



raise

REFRESH AC AUTO

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FAQ's

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1. Your Intertek Lab test from 2009 shows you tested using R-22. Is REFRESH AC AUTO™ Compatible with newer 134-a refrigerant?

Yes. The March 18, 2009 ETL test report indicates that R-22 was used in place of the 134-a. This was done to show backward compatibility for older vehicles. This note is on page 1. REFRESH AC AUTO™ is compatible with all oils, and all refrigerant types used in various types of vehicle air conditioning systems for automobile and trucks. REFRESH AC AUTO™ contains a 1/2 US ounce (14.8 ml) of 134-a refrigerant to use as a propellant for injecting the product into the A/C system. This amount is which is about 25-36% of the formulation. REFRESH AC AUTO™ is designed and formulated to be backward and forward compatible with all future vehicle refrigerants and oils.

2. Does REFRESH AC AUTO™ interact with PAG Oil?

No. REFRESH AC AUTO™ contains no oil. Our formulation contains 50-62% surfactant cleaning agents, 25-36% 134-a refrigerant propellant (1,1,1,2-tetrafluoroethane), <2% PTFE polytetrafluoroethylene (Teflon®), and < 4% other proprietary components. None of the ingredients in REFRESH AC AUTO™ react with any components of a vehicle's A/C unit. That includes the oil, refrigerant, as well as all the mechanical coils, condenser, compressor, and lines. REFRESH AC AUTO™ is non-caustic as documented on our Material Safety Data Sheet (SDS).

3. Can REFRESH AC AUTO™ be used in a home HVAC system?

No. REFRESH AC AUTO™ is formulated with 134-a refrigerant as a propellant. Some older home systems use R-22 refrigerant, which 134-a replaces and is compatible with. However, 134-a is not compatible with other types of non-vehicle HVAC systems refrigerants. Thus we do not recommend installing REFRESH AC AUTO™ into a non-vehicle HVAC system.

4. How long does it take for REFRESH AC AUTO™ to work?

REFRESH AC AUTO™ is very quick to correct all the built up oil fouling inside a vehicle's A/C system. Follow the proper installation steps that we have documented. Measure the temperature of a vehicle's air vents with the car on the coldest setting and operating after 10-15 miles of operation. Then inject REFRESH AC AUTO™ into the vehicle with the engine operating. The temperature in the vehicle will drop 10-15°F within the first 10-20 miles, but within the first 50-miles the system is usually fully treated.

5. Does REFRESH AC AUTO™ prevent or fix A/C system leaks.

No. We permanently prevent oil fouling from ever occurring in new vehicle A/C systems, and treat old inefficient A/C systems that have built up oil fouling in it. However, we require that a system be properly pressurized with refrigerant and free of any leaks.

6. What is the warranty of REFRESH AC AUTO™ ?

REFRESH AC AUTO™ comes with a 1 year full replacement of any damaged vehicle A/C system for parts and labor from the date of installation. There have been no warranty claims ever filed since the product's introduction and former formulations. The compressor is the component that fails the most frequently in an untreated A/C system. We have had no compressor failures of any treated client vehicle.

7. What does the PTFE (Teflon®) do to the inside of the A/C system.

The PTFE (Teflon®) puts down a <1 micron layer on the cleaned metal surfaces. PTFE is the world's slickest solid substance known to man. PTFE is inert and does not react with anything, so it cannot damage anything. The PTFE expands and twists to permanently lock to all the clean metal surfaces inside. It prevents the oil from ever sticking to the walls of the metal again. Similar to plaque in a person's arteries, REFRESH AC AUTO™ acts to remove the plaque and put down a layer of PTFE to prevent it from ever coming back. Enjoy that Fried Food without fear!!

The elimination of the oil fouling (insulation) causes the A/C units to cool much faster. There is typically a 73% improvement in the ability to cool. The PTFE also makes the compressor work less since the refrigerant is moving 5 times faster and working more efficiently. It also aids in the refrigerant boiling faster which aids in cooling faster.

8. Does REFRESH AC AUTO™ help extend the life of my A/C system?

Yes. REFRESH AC AUTO™ typically doubles (2x) the useful remaining life of your AC system. If your system has 4 year left, REFRESH AC AUTO™ should help it last approximately 8 more years.

9. How much REFRESH AC AUTO™ is needed to treat a vehicle?

A standard 4 door sedan automobile will use just a single 1.5 US FL Ounce can. A larger SUV would use approximately 2 cans. A larger truck or freight truck could use 2-3+ depending on the system size.

10. Will REFRESH AC AUTO™ cause any clogging?

No. The surfactant cleaning agents that are contained in REFRESH AC AUTO™ are formulated to be non-caustic. The oil fouling that does exist is gently broken up and returned into solution. The PTFE particles are a proprietary formulation of less than 1 micron in size (1/17th the thickness of a human hair), and does not clog in any filters or valves.

