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The r-404a is the refrigerant which is used to cool the refrigerators. The refrigerant is the material which is used to cool the heat with the help of the process known as reversible phased transition. In this process the liquid is turned into gas. The r-404a is the replacement for the R-22 and R-502. The usage of R-22 and R-502 has decreased because it contains chlorofluorocarbon which is harmful for the people to use and also harmful to the environment. Till now most of the companies have been using the R22 and R502 refrigerants for the refrigerators and air conditioners but due to the problems in ozone layer and also many harmful and toxic chemicals are being emitted which is harmful to the human beings; the companies have reduced the usage of these refrigerants.

The r-404a is the most ideal refrigerant for the refrigerators since this helps in preventing the ozone depletion. They have thermodynamic properties. These refrigerants have a non corrosive property due to which the metals do not corrode easily. They are eco friendly and can be handled in normal conditions. The r-404a is non toxic and non flammable. This refrigerant is also known as azeotropic. The main elements or chemicals included in this particular refrigerant are 52% of R-143a, 44% of R-125 and 4% of R-134a. Since the R-22 and R-502 has chloride atom in it the r-404a is the best replacement of this particular refrigerant. The main precautions to taken while handling this refrigerator is that it could create burns or frostbite if the gas is not handled in the proper way.

The r-410a is also one of the refrigerants which are used for refrigerators. They are sold under various trademark names. Unlike other refrigerators which are used for the refrigerators this does not lead to ozone depletion. The r-410a uses the fluorine for the purpose of refrigeration and hence can be sued without any harm to the human lives. In spite of all this it has a high risk of global warming attached to it.

The r-410a is more energy efficient and is considered as the life blood for the air conditioners and refrigerators. It has replaced the R-22 refrigerants which are mostly used in the industrial, commercial and residential purpose. The r-410a operates at much higher pressures and hence the parts should be specifically designed for the same. They require to have trained professionals to use them; the tools required for their servicing is also a varied one and those who manufacture the goods using r-410a should have specific certifications for the same.

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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 : R-134A ,a R-410A,a R404A, R-236fa, HFC-125 all at direct from the manufacturer prices.

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