



BOAT HEATING

BOAT HEATING NARROW BOATS

BOAT HEATING BROADBEAM BOATS

BOAT HEATING DUTCH BARGES

<http://www.oilstoves.co.uk/>

The oil fired Bubble stove evolution started in 1989 when 28 second (kerosene) and 35 second (diesel) was 9 pence per litre, it is now (08-01-08) touching 50 pence per litre.

As a result of our early sales success, many customers reported back to us regarding how the Bubble stove improved life aboard and when we eventually acquired our own company boat it was quite a revelation to see first hand how the fitting of an oil stove had a dramatic effect on condensation and the general level of comfort.

The major advantage an oil stove has is the fact that it can run at a low and steady output, In this regard, the Bubble No 1 stove has a distinct advantage over the competition as the Crystal burner used in the stove has by far and away the best turn down ratio of any vaporising pot burner. (*Turn down ratio is calculated from the max and minimum firing rate, the ratio for the Bubble stove burner is 5*)

One of the special characteristics of the Crystal burner is the ability to generate a long blue flame and this gave us the opportunity to develop and patent our coal kit, which is seen in action in the following photograph.

No other pot burner can develop this type of blue flame, the best that can be achieved is a yellow flame which does not have the temperature required to be used with a coal kit.

BUBBLE 1 OIL STOVE WITH COAL KIT.

(In the background is the Bubble PJ sitting on top of a high recovery hot water cylinder)



Oil stoves do not have the dramatic impact of solid fuel stoves, on a cold boat it can take some considerable time for an oil stove to heat the boat up, remember when everything is clock cold the stove has to warm it all up, a solid fuel stove can be made to give much higher output much faster than an oil stove as the output is only controlled by the volume of fuel loaded into it and the amount of air allowed into it. This means that if it is over fired and left to run flat out it, for a short period of time it can exceed its nominal output by a factor of two.

THIS ISN'T A COLD BOAT, CORNER SOLID FUEL IN ACTION.



This tiles in this photograph were hand painted replicas of 17th Cent Delph tiles.

In normal circumstances, oil stoves cannot be over fired as all the combustion elements are tightly controlled.

CORNER OIL IN BLACK AND WHITE FIREPLACE.



In the mid 90's the increasing cost of fuel and the changing face of boating led us to believe that a more domestic style, controllable heating system was the way to go, boats were becoming more and more sophisticated with massive improvements in inverters and electronic power management systems.

Boats were being used more as houses or apartments with many of them having mains water and electricity supply available.

With this in mind and the general level of dissatisfaction that boaters had with reliability and cost issues of most of the automotive based miniature heaters, we decided that what was needed was a small automatic oil boiler, made from the same tried and tested components used on normal domestic central heating boilers.

This gave rise to the Bubble PJ, which was first produced as a 24 Volt version rapidly followed by the 230V ac version.

EARLY 230 V PJ PAINTED FOR TRAD. ENGINE ROOM.



The PJ Auto boiler gave boaters the opportunity to have exactly the same on board features available in most oil-fired homes throughout the rest of the world.

Because 230volt components are used the full cost savings of global quantity production can be brought to bear on the costs and customers can have a complete system comprising -:

Automatic Boiler - Hot water cylinder - Fully programmable time clock with hot water only or hot water and central heating control - Oil line with all valves and fittings - Automatic Room temperature control thermostat - Automatic hot water control thermostat - High performance oil filter and a Flue system complete.

All this for under £2000.

The added bonus to all this, is that whilst timed on, the whole hot water and heating system is modulating, and so the running costs can be dramatically reduced to half that of an oil or solid fuel stove and the boiler only uses an average 130 watts of energy whilst it is timed on and running.

On the down side of the PJ, there would be an increased servicing cost element to be brought into the equation but with the spiralling fuel costs, this should still lead to much lower running costs and a higher level of convenience with the ability of the system to allow hot water only to be produced in the summer months.

CONCLUSION.

If you are changing from an oil stove to a solid fuel stove remember the Bubble Corner solid fuel will fit in the same space as a Corner oil, those of you wise enough to have bought a Corner oil can see the possibility of an easier switch over should you desire it.

Check the cost of solid fuel as we are of the opinion that unless you have access to cheap fuel i.e. wood, there could be no fuel cost savings.

Note the Corner Solid fuel stove can be set up as wood burner by the simple addition of the wood grate.

As detailed above, real fuel cost savings can be achieved from the fitting of a Bubble PJ. Depending upon the final amount of duty required to be paid; it may be well worthwhile to fit a second tank in which to store rebated fuel for heating and or cooking purposes.

Delph Tiled Fireplace under construction.

Note the lovely integrated design and minimum space required by the triangular design.

For more information on space saving see: -

http://www.oilstoves.co.uk/webdocs/technical/Bubble/Bubble_Corner_Oil_Installation_Instructions.pdf



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Boat Heating Systems.

Heating Your Barge.

Heating Your Dutch Barge.

Heating Your Narrow boat.

Heating Your Boat.