



**You should never have to add Freon to your AC...
unless you have a leak.**

Contrary to popular belief, including some poorly trained "technicians", air conditioners and heat pumps do not consume refrigerant, otherwise known as Freon. Freon does not wear out, dissipate, or just disappear. If you are low on Freon, **you have a leak somewhere in your system** that needs to be addressed before adding more refrigerant.

**Send your technician packing if he says you need your Freon,
"Topped Off"!**

There are several types of Freon leaks that you should be aware of.

- **Schrader valve leak** - these valves are just like the valves on your car tires and allow the technician to access your system to check Freon levels. The rubber in these valves can deteriorate over time and allow refrigerant to leak from your system.
- **Tube or u-tube leak** - a capillary or distributor tube in the evaporator coil or in the outdoor condensing coil could develop over time from vibration and metal parts rubbing together. Your coils contain hundreds of welds and the connections can form leaks over time. These copper tubes can also develop pinhole leaks for "formicary corrosion" which is an acidic reaction between the copper and common household chemicals. These leaks are the most difficult to find and repair because disassembly of the system is necessary to locate the exact location of the leak. Replacement may be your best option for these leaks.
- **Line set leak** - the copper line set that carries the refrigerant from your indoor coil to the outdoor condensing unit often runs in the voids in your walls and inside near the roof. This line set can become damaged if care is not taken when replacing your roof or siding.

**Ignoring a leak and "hoping to get through the season" is not the
answer.**

Refrigerant leaks can cause many problems that lead to higher energy bills and premature system failure.

- Low Freon levels reduce the overall efficiency and cooling capacity of your system resulting in extremely high energy costs.
- Low refrigerant can cause your evaporator coil to ice up and leave you with little to no air flow; always on the hottest day of the year.
- Refrigerant whether the older R22 or the new 410a is designated as an environmentally hazardous substance by the EPA when released into the atmosphere. RS Andrews' technicians will not knowingly add refrigerant to a leaking system.
- The heart of your air conditioning system is the compressor located in the outdoor unit. Freon supplies lubrication to the many, rapidly moving parts of your compressor. Low refrigerant levels will cause overheating and premature failure of your compressor. Imagine running your car without oil. Ouch! This can often result in a complete replacement of the compressor or your entire system.

"An ounce of prevention is worth a pound of cure"

Don't let your system die on the hottest day of the year. Call RS Andrews today and have our trained expert HVAC technician come out repair your system before it becomes an emergency. Your technician can also show you many options available to keep your home comfort system clean and running strong toward a long life.

770-454-1800

Sincerely,

Ralph Brooke
Service Manager

The trade name Freon ® is a registered trademark belonging to DuPont.