A/C Charging Scale

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When repairing and refilling an air conditioning system, getting the exact amount of coolant in the system right is essential if you want it to work properly. This is where A/C charging scales come into their own. These handy tools work in conjunction with your AC coolant recycling equipment to refill the AC system properly and get it completely correct.

The more accuracy that you can work with when adding the coolant to an AC system, the better it will work, and the less likely it is for anything to go seriously wrong with it in the near future. A/C charging scales are designed to provide a pre determined amount of coolant such as Freon into the system in order to get the system filled up as efficiently as possible.

An A/C charging scale is a tool that is designed to help you to get the right amount of coolant prepared for loading the AC. In general, an air conditioning system will be rated to contain a specific amount of refrigerant in order to work correctly. This is done by weight rather than volume, as this can vary greatly dependent on temperature.

When the refrigerant has been purified correctly, it can be weighed using an A/C charging scale to gauge the correct amount. Then it can be injected back into the air conditioning at the correct pressure to make it work correctly.

There are a number of important EPA guidelines to consider whenever you deal with CFC coolants such as Freon. These chemicals are very volatile, and have been linked with doing serious damage to the ozone layer. This important part of the atmosphere is the main protection for the planet from ultra violet radiation from the sun. The ozone layer protects our lives, and since the 1980s, when concerns about the effect of CFCs on the ozone layer first became important, governments around the world have put in place specific guidelines designed to limit the amount of CFC gases that are released.

A number of manufacturers produce a wide range of different A/C charging Scales to suit all different sized jobs. There are a number of factors to consider when choosing the right equipment for your workshop in order to ensure that it is compatible with the kind of work you want to carry out. Things to look out for are the ability to measure accurately over a wide range of different volumes and the simplest operation possible.

Features that you should expect as standard on an A/C charging scale to make it as simple to use as possible include factors like auto zero on the scales, the capacity to take relatively large weights of 110oz or more, and maintain an the highest levels of accuracy to get the perfect levels coolant to fill the AC properly.

Manufacturers like Infinicon offer high tech solutions that will allow you to effortlessly get the quantities right in advance of loading them into the AC system, while at the other end of the spectrum there are a number of different and more simple systems available from well known and highly respected tool makers such as Robinair that are much more straightforward.

Whether you opt for a standard measuring pressure system that will connect to a complete range of AC systems and inject the coolant directly from the tool, or alternatively opt for an A/C charging scale that lets you measure out the correct amount of CFC coolant in a separate vessel, you will still have to keep to the relevant guidelines and ensure that you only use the correct amount of coolant to prevent the unnecessary and uncontrolled release of this potentially dangerous substance.

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