

### RELAX Stove Installation

This Stove is designed for use in Workshops, Greenhouses and Coach-houses etc.  
 The Stove is designed to burn wood off-cuts, Sawdust, Chips and Shavings.  
 It should be installed in accordance with any relevant Local Regulations and Bylaws.  
 Correct installation is the responsibility of the customer.  
 The combustion process requires an air supply so ensure adequate ventilation is provided.

Packing List (Transit clips holding the Loading Doors in position should be discarded.)

Stove Body; 3 Legs; 2-piece Grate; Ash Door; Tool

Secure the Legs with bolts supplied using the pre-drilled holes around the base.  
 Position Grate in the bottom of the Stove. In the case of the R5, R6 & R7, rest on lugs provided.  
 Put the Ash Door in position over the tags provided.  
 The Tool provided doubles as an Ash Rake and Loading Door Lifting Tool.

The Stove should always be sited on a non-combustible hearth such as a Paving Slab.  
 In the case of timber frames buildings install a heat shield on the wall with 12mm spacers.  
 You must ensure that the Stove is sufficiently distant from any combustible materials.  
 Do not store fuel immediately adjacent to the Stove.  
 Note that heat resistant paint is porous, the Stove will rust if left damp for prolonged periods.

The hole in the Loading Door can be used to fix a handle (not supplied).  
 If you wish to heat a kettle leave Door as supplied and remove Loading Door with Tool.  
 Smoke will not come out of this hole unless you have a blocked chimney.

Model	Diameter (mm)	Height (mm)	KW	Space (m <sup>3</sup> )	Loading Door (mm)	Log Length (mm)	Flue Size (mm)	Outlet	Weight (kg)
Relax R1	300	500	4	60	180	350	90	Top	14
Relax R2	360	570	6	90	215	420	100	Top	18
Relax R3	410	630	8	140	250	470	110	Top	24
Relax R4	440	710	12	200	280	530	110	Top	29
Relax R5	480	790	15	280	310	610	150	Rear	51
Relax R6	560	880	20	370	340	700	150	Rear	69
Relax R7	560	1000	24	460	340	820	150	Rear	73

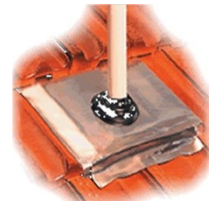
**Warranty** – Twelve months warranty is given provided the Stove is used according to the above instructions. No warranty however can be given on the cast grates and galvanized steel flue pipe and bends as these can be destroyed by incorrect use, or abuse.

## RELAX Flue Installation

The installation should conform to all current Building Regulations and Local Authority Bylaws. Correct installation is the responsibility of the installer.

A Stove is only as good as its flue; a poor flue means poor performance from your Stove. With the **RELAX** range of Stoves the flue pipe comes in one-metre lengths each having a male and female end. Start by putting the first male end of the first length of flue into the Stove and working up from there in the same manner. This ensures that any moisture runs back down into the Stove.

Keep the single wall flue pipe within the building for as long as possible, thus retaining more heat and maintaining a higher flue temperature minimizing condensation. Once outside the building, some form of insulation will improve flue performance as cold or chilled air in the flue is heavy and has to be pushed out of the flue by the rising hot air.



Best draw performance is obtained using a straight flue; this often means using a Tile Flashing. One example, shown on the right, is malleable and soft enough to be moulded over tiles. Another example is a Boot Flashing for use especially on corrugated metal roofs. This second example also has a high temperature variant for use within 2 metres of a Stove outlet.



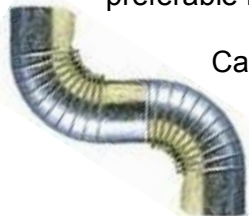
On the top of the flue you need a **Rain Top** (right) or, in cases of a low flue outlet (less than 3Mtrs), where a down draught is expected, we recommend the use of an **Anti-Down Draught Swivel Cowl** (left). This turns with the wind and almost always solves the problem. The rain top or cowl should be held in place with three, self-tapping screws.



A flue height of 3 metres is required to create sufficient draw. Ideally a flue should terminate 600mm above the ridge of a roof and never terminate a flue below the eaves. The ideal situation is to come out of the roof 1metre to the side of the ridge, thus giving the flue maximum support. Longer flue lengths may require the use of a damper to reduce the draw.

If the flue run is unable to go straight up and it has to come out of the wall, use two **45° bends** (right) with a short straight length between them to allow for the wall thickness. Continue the flue run vertically up as far up as possible.

Smoke does not travel horizontally, therefore when using two **90° bends** (left) it is preferable not to have more than 200mm run between them.



Care should be taken at all times to insulate a flue from any combustible material or, at least allow sufficient space to avoid spontaneous combustion.

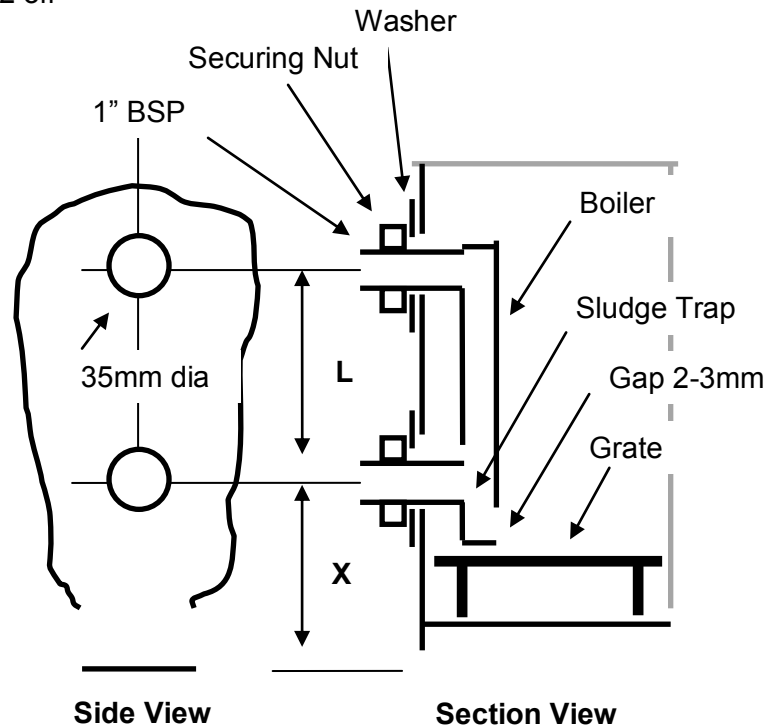
### RELAX Boiler Installation

The Boiler provided is designed for use in a RELAX Workshop Stove being suitable for use in Workshops, Greenhouses and Coach-houses etc.  
 Boiler & Stove should be installed in accordance with any relevant Local Regulations and Bylaws.  
 Correct installation is the responsibility of the customer.

**Packing List** (The red Transit Caps protecting the pipe threads and preventing dirt ingress should be discarded.)  
 Boiler 1 off; Washers 2 off; Securing Nuts 2 off

**Fitting Tools & Consumables required**  
 35mm Hole Saw c/w Arbour  
 Fire Cement

- PROCEDURE** – Refer to Chart & Diagram
1. Mark the centres for 2 holes on either side
  2. Drill pilot holes
  3. Locally cut wire cage to allow pipes to exit
  4. Cut 2 the holes in the Stove body
  5. Insert Boiler in position above grate
  6. Ensure small gap from Boiler to Grate [To allow removal of Grate]
  7. Ensure Boiler Sludge trap is at the bottom
  8. Put Fire Cement around the hole
  9. Place washer on threaded pipe
  10. Screw on securing nut firmly
  11. Install heating system as required
  12. Fill system with correct inhibitor



Boiler Dimension Chart

Boiler Size Btu's	Width (mm)	Height (mm)	Pipe Length (mm)	Distance L (mm)	Clearance Hole dia (mm)	Dimension X (mm)					Boiler Weight (kg)
						R3	R4	R5	R6	R7	
8,000	212	301	100	248	35	114	114	195	195	195	5.3
16,000	215	376	100	306	35	X	126	207	207	207	6.5
20,000	233	453	100	399	35	X	X	195	195	195	8.0
27,000	218	571	100	501	35	X	X	X	207	207	9.2

**Warranty** – Twelve months' warranty is given provided the Boiler is installed and used in accordance with the above instructions.