

ADVANTAGES OF CATALYSIS

The interest of catalysis lies in the fact that the fuel oxidizes in the presence of a platinum catalyser at low temperature (400°C). In case of a flame, the temperature reaches over 1000°C.

To start the burning process, the platinum catalyser (burner) must be preheated.

Fuel is travelling from tank to catalyser through the wick where it is changing in fuel vapours which, in contact with oxygen, will generate heat.

The other advantage of catalysis is that burning operation does not produce fumes or ashes but only carbonic gaz in slight proportions and vapours which allow, moreover, to avoid having a dry air.

The last advantage is that no production of fumes makes it unnecessary to have a chimney stack which always causes a waste 20 to 30% of heat.

As a result, this type of catalytic heater is far more economic because of a higher efficiency.

TECHNICAL SPECIFICATIONS

Power: 3.000 BTU (900 Watts)

Fuel: Catalytic fuel

Consumption: 1 liter/8 hours

Tank capacity: 2 liters

INSTRUCTION MANUAL

When the heater is new and used for the first time, it is

necessary to light it and let it burn outdoors for at least 30 minutes.

VERY IMPORTANT! TO READ BEFORE USE!

1-CAUTION

This appliance must be filled exclusively with catalytic fuel. NEVER USE PETROL OR GAZ OIL OR FUEL FOR CARS.

The use of any other fuel will damage the heater and especially will dirty the wick. In this case, the warranty will be made null and void.

Always place the appliance on a flat surface and far from any combustible materials.

If used in a vehicle or a boat, it must be secured in a safe position and place.

Never fill the tank inside a confined area such as a cabin of truck, boat, caravan, a car, a hut, a bungalow, etc...

Always provide a twin air opening on 2 opposite walls of, at least 40 cm² each, such as 6 x 7 cm or 1 x 40 cm (side windows of a truck lowered from 1 cm for instance).

Always fill and light the heater outdoors and wait for preheating flame to be off to take it inside.

Make sure there is no fuel on outer surfaces or next by (catalytic fuel can) before lighting.

Never leave a child or someone who has not read the instructions to use the heater.

Make sure no animal or pet can come inside close range of the heater.

Never light the heater in flammable or explosive atmosphere or if a part of the appliance is damaged, especially the burner head.

Make sure you are away from any flame or sparkles (cigarette, electric plug, switch, etc...) when you are filling the catalytic fuel.

Always tighten firmly the burner head and filler cap so that no leak can occur.

2-FILLING

Only use catalytic fuel. Never use petrol, gaz oil or fuel for cars.

Place the appliance out of doors on a flat surface.

Be away from any flame, sparkle or combustible materials.

Open the wind shield and unscrew the filler cap. With the funnel, slowly pour the fuel and make sure not to overflow or to spill any of it on outer surfaces.

Screw back the filler cap firmly so that no leak can occur. Otherwise, dry leaks thoroughly.

Keep can of fuel away.

3-LIGHTING

VERY IMPORTANT

Make sure:

- a/ filler cap well tightened and no leak of fuel can occur
- b/ burner head well tightened and not damaged. If so, do not try to light. Head must be changed
- c/ outer surfaces are dry of fuel

Find a place outdoors, flat and safe from wind.

Remove the extinguisher cup.

Hold heater upside down for 5 seconds to allow fuel to reach the burner head. Put the heater back to normal position when a spot of fuel of approximately 2 cm diameter maximum appears on burner head.

If this spot does not appear, repeat the whole operation.

With a match, light the fuel on the burner head. A large flame that may reach 50cm will burn during 2 or 3 minutes.

Before the flame totally extinguishes, close the wind shield.

If the flame does not extinguish by itself after 4 or 5 minutes, use the extinguisher cup to put it off during 2 or 3 seconds in order to kill the flame but not the combustion.

Maximum heat will be felt after 15 minutes. In case no heat can be felt after this delay, start again the whole procedure but never hold heater upside down if pre-heating flame still on.

When the temperature is very cold, it is advisable to pour little catalytic fuel on the edges of the burner head. Be carefully not to spill any on outer surfaces.

4-EXTINGUISHING

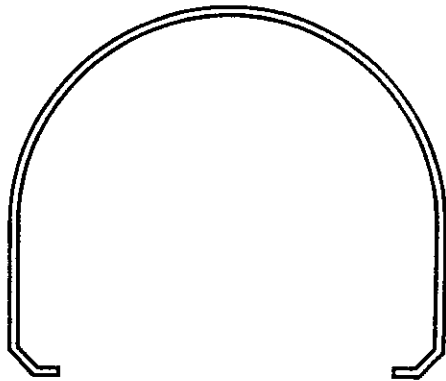
Open up the wind shield and cover the burner head with the extinguisher cup. Make sure it is well positioned otherwise oxygen will still keep up the catalytic process. Put down the wind shield. Eventhough the combustion will be stopped, the fuel will still arrive through the wick. As a result, it is normal that a smell exhales.

CAUTION. It takes around 30 minutes before heater becomes cold, so do not pack it in its box or in any place where combustible materials are near by.

If the appliance will not be used during several days or more, it is necessary to empty the fuel left in the tank or to let the heater work until it is dry of fuel.

SPARE PARTS

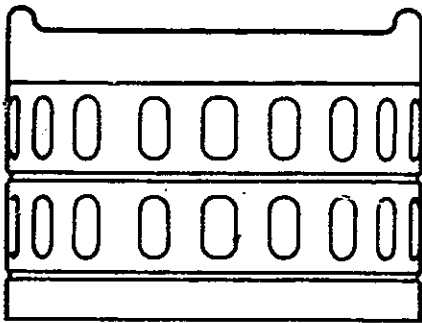
To order one of following parts, do mention correct part number.



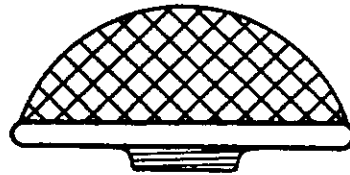
HANDLE
Ref: 001



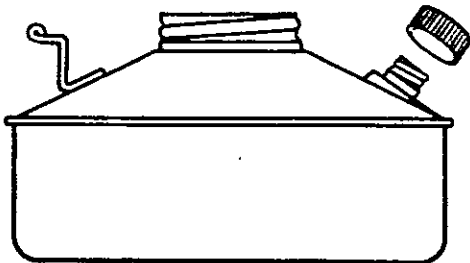
EXTINGUISHER CUP
Ref. 005



WIND SHIELD
Ref: 002



BURNER HEAD
Ref. 006



FILLER CAP
Ref. 003
FUEL TANK
Ref. 004



COMPLETE WICK
Ref. 007