



FAQ's: Flex Inject Sealant Advanced® - Flex Inject® Sealant Total

1. Are Flex Inject® Sealant Advanced and Flex Inject® Sealant Total compatible with all oils and refrigerants?

Yes, Flex Inject® Sealants use the systems refrigerant to inject without the use of propellants such as propane, isobutane, or hydrocarbons. Use as per application guidelines below:

SIZE SYSTEM	PRODUCT APPLICATION	Flex Inject® Sealant Advanced	Flex Inject® Sealant Total
SMALL/MEDIUM SYSTEMS Up to 6 tons/20 kW	1 Flex Inject® Sealant Advanced or Total	PN# 985 	PN# 995  +UV dye
LARGE SYSTEMS 6+ tons/20+ kW	1 Flex Inject® Sealant Advanced or Total for every 64oz./1.8L of system oil	PN# 985 	PN# 995  +UV dye
*For systems above 25 tons use Super Seal Sealant Advanced™ Large PN# 948KIT			

2. What size hole and pressures will Flex Inject® Sealant repair?

For optimum success, a system should not be leaking more than 15% of its total refrigerant charge over a 4-week period. Flex Inject® Sealant has been specifically designed to seal micro pores, 300 microns and smaller, characterized as 'champagne leaks,' typically seasonal leaks. The seal will withstand 800 PSI as well as low pressure vacuum testing used in triple evacuation procedures. Flex Inject® Sealant will only temporarily seal cracks that are subjected to thermal expansion and contraction movement.

3. When should Flex Inject® Sealant be used?

Flex Inject® Sealant should be used when conventional leak detection methods are unsuccessful and all attempts to find and fix a leak have been exhausted. Use in compliance with the Montreal protocol & regional or federal laws for handling of refrigerant.



4. How does Flex Inject® Sealant work?

Flex Inject® Sealant is a light, low viscosity, particle and polymer free liquid. The sealant is injected as a mist directly into the refrigerant stream through our patented misting orifice. As it travels with the refrigerant and oil throughout the system, the sealant exits the leak point and reacts with moisture in the atmosphere to form a low tensile crystalline structure creating a permanent seal.

5. How is Flex Inject® Sealant installed?

Flex Inject® Sealant is a fluid filled flexible hose with a blue low loss fitting and a red push button fitting. Flex Inject® Sealant uses the high-pressure side of the system to inject product through the low side while the system is running.

6. Will Flex Inject® Sealant cause liquid slugging in the compressor?

No, Flex Inject® Sealant is injected using the high side refrigerant through our patented misting orifice, ensuring the sealant enters the low side service port directly into the refrigerant stream as a mist.

7. What happens if there is moisture in the system?

All Flex Inject® sealants contain Dry R™ in its formula which adds an extra level of protection beyond what other sealants can offer. The active ingredient in Dry R™ maintains stability of the product. Systems with high levels of moisture can prematurely activate the sealant and cause formation at areas of moisture concentration such as driers, and metering devices, resulting in possible restriction and system failure. We recommend that technicians always adhere to ARI recommended levels of moisture for HVAC/R systems.

8. Will Flex Inject® Sealant clog the valve core as I inject the product into the system?

No, when the Flex Inject Sealant is injected into the system, it has already been combined with the refrigerant charge and the refrigerant acts as a solvent, cleaning the valve core as it passes through.

9. Will the Flex Inject® Sealant harm the compressor or any other components in the system?

No, the Flex Inject Sealant is completely compatible with the electrical windings of the compressor motor. It will not interfere with compressor valves or form wax in cap tubes, orifices, or thermostatic expansion valves, and does not impede the lubricity of the system oil in any way.

10. What happens to Flex Inject® Sealant while it is in the system?

The chemical formulation of Flex Inject® Sealant remains in a stable state while it travels within the refrigerant and oil. Only when the sealant exits at a leak point and contacts moisture in the air, does it begin to form a permanent seal.

11. How long will Flex Inject® Sealant remain in the system?

Flex Inject® Sealant will continue to be active up to 10 years in a closed system. If refrigerant charge is removed, Flex Inject® Sealant will be recovered with the refrigerant as well.

12. What happens if a line bursts on a system containing Flex Inject® Sealant?

Flex Inject® Sealant will exit with the refrigerant and no longer be present in the system. No extra precautions are required, follow standard practices when making repairs.



13. What happens to Flex Inject® Sealant if I need to reclaim the refrigerant?

Flex Inject® Sealant is removed with the refrigerant through the recovery process. Some UV dye in Total will still be present in the oil.

14. How is refrigerant that is recovered classified from a system which had Flex Inject® Sealant?

Flex Inject® Sealant does not alter the classification of recovered refrigerant. The cans are vacuum sealed, meeting ARI 700 purity standard, containing no propellants such as propane or isobutane, which are deemed contaminants by EPA-certified refrigerant reclaimers.

15. Has the chemical technology in Flex Inject® Sealant ever been used before?

Yes, the sealant technology in Flex Inject® Sealant has two decades of industry acceptance based on DiversiTech's Super Seal.

16. Are there any checks to be completed before installing Flex Inject® Sealant?

Yes, verify the system temperature readings: the temperature at the compressor base should not be in excess of 130°F (54°C), compressor discharge temperature above 225°F (107.2°C) or a 2 degree or greater temperature differential across the liquid line drier. Should these conditions exist you must treat the system as contaminated with particulate and proceed accordingly.