



DON'T FORGET, THE ErP DIRECTIVE IS EFFECTIVE FROM



And remember, it's an opportunity to sell better, more efficient boilers and up-sell other products

THE REGULATION

ErP and labelling is mandatory and failure to comply with the regulations can result in a fine and in the worst cases, prosecution.

THE FUTURE

This is the first step onto a longer road for ErP. We know that in 2017 the cylinder scale will be extended to A+ to G and in 2019, after the review of the Regulation, a new A+++ rating will be added to space heaters.

Plumb & Parts Center will keep you up to date with all the developments and support you in the practical issues related to the ErP programme. Visit our websites for updates and further information.

ErP FREQUENTLY ASKED QUESTIONS

I bought a boiler without an energy label before 26 September but will not sell it to my customer until after that date. Do I need to get a label?

No. The regulations apply only to products and packages placed on the market on or after 26 September. A product is placed on the market when it is sold to a merchant or installer so any products in the supply chain before the implementation date do not require an energy label. Merchants will also be able to sell unlabelled products after the 26 September providing they were already in stock.

What is the definition of a water heater?

A water heater means a device that:

- a) is connected to an external supply of drinking or sanitary water;
- b) generates and transfers heat to deliver drinking or sanitary hot water at given temperature levels, quantities and flow rates during given intervals; and
- c) is equipped with one or more heat generators.

What is a product fiche?

A product fiche is a table of technical information that a manufacturer of heating or hot water products is required to provide.

Do I need a package label if I sell or install a boiler or heat pump with a hot water cylinder?

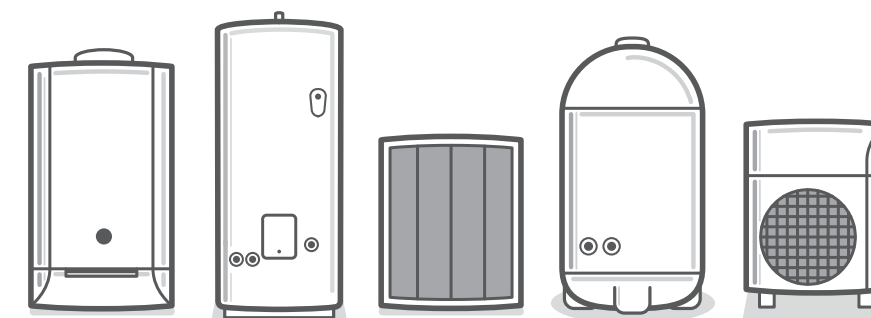
No, a single heat generator and a hot water cylinder does not require a package label.

Do I need to provide a package label if there is an existing temperature control system?

A package label is only used if you are supplying new components. If you are simply replacing a boiler or heat pump and using existing controls then you are not required to provide a package label.



ErP OBLIGATIONS AND OPPORTUNITIES EXPLAINED



Visit plumbcenter.co.uk for our useful package calculator and label generator

Visit plumbcenter.co.uk for our useful package calculator and label generator



plumbcenter.co.uk
partscenter.co.uk



Whilst every care has been taken to confirm the accuracy of the information presented (at time of print) and to describe the regulatory implication in; Plumb and Parts Center cannot be responsible for errors or omissions or for any consequences from application of the information given.



plumbcenter.co.uk
partscenter.co.uk



ENERGY RELATED PRODUCTS AND ENERGY LABELLING

The Energy Related Products (ErP) directive is an EU regulation that will affect many products in both their design and in the requirement for an energy label to be included with each qualifying product. The idea is to allow consumers to compare the efficiency of products using a common and easy-to-understand graphic label and encouraging them to buy more efficient products.

PRODUCT LABELLING

From **26th September 2015** the following products will be required to carry an ErP energy efficiency product label:

- ▶ Heating devices below 70kW
- ▶ Electric Showers
- ▶ Water heaters, storage water heaters, hot water storage tanks (cylinders) with a rated output below 70kW and 500 litres

The product manufacturer is responsible for having each product tested and then supplying a copy of the relevant ErP label together with a table of product information, called a product fiche. The label and fiche can usually be found included with the manuals and have to be provided to the end consumer.

The label is a similar format to the current energy labelling on white goods that consumers are all now familiar with.

Boilers

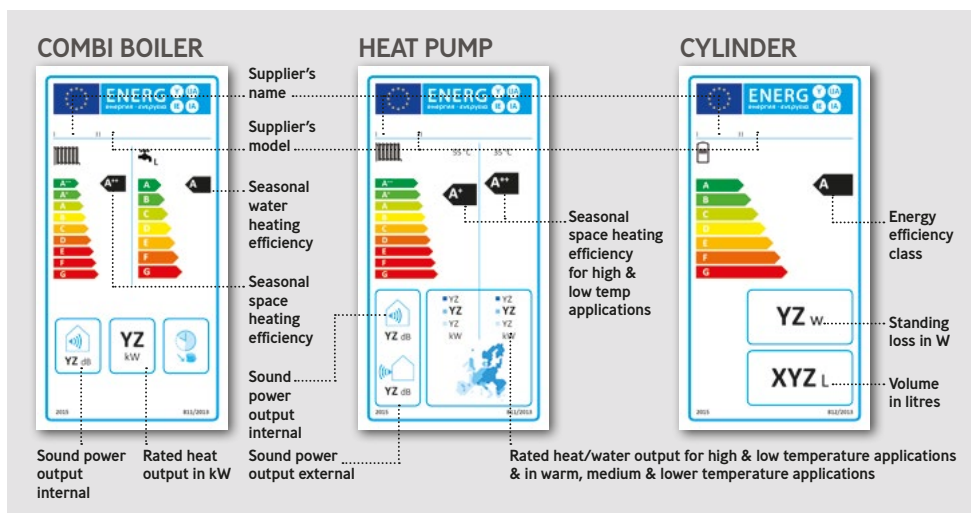
The label for boilers and combis will identify the efficiency band for heating and (where relevant) hot water production, and the internal sound power level together with the rated output. Boilers will be rated A++ to G.

Heat Pumps

Heat pump labels will show the efficiency ratings at 2 temperatures 35°C and 55°C together with internal and external sound levels (where relevant) and the rated output across two indicative European temperature zones. In the UK we are in the 35C zone and so this rating should be used. Heat pumps will be rated A++ to G.

Cylinders

The ErP rating of an indirect cylinder is defined based on its standing loss, so the smaller the capacity of the cylinder generally the higher the ErP rating. A direct cylinder will indicate the annual power consumption in kWh. Cylinders will be rated A to G.



As a guide:

- A high efficiency boiler will generally be in the A band
- Heat pumps will be in the A+ or A++ band
- Micro-CHP will be in the A+ band.

This label must be supplied with the product to the end customer.

PACKAGE LABELLING

A package label is required when specific combinations of heating products and components are sold and installed together. A package is defined as 2 potential options:

1. A heat generator (boiler, water heater, heat pump or micro-CHP) fitted with a temperature control device and/or a solar device (collector/cylinder)
2. A water heater and a solar device (collector/cylinder)

Non-solar cylinders, although they have an ErP product label, are not included in the ErP package label calculation.

All products included in the package label each have an individual efficiency rating. The package label is dependent on the combined efficiency rating of the overall system of the products when fitted together as a package.

The installer is in the best position to advise consumers and is therefore the best person to generate the package label.

The package calculation is a simple process of adding together the efficiency of the individual components. To make package labelling easier for Installers, Plumb Center has developed an ErP package calculator and label generator. Visit plumbcenter.co.uk and click on ErP.

THE OPPORTUNITY

The most common form of package will be a boiler fitted with a control and this represents a great opportunity for installers to sell more efficient boilers and controls by up-selling customers from an A rated package to a more efficient A+ rated package.

Controls are defined into 8 classes each giving a different efficiency figure.

CLASS RATING	PRODUCT/USAGE	% RATING
CLASS I	ON/OFF ROOM THERMOSTAT: Room thermostat that controls the on/off operation of heaters	1%
CLASS II	WEATHER COMPENSATOR CONTROL: For use with modulating heaters	2%
CLASS III	WEATHER COMPENSATOR CONTROL: For use with on/off output heaters	1.5%
CLASS IV	TPI ROOM THERMOSTAT: For use with on/off output heaters	2%
CLASS V	MODULATING ROOM THERMOSTAT: For use with modulating heaters	3%
CLASS VI	WEATHER COMPENSATOR & ROOM SENSOR: For use with modulating heaters	4%
CLASS VII	WEATHER COMPENSATOR & ROOM SENSOR: For use with on/off output heaters	3.5%
CLASS VIII	MULTI-SENSOR ROOM TEMPERATURE CONTROL: For use with modulating heaters	5%

How to achieve an A+ Rated Package

1. Check the efficiency of the boiler by referring to the product "fiche" which can usually be found with the installation manual. All boilers sold in the UK will be A-rated however more efficient A-rated boilers (93%/94%) will allow you to achieve an A+ rated package (98%)
2. Fit a Class VI control (+4%) with a 94% efficiency boiler or a Class VIII (+5%) control with a 93% efficiency boiler. The control class can usually be found on the box or in the instruction manual.
- 3.) This gives you a 98% efficiency package which is A+ rated.

For example, starting with:

Boiler A rated (93%) + Control Class I (1%) = 94% **A**

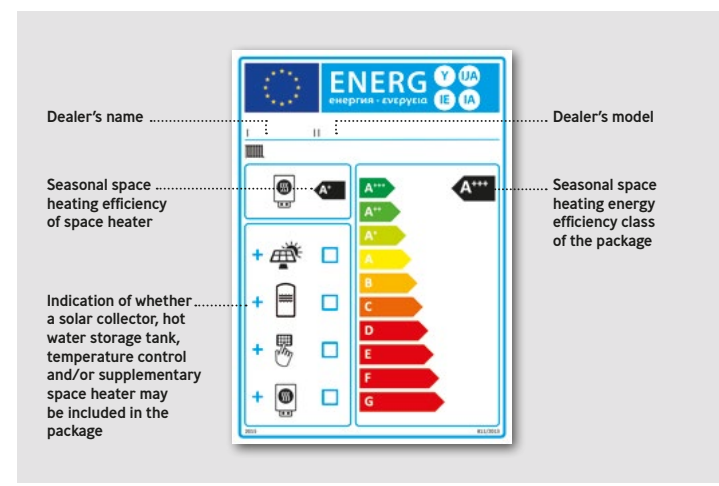
By substituting the control device, you can increase the package efficiency:

Boiler A rated (93%) + Control Class VIII (5%) = 98% **A+** **Improved rating**

4. Visit plumbcenter.co.uk and input the 2 component efficiencies. Your label will be automatically generated as a pdf.
5. Give the label to the homeowner (email is fine).
6. The consumer is now the owner of an ErP A+ rated package.

THE FINAL LABEL

- ▶ A+++ ≥ 150%
- ▶ A++ ≥ 125%
- ▶ A+ ≥ 98%
- ▶ A ≥ 90%
- ▶ B ≥ 82%
- ▶ C ≥ 75%
- ▶ D ≥ 36%
- ▶ E ≥ 34%
- ▶ F ≥ 30%
- ▶ G < 30%



The installer is responsible for providing the package label to the customer.