

# The Relax Principles Wood Burning Stoves

for burning Wood, Shavings, Sawdust and more.

The Primary Air Tube delivers pre-heated primary air (1) for combustion, right to the heart of the fire bed, making it practical to burn wood, sawdust, shavings, chippings and dry waste.

A second valve supplies secondary air (2) into the smokestream, aiding combustion of unburnt hydrocarbons, resulting in a cleaner burn and improved thermal efficiency - producing more heat. It also ensures that the Relax Range complies with the EC Declaration of Conformity EN13240 regarding smoke emissions.

When burning hardwood off cuts, the three larger models will last through the night without attention.

A grate ensures the ash is removed (3) and a small door enables ash removal.

Every Relax Woodburning Stove is fitted with a Safety Guard, a cast iron top rim to aid diffusion of heat, a cast iron Grate for longer life and a Top Plate for refuelling.

Flue components may be available in a variety of materials. Please ask your Dealer for details.



AIRFLOW DIAGRAM

Due to continuous development, we reserve the right to change sizes and specifications without notice. Illustrations shown in this brochure are for illustrative purposes only.

All actual installations must comply with the latest building regulations and relevant installation manuals. All quoted heat output figures are an indicative guideline only.

# The Relax Stoves



Relax Woodburning Stoves - the most economical and environmentally friendly way to heat your Workshop, Industrial Unit or Greenhouse, resulting in cost reduction of waste removal and reduction of heating bills. Payback can typically be less than 12 months.

Burning wood is environmentally acceptable, as the cycle of growing and burning wood is CO<sub>2</sub> neutral.

The Hot Spot also supply a wide range of Woodburning, Multifuel, Gas & Electric Stoves and Fires for the home.

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# The Relax Selections

## Wood Burning Stoves

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### Stove Selection

To help judge what size of stove you need there are two major considerations.

#### Physical Size

The dimensions of a stove assist the design considerations and determine the volume of waste that can be burnt.

#### Heat Production

The heat required for a workshop is about 6 kilowatts per 100 cubic metres

### Flue Selection

#### Main Flue Length

A minimum of 3 vertical metres is required to achieve a reliable draw. Terminate a flue above the eaves of a building and preferably just above the ridge, avoiding unsupported lengths.

#### Bends

Choose from 90o and 45o bends, but smoke does not travel horizontally, so avoid long horizontal sections.

#### Cowls

A standard Rain Top is sufficient for most applications. Swivel Cowls are required for adverse wind conditions e.g. near trees, taller buildings or flue termination below a ridge.

#### Flashings

Where a flue passes through a roof, a flashing will be required.

PRODUCT CODES	DIAMETER X HEIGHT	WEIGHT (Kg)	MAX HEAT OUTPUT	CUBIC FEET	CUBIC METRES	FLUE DIA	OUTLET	MATERIAL
R1	300 x 500	14	4kw	2100	60	90mm	TOP	GALV or VIT
R2	360 x 570	18	6kw	3200	90	100mm	TOP	GALV or VIT
R3	410 x 630	24	8kw	5000	140	110mm	TOP	GALV or VIT
R4	440 x 710	29	12kw	7000	200	110mm	TOP	GALV or VIT
R5	480 x 790	51	15kw	9900	280	150mm	REAR	S/S
R6	560 x 880	69	20kw	13000	370	150mm	REAR	S/S
R7	560 x 1000	73	24kw	16250	460	150mm	REAR	S/S

## The Relax Flue System



## The Relax Boilers



You can now add a boiler to your Relax Workshop Heater to reduce hot water and feed up to 5 Radiators!

**Retrofittable to your existing Relax Workshop Stove!**

See chart below for stove/boiler compatibility

Stove/boiler compatibility Chart

Model	R3			R4			R5			R6			R7		
Max Output (kW)	8			12			15			20			24		
Boiler Output (BTU)	Room	DHW	Rads	Room	DHW	Rads	Room	DHW	Rads	Room	DHW	Rads	Room	DHW	Rads
8,000	5.5	✓	-	9.5	✓	-	12.5	✓	-	17.5	✓	-	21.5	✓	-
16,000	-	-	-	7.0	✓*	2	10.0	✓*	2	15.0	✓	2.0	18.0	✓	2
20,000	-	-	-	-	-	-	9.0	✓*	3	14.0	✓*	3.0	18.0	✓*	3
27,000	-	-	-	-	-	-	-	-	-	11.0	✓*	5.0	15.0	✓*	5

✓ - Rear or Side Boiler    ✓\* - Side Boiler only