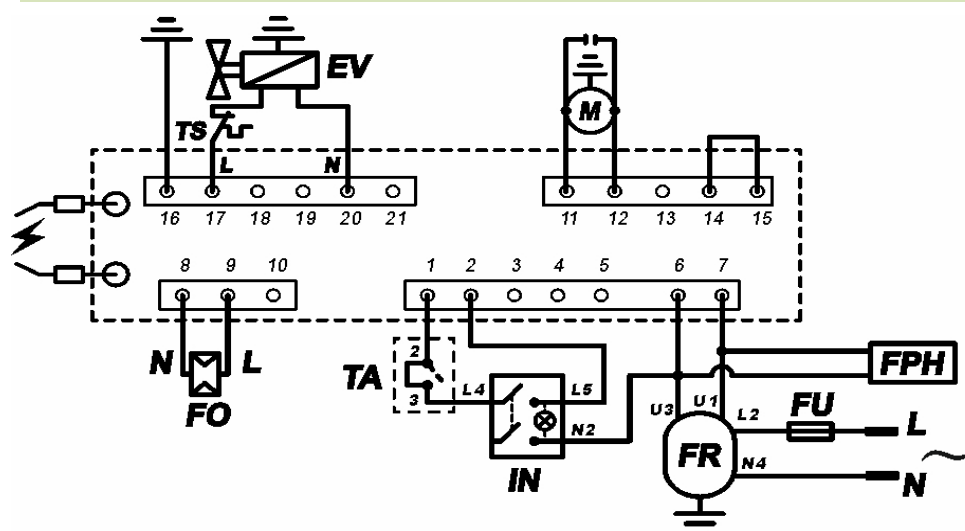
FO: Photoresistance
TA: Ambient thermost.
FR: Filter noise
FPH: Pre-heating filter

M: Motor
IN: Switch
EV: Electric valve
TS: Overheat thermost.

FU: Fuse
N: Neutral
L: Line

FUEL DIAGRAM
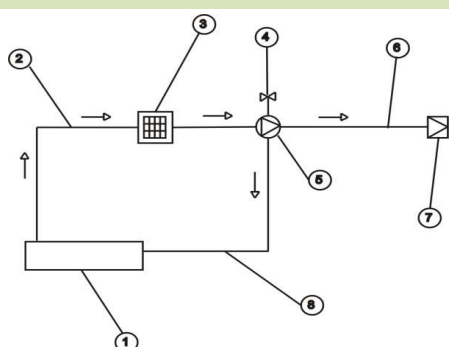
1	:	**Tank**
2	:	**Fuel pipe intake**
3	:	**Fuel filter**
4	:	**Elctrovalve**
5	:	**Pump**
6	:	**Fuel pipe supply**
7	:	**Nozzle**
8	:	**Fuel return pipe**