

**MCS**®

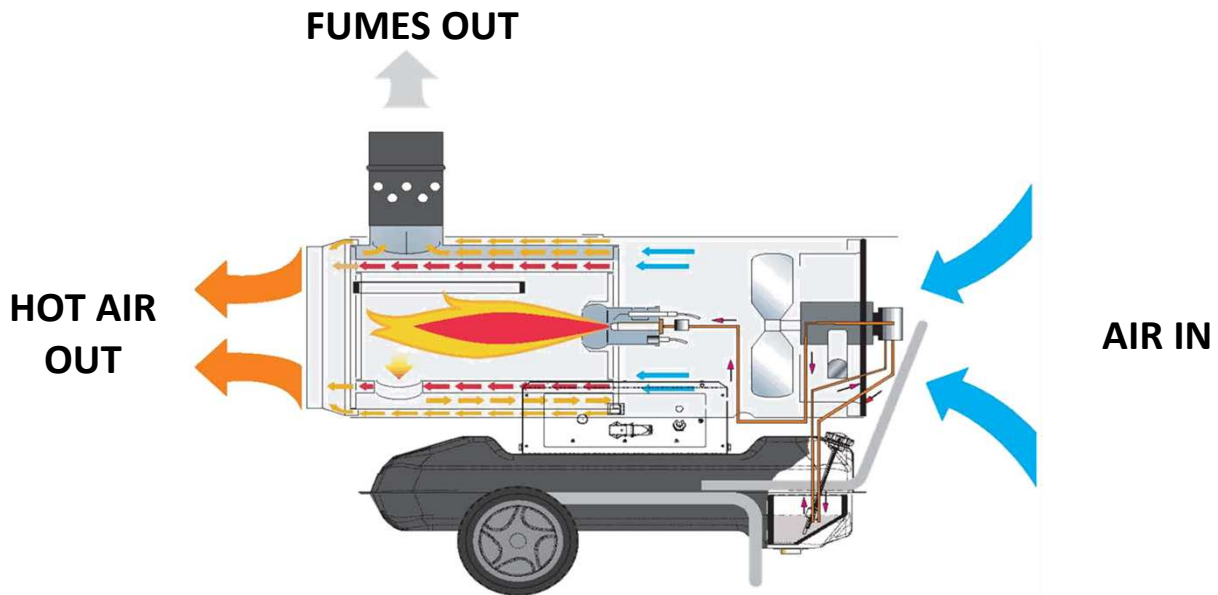
DSH0008

**INDIRECT HEATER**

**BV 110**



## HEATER FUNCTIONING DIAGRAM



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	Btu/h	<b>112,800</b>	Fuel consumption	gal/h	<b>0.86</b>
Combustible	Diesel / Kerosene		Tank capacity	gal	<b>17</b>
Net weight	lb	<b>60</b>	Autonomy	h	<b>19</b>
Gross weight	lb	<b>76</b>	Tension	V	<b>120</b>
Ø Fan	in	<b>13.5</b>	Frequency	Hz	<b>60</b>
Ø Chimney flue	in	<b>5.9</b>	Electric power	kW	<b>0.9</b>
Performance	%	<b>80</b>	Rated current	A	<b>7.5</b>
Airflow	cfm	<b>1060</b>	Noise level	dBa	<b>77</b>
			Pump pressure	PSI	<b>174</b>

## PACKAGING

Packaging dimensions	in	<b>47 x 25.5 x 39</b>
Device dimensions	in	<b>48.5 x 22.5 x 39</b>
Pieces for pallet	n°	<b>1</b>
Pieces full truck	n°	<b>80</b>

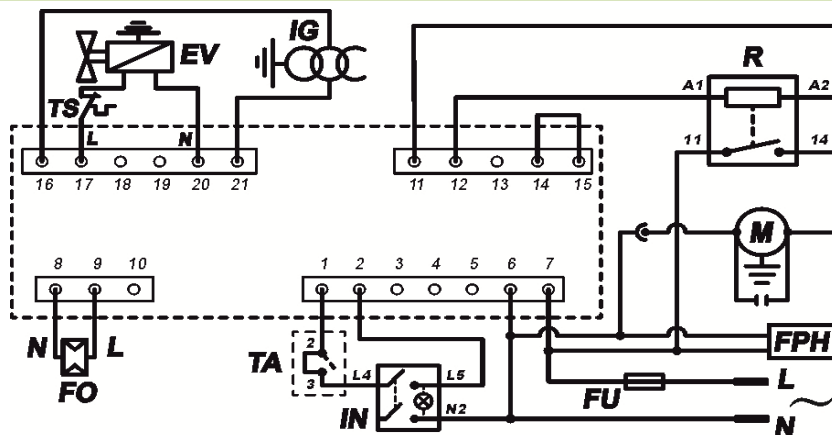
## COMPONENTS

Pump	Danfoss BFP - rotary with element filter
Nozzle	Danfoss 0,65 GPH 80° S
Flame control	Electronic board and separately transformer
Igniter	Bifilar electrodes
Fuel filter	In line da 230 mesh
Overheat thermostat	Series / N.C. until at 194°F
Motor	Asynchronous, monophase, with thermal protection, Anticlockwise rotation, 2100 rpm
Tank	Material iron sheet
Room thermostat	Predisposition for connecting an ambient thermostat

## ACCESSORIES

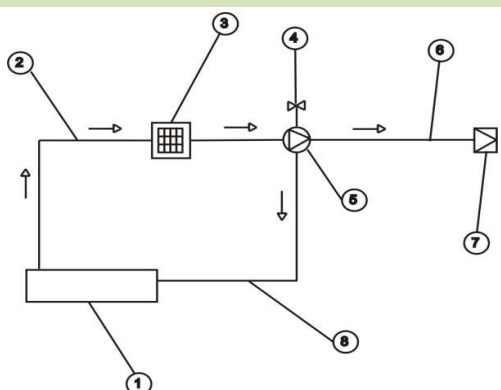
Room thermostat	Thermostat TH5
Hose flexible	Ø 16 in - Lenght 300 in - first 80 in are made in HT resistant material
Adaptor ring kit	Kit for hose flexible Ø 15.5 in
Filter pre-heating	Predisposition for connecting the filter pre-heating

## WIRING DIAGRAM



**FO:** Photoresistance  
**TA:** Ambient thermostat  
**IG:** Transformer  
**FPH:** Pre-heating filter  
**M:** Motor  
**R:** Relay  
**IN:** Switch  
**FU:** Fuse  
**EV:** Electric valve  
**TS:** Overheat thermostat.  
**N:** Neutral  
**L:** Line

## FUEL DIAGRAM



1 : Tank  
 2 : Fuel pipe intake  
 3 : Fuel filter  
 4 : Electrovalve

5 : Pump  
 6 : Fuel pipe supply  
 7 : Nozzle  
 8 : Fuel return pipe