









FAQ's: SURE SHOT™ Sealant Advanced + DRY R™

1. Is Sure Shot™ Sealant compatible with all oils and refrigerants?

Yes, Sure Shot™ Sealant is injected without the use of propellants such as propane, isobutane, or hydrocarbons. Use as per application guidelines below:

SIZE SYSTEM	PRODUCT APPLICATION	Sure Shot™ Sealant Advanced Kit	Sure Shot™ Sealant Advanced Refill
SMALL SYSTEMS Up to 1.5 tons/5 kW	1/2 Sure Shot™ Sealant Advanced kit or refill	PN# 983KIT  <ul style="list-style-type: none"> - syringe - reusable hose - bleed fitting 	PN# 984  <ul style="list-style-type: none"> - syringe only
MEDIUM SYSTEMS 1.5-5 tons/5-17 kW	1 Sure Shot™ Sealant Advanced kit or refill	PN# 983KIT  <ul style="list-style-type: none"> - syringe - reusable hose - bleed fitting 	PN# 984  <ul style="list-style-type: none"> - syringe only
LARGE SYSTEMS 6+ tons/20+ kW	1 Sure Shot™ Sealant Advanced kit or refill for every 64oz./1.8L of system oil	PN# 983KIT  <ul style="list-style-type: none"> - syringe - reusable hose - bleed fitting 	PN# 984  <ul style="list-style-type: none"> - syringe only
*For systems above 25 tons use Super Seal Sealant Advanced™ Large PN# 948KIT			

2. What size hole and pressures will Sure Shot™ Sealant repair?

For optimum success, a system should not be leaking more than 15% of its total refrigerant charge over a 4-week period. Sure Shot™ 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. Sure Shot™ Sealant will only temporarily seal cracks that are subjected to thermal expansion and contraction movement.



3. Why should Sure Shot™ Sealant be used?

Sure Shot™ 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 Sure Shot™ Sealant work?

Sure Shot™ Sealant is a light, low viscosity, particle and polymer free liquid. The sealant is metered 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. What is Eco Boost in Sure Shot™ Sealant?

Eco Boost is a proprietary lubricant with additives promoting lubricity, eliminating moisture, reducing energy consumption and compressor noise, while extending system life.

6. How is Sure Shot™ Sealant installed?

Sure Shot™ Sealant is a fluid filled syringe with a reusable clear hose and bleed fitting. Sure Shot™ Sealant uses the pressure drop that occurs on system start up to allow the contractor to manually depress incremental amounts of product into the HVAC/R system while it is running. Note: on higher pressure systems, such as R410A, the use of a caulking gun may be required to overcome system pressure.

7. Can the Sure Shot™ Sealant hose and syringe be reused?

Yes, once the cap is removed from the syringe, the hose must remain on the syringe until the syringe is empty. The Sure Shot™ Sealant hose is sealed at both ends, with a one-way flow valve and low loss fitting, preventing atmosphere from entering the hose and interacting with the product temporarily stored there. Once the syringe is empty the hose can be removed and stored until used on another refill. DiversiTech recommends replacing the hose after 6 months of use or storage, due to normal wear and tear.

8. Will Sure Shot™ Sealant cause liquid slugging in the compressor?

No, Sure Shot™ Sealant is metered through our patented misting orifice, ensuring the sealant enters the low side service port incrementally, into the refrigerant stream.

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

Sure Shot™ Sealant contains Dry R™ in its formula which adds an extra level of protection beyond what other sealants can offer. The active ingredient in Dry R™ reacts with water to eliminate 10 drops of moisture from the inside the system. Systems with higher levels of moisture should have the liquid line drier replaced prior to installing Super Seal Sealant. DiversiTech recommends technicians always adhere to ARI recommended levels of moisture for HVAC/R systems.

10. Will Sure Shot™ Sealant clog the valve core as it is injected into the system?

No, Sure Shot™ Sealant will not clog the valve core as it is designed to allow the systems refrigerant to self-purge the valve core as the low loss fitting is removed.



11. Will Sure Shot™ Sealant harm the compressor or any other components in the system?

No, the 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.

12. What happens to Sure Shot™ Sealant while it is in the system?

The chemical formulation of Sure Shot™ 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.

13. How long will Sure Shot™ Sealant remain in the system?

Sure Shot™ Sealant will continue to be active up to 10 years in a closed system. If refrigerant charge is removed, Sure Shot™ Sealant will be recovered with the refrigerant.

14. What happens if a line bursts on a system containing Sure Shot™ Sealant?

Sure Shot™ 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.

15. What happens to Sure Shot™ Sealant if refrigerant is reclaimed?

Sure Shot™ Sealant is removed with the refrigerant through the recovery process.

16. How is refrigerant that is recovered classified from a system which had Sure Shot™ Sealant?

Sure Shot™ Sealant does not alter the classification of recovered refrigerant. The formulation meets ARI 700 purity standards as it contains no propellants such as propane or isobutane, which are deemed contaminants by EPA-certified refrigerant reclaimers.

17. Has the chemical technology in Sure Shot™ Sealant ever been used before?

Yes, the sealant technology in Sure Shot™ Sealant has two decades of industry acceptance based on DiversiTech's Super Seal Sealant.

18. Are there any checks to be completed before installing Sure Shot™ Sealant?

Yes, verify the system temperature readings: the temperature at the compressor base should not be more than 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.