

INFORMATION SHEET

GAS FREE COOKING AND HEATING ON BOATS 05-05-15

AUTOMATIC 230VOLT A.C. LOW CURRENT DRAW PRESSURE JET BURNERS

CONTINUOUS RUNNING NON-ELECTRIC, VAPORISING POT BURNERS.

1. PRESSURE JET CONVERSIONS

These are automatic burners used to power the cooker.

They run just like any other automatic central heating boiler in as much as they can be timed to come on and off as required via a programmable time clock and because of this they are very economical to run.

The lightweight design of the burner allows it to operate a current draw of only .6 amp at 230 volt a.c.

These conversions are popular on Narrow Boats, Dutch barges and permanent or semi-permanent houseboats.

The burners are not prone to chimney height problems as the air for combustion is blown in under pressure and therefore they can be run on short chimneys 1.8 to 2 metres high.

They are not prone to out of level problems and can operate on sea going boats as well as still water boats (appliances must be securely fastened down.)

Because the output is not flue dependent, they can be used to produce water-heating outputs from 2kW up to 18kW.

Heating systems for automatic burners can be of almost any configuration, and can mimic almost any land-based system, allowing for full and independent control of water or central heating. For central heating systems, we can supply all the extra equipment required as detailed in more info on the PJ boiler section.

2. VAPORISING POT CONVERSIONS

These conversions have the benefit of

TOTAL SILENT RUNNING,

SIMPLICITY

TROUBLE FREE LONGEVITY.

NO ELECTRICAL CONSUMPTION

Vap conversions are different in as much as the output is proportional to the chimney height, on narrow boats, this is limited to between 1.5 and 2.2 metres.

On Dutch barges, slightly higher flues are available.

On permanents, even higher flues are available.

Experience shows that on continuous running appliances 1.5-2kW is more than adequate for correctly insulated narrow boats up to 70 feet in length.

Cookers can be supplied to give from 7kW up to 12kW of output.

Vap conversions are not as economical as pressure jets, but because of their simplicity, there is a considerable ongoing service and replacement part cost saving which does have a compensatory effect on the total running costs.

They are inherently reliable, and relatively trouble free.