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The r-134a is popularly known as Tetrafluoroethane. It hails from the family of HFC refrigerant. This is mostly used for the air conditioners. These fluids absorb the heat at a lower temperature and at the same time when there is higher temperature it rejects the heat. This helps the air conditioners to work properly and give the required cooling for the rooms. The pressure temperature relationship helps in better working of the air conditioners. In the industry the trade name for various kinds of refrigerants starts from â€˜Râ€™.

The r-134a is being widely used by the air conditioner manufacturers after they have come to know about the damages the CFC and HFC is creating in the ozone layers. The HFC refrigerant is being used as a replacement for the CFC and HFC gases as this does not damage the ozone layer in the atmosphere. The refrigerant has various chemical compositions. They are made up of hydrogen, fluorine and carbon hence it is known as HFC. Since r-134a does not include the chorine atom there is minimal damage to the ozone layer. Since most of the refrigerants contain chlorine atom it is a threat to the ozone layer.

The r-236fa is considered as most safe for the centrifugal, rotary screw, compressors and scroll. This refrigerant can be handled in a normal condition as it is safe. The product is non toxic, non flammable and the best part is that it is non corrosive. You need not worry any more for the metal getting corroded. The product is at present being used as the replacement for the R-114 and R-124 CFC. Most of the latest automotive machines are using the r-236fa for their air conditioning systems. The industries which are into the manufacturing use this for the purpose of plastic foam blowing. Even the pharmaceuticals industry uses this refrigerant. It is used as a propellant.

The r-236fa is available in a gas form. When it is exposed to the environment the boiling temperature is 250 - 500C. This refrigerant is not generally compatible with the lubricants and the mineral based refrigerants. These mineral based and refrigerants are used in R-12. In order to make r-236fa compatible for the usage in mineral and lubricant based machines it is necessary to change the design of the condenser and the evaporator. The system should have smaller hoses and the pressure control regulations have to be increased in order to get better compatibility of r-236fa. This refrigeration has a global warming potential of 1200 and the cylinder is blue in color.

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Alex Rehnols is a USA Author Working With refrigerantcompany.com as an marketing manager. The Refrigerant Company sells virgin (brand new, never used) refrigerant products nationwide. We manufacture the following refrigerants :a R-134A,R-410A,R404A,a R-236fa,HFC-125 all at direct from the manufacturer prices.

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