

## What you need to know

European legislation has banned the production of disposable R134a cylinders. Automotive users of R134a now need to purchase reusable cylinders that can be refilled by an authorised supplier, such as BOC.

BOC will supply you with robust, clearly labelled, safety-checked cylinders full of high quality gas.

We can collect or exchange your empty refillable BOC cylinders ensuring you comply with the legislation for the recovery of residual gas from the cylinders at the end of use.

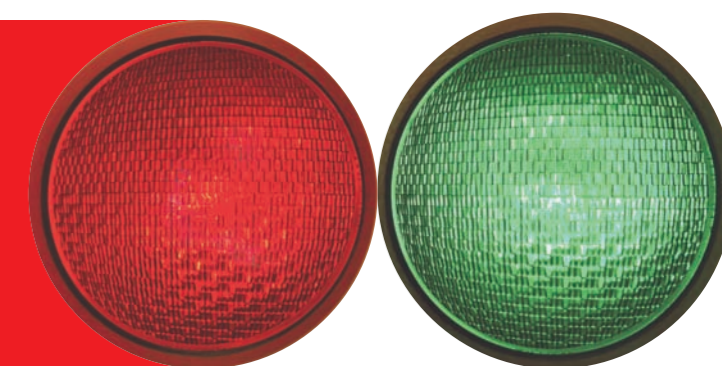
High standards of quality, service and environmental care are core to our business - meaning we can help our customers in their compliance, and to gain maximum efficiency and effectiveness from the change.

We offer a next-day delivery service to most areas of the UK and Ireland and a collect facility from any of our national retail stores.

BOC is able to supply a range of refillable cylinder sizes from 9.5 kg and 12kg to 65kg. We believe we are the only supplier of the R134aUV refillable cylinder - containing an ultraviolet dye to aid leak detection.

BOC provide you with a convenient 'one stop shop' for all your industrial gas requirements. Make life easy by adding refrigerant gases to your next welding gas order.

# Go green via red



A growing part of everyday life – at work, in our homes and increasingly in our cars – refrigeration and air conditioning is something that we all take for granted. But in this evermore environmentally conscious world, we're becoming increasingly aware of the detrimental impact that certain refrigerant gases have on the ozone layer and their contribution to global warming..

Among these is R134a, widely used throughout the automotive industry in vehicle air conditioning units, which produces a global warming potential (GWP) measurement 1,300 times that of carbon dioxide – the gas usually held responsible for global warming. This is substantiated by DEFRA studies which report that the discarding of disposable cylinders into landfill causes an estimated 80 tonnes of residual gas to leak into the atmosphere every year, equal to over 100,000 tonnes of carbon dioxide.

In July 2007 the European Parliament introduced legislation (Regulation (EC) 842/2008) under the Kyoto protocol, governing the usage, labelling and containment of all fluorinated gases (F Gases) used in vehicle, commercial and domestic air-conditioning units. This also included a ban on the production of disposable cylinders.

Automotive users of R134a now need to employ reusable cylinders that can be refilled by their supplier. But while many of the major corporate service groups have already implemented the legislation and started to use reusable cylinders, it's clear that the vast majority of the aftercare market is unaware of the regulations and options available to them.

### How will it affect you?

While some stocks of disposable cylinders still exist these are being phased out and once exhausted you'll only be able to purchase R134a in a reusable cylinder from an authorised supplier. So it makes good

business sense to make the necessary changes now so that you're better prepared when the supply eventually runs out.

Some of the smaller suppliers are offering for sale refillable but non returnable cylinders. This not only goes against the spirit of the legislation but also passes the legal responsibility and the financial cost to you. With these type of cylinders you'll be required to recover the residual gas and return the cylinders to a dedicated waste management company for the recovery and disposal.

At BOC we'll not only supply you with clearly labelled, safety-checked cylinders full of high quality gas but as a licensed waste management company we'll ensure that your any residual waste in your empty cylinders is treated in accordance with the legislation – so you no longer have to worry about disposing of the cylinder or the gas.

### Global cooling from BOC.

As the UK's largest supplier of gases, BOC's reputation has been built on working in partnership with both our customers and the regulatory authorities to achieve a more sustainable supply. In doing so, we ensure that the highest standards of quality, service and environmental care are a core part of our mission and are adhered to at all times.

As such, we believe that we have a responsibility to drive and set the standards for this new legislation and help our customers in their compliance and to gain maximum efficiency and effectiveness from the change. One such customer is Kwik Fit, one of the nation's leading automotive aftercare outlets.



Product	Part Number	Cylinder Size	Capacity Kg	TARE weight	Valve fitting
R134a	285251-BA	BA (small)	12 kg	9 KG	BS 6
R134a	285252-BK	BK (large)	65 kg	33 KG	BS 6
R134aUV	161711-BA	BA (small)	9.5 kg	9.5 KG	BS 6

Returnable cylinders have a different valve outlet from disposables that require an adaptor to enable connection to hoses. Part Number 842209.

## Gas that doesn't cost the earth.

The new legislation will of course help you to fulfil your corporate social and environmental obligations and demonstrate your commitment to customers, stakeholders and shareholders alike. But corporate responsibility aside, there are good business reasons for switching to reusable cylinders.

### Legislation

When ordering a new supply, BOC will either collect or exchange empty cylinders, ensuring that users comply with the legislation in recovering any residual gas from the cylinders at the end of use.

### Supply

Through its national distribution network and retail outlets, BOC can offer a next-day delivery service to most areas of the UK and Ireland. For additional convenience BOC can combine delivery of R134a cylinders with your other industrial gas requirements such as oxygen and acetylene.

To find out more about how BOC can support you and your business through these changes, speak to your account manager or call free on 0800 111 333 or visit [www.bocindustrial.co.uk](http://www.bocindustrial.co.uk).

### Choice

Unlike the former disposable cylinders which were only available in 13kg cylinders, BOC is able to supply a range of refillable cylinder sizes from 9.5 kg and 12kg to 65kg, to meet your specific needs. For product choice, BOC believes that it's the only supplier of the R134aUV refillable cylinder, which contains an ultraviolet dye to aid leak detection.

### Safety

The new cylinders are more robust and have a more secure valve outlet that requires an adaptor to connect the hoses to the system. Additionally, the content and integrity of every cylinder is tested before it is filled and dispatched.

### Training

Each BOC employee has undergone industry recognised training in the safe handling, storage and transport of compressed gases and will always be happy to advise you.

## Kwik-Fit shows the way.

When the legislation came into effect in July 2007, on recommendation from BOC, Kwik-Fit took the initiative and implemented an immediate change across its national network, replacing its disposable cylinders with reusable models. Within just two months, BOC had supplied over 850 reusable cylinders to 670 centres nationwide.

Kwik-Fit centres across the UK are equipped with facilities to service and recharge air conditioning units and at its peak BOC were supplying the group with over 2000 disposable cylinders (over 28 tonnes) of R134a a year, as well as all their industrial gas and equipment

requirements. Gordon Brodie, National Equipment Manager at Kwik-Fit explains. "As we continue to expand the range of services we offer, we're also seeking ways to reduce our impact on the environment. We recognise the importance of this legislation in reducing the effects of global warming, so it was vital that we took a leading role in adopting the regulation."

The group services 7.5 million customers a year and is Europe's largest fast-fit provider recharging and cleaning their air-conditioning units at more than 1,800 centres. Following initiatives to reprocess other waste products such as tyres, filters and oil, this is further evidence of how seriously Kwik-Fit takes its social and environmental responsibilities