

## ICER HAZARDOUS WASTE GUIDANCE

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### HEAT PUMP TUMBLE DRIERS

Some tumble driers known as 'heat pump' tumble driers contain refrigerant. They are therefore hazardous waste EWC 20 01 35\*.

Heat pump tumble driers must be stored with fridges and sent to a fridge treatment plant. All other tumble driers can continue to go with LDA.

#### What A Heat Pump Tumble Drier Looks Like

It will have a water container like this on the front:



and a label on the back to say it contains refrigerant gas, like one of these:



The backs of heat pump driers are normally plastic like this one:



Heat pump tumble driers are heavier than other tumble driers. Take care when lifting.

## About Heat Pump Tumble Driers

Tumble driers can be either vented or condensing. Condensing models collect water in a container rather than venting steam to the outside and are becoming increasingly popular. They use less energy and do not need to be located on an outside wall.

Heat pump driers are the most energy efficient condensing driers. They work with a coolant known as R134a or F-gas. This is the same coolant that is used in refrigerators. A typical heat pump drier contains ten times the amount of refrigerant as an average fridge.

Waste heat pump condenser driers are therefore hazardous waste EWC 20 01 35\*. At HWRCs they must be stored with fridges and sent to fridge plant for treatment.

All condenser driers will have a drawer on the front to collect water. Heat pump models will also have a label on the back saying they contain refrigerant. They are also likely to be 50% heavier than vented tumble driers and should be handled with care.

Sales of heat pump tumble driers are growing at 26% per annum. At the moment there are relatively few coming into the waste stream, but this will increase over the next few years.