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09

FACTSHEET

Recovering fluorocarbon refrigerant from end-of-life and damaged RAC equipment: what you need to know

If you recycle, dismantle or demolish equipment such as split system and window air conditioners, domestic refrigerators and freezers and air conditioning systems in vehicles that contain fluorocarbon refrigerant, you will need to obtain a Restricted Refrigerant Recoverer Licence and Restricted Refrigerant Trading Authorisation.

End-of-life and damaged refrigeration and air conditioning (RAC) equipment, are commonly handled by local councils, auto recyclers, scrap metal recyclers, auto dismantlers and demolition contractors. This type of equipment is likely to contain fluorocarbon refrigerant gas which, unless recovered correctly, will deplete the ozone layer if discharged into the atmosphere, as well as contribute to global warming. In fact, 1 kg of fluorocarbon refrigerant emissions (HFC - R410a) has the same greenhouse impact as 2 tonnes of carbon dioxide, which is the equivalent of running your car for 6 months.

Under the *Ozone Protection and Synthetic Greenhouse Gas Management Act 1989* (the Act) which recognises the harmful effects of fluorocarbon refrigerant gas, it is an offence to discharge fluorocarbon refrigerant into the atmosphere, regardless of quantity. The Ozone Protection and Synthetic Greenhouse Gas Management Regulations 1995 specify the refrigerant recovery process must be undertaken by a licensed person and the recovered refrigerant can only be stored and disposed of by an authorised business.

Restricted Refrigerant Recoverer Licence (RRRL)

The RRRL will enable an individual to recover fluorocarbon refrigerant from end of life or damaged equipment. Three types of RRRL are available:

- Recovery from stationary equipment (home air cons, refrigerators).
- Recovery from automotive air conditioners.
- Recovery from both stationary and automotive systems.

To apply for the RRRL the applicant will have to complete the following processes:

- Successful completion of the prescribed unit of competency or skill set, or a knowledge assessment and practical component, as demonstrated to an approved assessor.
- Make sure they are appropriately licensed to do the training.
- Locate an ARC licensed assessor to assist with training and assessment.
- Complete training.
- Complete Assessment.
- Apply for the RRRL.

All the relevant information for obtaining the RRRL is available at www.arctick.org/RRRL

Restricted Refrigerant Trading Authorisation

If you are recovering fluorocarbon refrigerant, then you will need to apply for a Restricted Refrigerant Trading Authorisation. This authorisation allows organisations to recover, store and dispose of fluorocarbon refrigerant.

How to dispose of fluorocarbon refrigerant once recovered

- Rent, buy or take on deposit a recovery cylinder from a refrigeration gas wholesaler.
- Use the cylinder to recover used and contaminated refrigerants from damaged or end of life RAC equipment.
- Return full recovery cylinders to the refrigeration wholesaler. The returned refrigerant will be weighed and you will be eligible for a credit for each kilogram of recovered refrigerant.

What happens to refrigerant once it's disposed of?

Refrigerant Reclaim Australia (RRA), through its partnerships with refrigerant wholesalers, has over 500 collection points across Australia. Through this national collection service, recovered refrigerants are transported to a secure facility in Melbourne where they are destroyed using an Australian-developed plasma-arc process. This process transforms fluorocarbons into harmless salty water.

For more information and to apply, please visit www.arctick.org or call the Australian Refrigeration Council on 1300 884 483.