



Manufacturers Approval

Engas Australasia and our Authorised Distributors are often asked about Air conditioner Manufacturer's approval for the use of Engas Hydrocarbon Refrigerants in their equipment. We have outlined our response below.

Whenever people buy or pay off a loan on a piece of equipment – whether it be a car, mobile phone, refrigerator or air conditioner – they own it. They should be free to do whatever they want with it. Least of all they should not have to seek permission from the manufacturer or their government.

Many manufacturers will say that their airconditioning or refrigeration equipment was not designed for hydrocarbon refrigerant. We say our Engas hydrocarbon refrigerants were designed for their equipment. This is of course subject to the equipment passing a safety analysis. If the equipment cannot be retrofitted safely then it should not be converted.

It is not up to the manufacturer to determine after-market practices. It is not the manufacturer of the equipment that decides whether a retrofit is suitable or not. This is a matter for a competent person experienced in the particular field or sector and at the discretion of the owner of the equipment subject to contractor advice. Both the supplier and the owner have absolute authority in this regard subject to relevant standards.

It is not a manufacturer's duty to approve all possible materials, parts and components that might be used in air conditioning or refrigeration systems during their life span. In a fast changing world it is often impossible to anticipate all subsequent developments involving parts and materials. **Typically, manufacturers will only approve the use of Original Equipment Manufacturer parts, for obvious commercial reasons.**

If the equipment is still covered by a manufacturer's warranty then the owner of the equipment will still be covered by that warranty. Australian law prohibits manufacturers from denying a warranty claim even if equipment they've manufactured has been modified. They can only deny it if the modification reasonably contributed to the fault. Please see the Engas Warranty Statement for further details.

An air conditioning or refrigeration system that has been converted to, or installed with, an Engas Hydrocarbon Refrigerant by a refrigeration engineer or technician properly trained in the installation of Engas refrigerants (and installed in accordance with correct procedures and standards) will not cause damage to that machine. In fact it will be better for that machine and the owner will save a substantial amount of money in electricity consumption costs.

Further Important Information.

- 1) Hydrocarbon Refrigerants are promoted for use by the United Nations Environment Programme.
- 2) Hydrocarbon Refrigerants are recognised as proper refrigerants by the World's leading HVAC Industry Bodies such as ASHRAE & AIRAH. They are given designated 'R' numbers such as R290 & R600a etc.
- 3) Hydrocarbon Refrigerants are environmentally friendly.
- 4) Hydrocarbon Refrigerants are energy efficient.
- 5) Hydrocarbon Refrigerants have lower operating temperatures and excellent lubricating properties.