



March 21, 2019

# TECHNICAL DATA REPORT

See SDS for complete safety/technical data

## VAPCO PART NO.

Part Number	Size
XPS5T-ACE	Up to 5 Tons
XPS250T-ACE	126-250 Tons



# SYSTEM ENHANCE

### AC/REFRIGERATION SERVICE XPRESS INJECT

## DESCRIPTION

**SYSTEM ENHANCE** has been successfully shown to increase efficiency in both new and old air conditioning systems. This multi-tiered performance booster can provide significant energy savings, pollution reduction, and calm noisy systems all while increasing the overall longevity of components and the system itself!

## APPLICATIONS

In new systems, System Enhance starts by blending with the oil already present, and is compatible with all oils currently being used. This blend coats and lubricates moving parts (thermal expansion valves and compressor components) reducing mechanical friction up to 1500%! By allowing the system to work with less effort, it lowers the starting and running amperage, saving energy.

For older systems, loss of polarity in key components can cause oil to travel through the system and significantly increase friction in the compressor yielding longer run times and poor efficiency. The harder a system has to work; the more energy is consumed; resulting in higher bills and more carbon dioxide being release into the atmosphere. Traveling oil can also cause an insulated buildup to form in areas around the system, diminishing the ability to transfer heat as it was designed. System Enhance cuts through the buildup and binds to metal forming a conductive layer to improve heat transfer in the evaporator and condenser coils. Tests have seen a drop of two or more degrees on evaporator coils.

## FEATURES AND BENEFITS

- Increases Efficiency
- Returns Oil to the Compressor
- Compatible with all Refrigerants except ammonia
- Reduces Noise

## LABEL INFORMATION

**SYSTEM ENHANCE** is the ideal solution for reducing friction, removing harmful buildup, returning oil to the compressor, and increasing heat transfer capabilities. This product allows A/C and refrigeration systems to operate at peak efficiency, the way they were intended. Vapco's System Enhance is the easy to use direct inject, efficiency increasing, pollution reducing, compressor quieting, energy saving put money back in your pocket product; that wholesalers, contractors, home and business owners have been looking for.

### Directions using Vapco's Direct Inject Gun :

If hose is bent or kinked, do not use! Turn the A/C system on and verify the unit is running. With the CO2 cartridge in the gun, connect the Xpress Inject to the Direct Inject Gun. Connect the other end to the low-side service port. Briefly pull the trigger. The direct Inject Gun will meter just enough CO2 to empty tube. The sealer has now been injected into the system. Disconnect the empty tube from the low-side port. Install service port cap. Run the A/C unit at least one hour after installing Xpress Inject. 12+ uses per CO2 cartridge. **For traditional methods using refrigerants to install Xpress Inject use the following instructions:** 1. Turn the a/c system on and verify the unit is running. Connect Xpress Inject to the low-side service port of the system. (This is generally the large line). 2. Connect the manifold refrigerant hose to the refrigerant supply tank.

Verify the high and low side valves on the manifold are closed before proceeding. Purge the low pressure hose when connecting to Xpress Inject. 3. Open low-side valve and watch for the tube to clear. (This will ONLY take a few seconds!) Turn off low-side manifold valve as soon as the tube is clear. Turn off refrigerant gas. Verify the system is charged to manufacturer's specifications! Disconnect low-side hose from Xpress Inject. Install service port cap. Run the a/c unit at least one hour after installing Xpress Inject. (Do not bend or kink hose!)

**Dangers: Read and understand the product's label and Safety Data Sheet.** May be fatal if swallowed and enters airways. Highly flammable liquid and vapor. May cause skin irritation. Toxic to aquatic life. **DO NOT** use in any manner for which it was not designed. Always wear PPE (Personal Protective Equipment) when servicing HVAC equipment.



## CONTAINS

CONTAINS (CAS#) : Distillates, petroleum, hydro-treated heavy paraffin (64742-54-7)

## First Aid Measures

**Inhalation:** If symptoms occur, go to open air and ventilate suspected area. **Immediately call a POISON CENTER or doctor/physician.** **Skin contact:** Wash skin with soap and water. If irritation persists, seek medical attention. **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. **Immediately call a POISON CENTER or doctor/physician.** **Ingestion:** Do NOT induce vomiting. **Immediately call a POISON CENTER or doctor/physician.**

## Precautions

Do NOT handle or use this product until all safety precautions have been read and understood. Keep away from heat/sparks/open flame/hot surfaces – NO SMOKING! Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands and arms thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/clothing/face/eye protection.

## Storage

Keep temperatures below 52°C/125°F. Store in a dry/cool/well ventilated place. Store locked up. Store away from incompatible products.

## In Case of Fire

Use dry chemical powder, alcohol-resistant foam or carbon dioxide.

## Disposal

Dispose of contents in accordance with local/regional/national regulations. Brass components can be recycled.

**WARNING:** This product can expose you to Ethyl Alcohol, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).