

# THE DAVEY 'HOT POT' CABIN HEATER

Please read & understand these installation notes thoroughly before attempting to install the HOT POT stove. If in any doubt, contact your local boatyard for assistance.

## KEY FEATURES

- Cast iron construction for good heat radiation.
- Infinite air intake adjustment to control heat output.
- Flue outlet partway down main body to allow gravity feed of fuel.
- Front door with positive closure for extra security.
- Flexible installation using standard inexpensive gas pipe. (blue band 2.1/2")
- Can burn most solid fuels (although we recommend 'Coalite' for best results).

## ACCESSORIES

- Brass companion set (shovel & poker) – part number 3127/BR.  
Note: 1 set supplied with stove, no charge.
- Bronze waterwell deck collar, sand blast finish- part number 3126/GM/COLLAR
- Brass flue hat – part number 3126/BR/HAT

## GENERAL PRINCIPLES.

The HOT POT stove is designed to get hot on all surfaces, including the flue pipe, therefore the installer must satisfy themselves that all possible protection is provided in the area where the stove is to be situated. We recommend that the stove should be sited at least 50mm from any bulkhead or fixture, with heat protection used as appropriate. Thought should also be given to some form of guard to prevent accidental touching of any hot surfaces if the boat should lurch suddenly.

## INSTALLATION

The HOT POT must be securely fixed to the boat. As all boats and their owners are different we have left the stove ready for drilling and tapping in the best place to suit any particular installation. Two possible methods are:

### 1. BASE MOUNTING

This is usually achieved by drilling and tapping the base of the stove in four places and bolting down on the floor (which should be re-inforced where necessary). The stove should sit on heat resistant material, such as ceramic tiles on cement, to prevent heat transference downwards. (see sketch)

### 2. BULKHEAD MOUNTING

As an alternative, the HOT POT stove can be mounted on the bulkhead by drilling and tapping the back or sides in four places. In this case it is important to install the heat shield with a 19mm air gap behind, and stagger the bolts to impede heat transfer, (see sketch)

In both cases, a heat shield should be installed on any surface that is within scorching distance of the stove or pipe. This should be metal, with either a heat resistant material behind, or an air gap, to prevent heat being transferred. Sheet steel can be used for this, which can then be coated with black, heat resistant paint.

### 3. FLUE PIPE

The stove has been designed to suit BLUE BAND mild steel gas pipe, 2.1/2" diameter, which is available from any good plumbers merchant, together with bulkhead brackets.

Normally, a straight flue installation would be used, however gentle bends would be acceptable if necessary. A minimum flue height of 1.2 metres is needed to give sufficient draft for good combustion. The fire cement should be used at the joint between the stove and the pipe to prevent smoke escaping and to improve the draw.

### 4. DECK FLANGE

Where the flue pipe goes through the deck head, we recommend that it passes through our bronze water well deck collar (3126/GM/COLLAR). The gap between the pipe and the inside of the collar should be filled with fire cement or high temperature silicone to prevent water ingress.

## LIGHTING AND OPERATION

### 1. FUEL

As a solid fuel stove, the HOT POT will burn most fuels, however, it should be noted that in terms of heat, you get out what you put in. Therefore small pieces of smokeless fuel are far more effective than wet driftwood!

### 2. LIGHTING

No doubt everyone will work out the best method for lighting their particular stove, however we recommend the following is tried first. a) Put a fire lighter on the bottom grate. b) Put on a small amount of smokeless fuel. c) Put another fire lighter on top of the fuel. d) Light the top fire lighter first to warm the flue. e) When the flue is warm, light bottom fire lighter. f) When the fuel is alight slowly add more fuel.

### 3. CONTROL

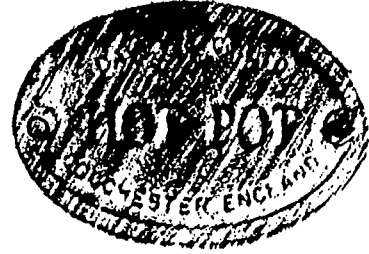
The HOT POT is fitted with a front opening door which, when open, gives maximum draft, and with the door shut, there is a ventilation wheel for fine air control. With small pieces of smokeless fuel it is possible to fill the HOT POT to the top and, as the fire burns, the new fuel drops down in its place 'hopper fashion'. Each installation will produce different burn characteristics of the stove, as will the prevailing weather conditions, however, with experience it should be possible to set the HOT POT to stay alight overnight. As a guide, a fully loaded stove on maximum air inlet will take about 3 hours to burn away, therefore when closed down it will burn for much longer.

To extinguish, simply close the door and ventilation wheel fully.

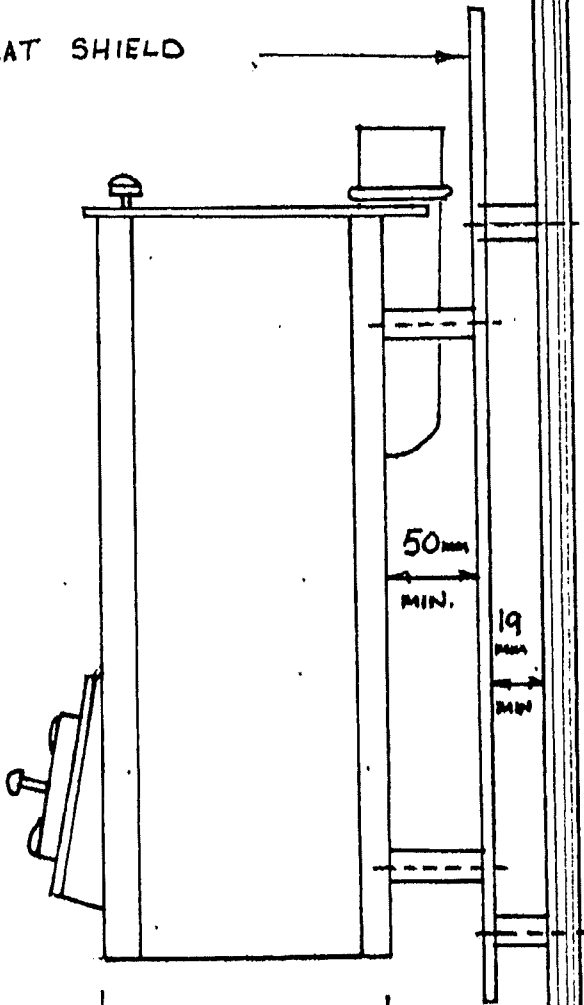
**WARNING: AS WITH ALL FOSSIL FUELS, CARE MUST BE TAKEN TO ENSURE THERE IS NO LEAKAGE OF CARBON MONOXIDE FUMES INTO THE BOAT. THE CABIN SHOULD ALWAYS BE VENTILATED WHEN THE STOVE IS ALIGHT AND THE FITTING OF A CARBON MONOXIDE DETECTOR SHOULD BE CONSIDERED.**

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HEAT SHIELD

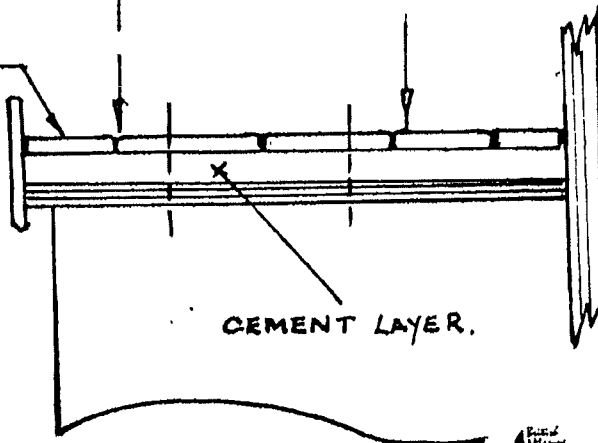


STAGGER FASTENINGS

NOTE AIR GAPS

STAGGER FASTENINGS

TILES



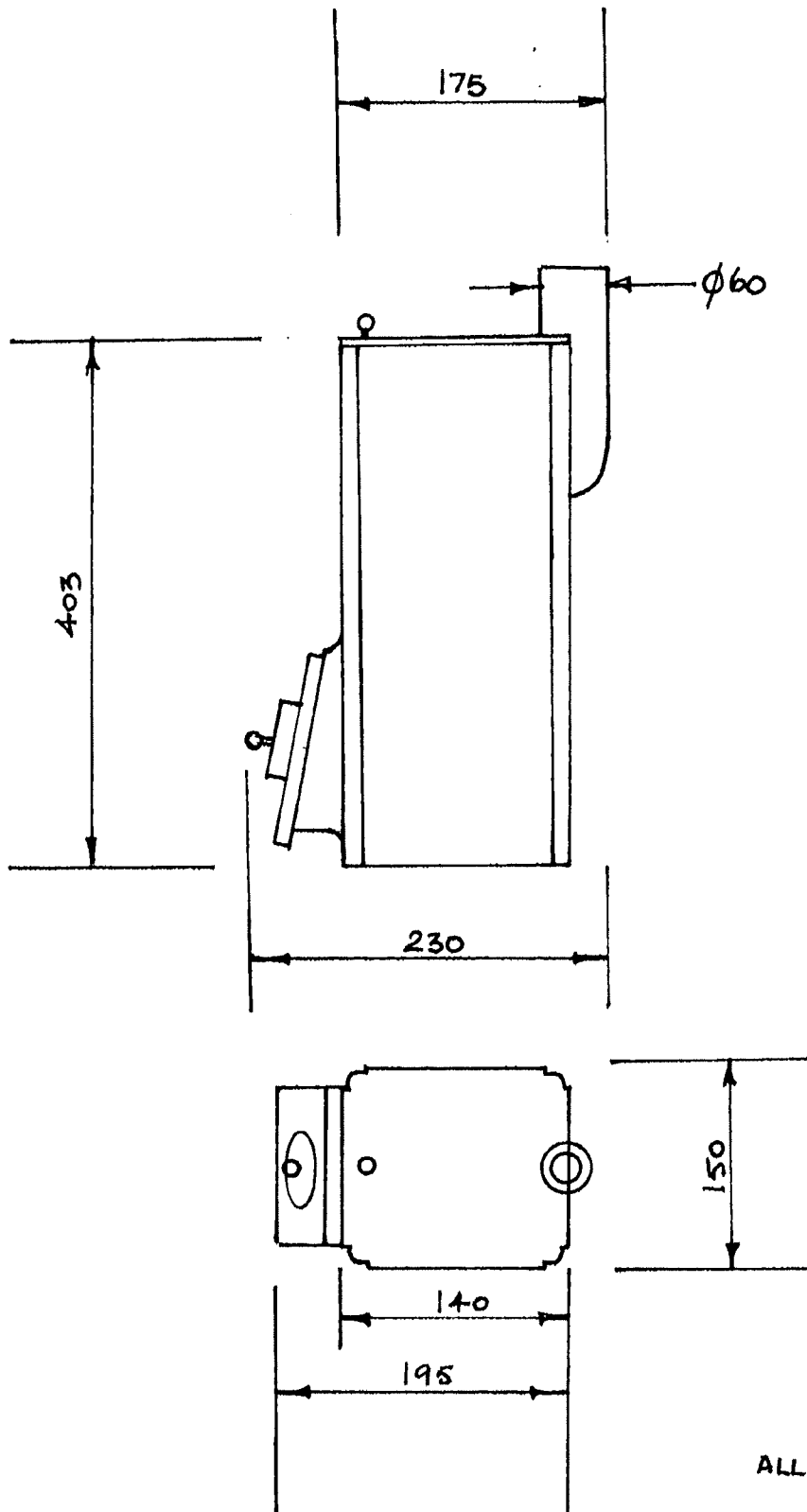
CEMENT LAYER.

ALTERNATE TILED BASE  
 FOR BOTTOM FIXING.





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ALL DIMENSIONS MM.