



# XPRESS INJECTS

2019 CATALOG

## REDEFINING A/C SERVICE

PROFESSIONAL AC/REFRIGERATION PERFORMANCE  
ENHANCERS, PROTECTORS AND SEALERS



FOR A/C SYSTEMS UP TO 250 TONS!

HVACR INDUSTRY TESTED, CONTRACTOR APPROVED

INTRODUCING THE  
WORLDS MOST  
ADVANCED, MOST  
POWERFUL AND  
LARGEST DIRECT  
INJECTS EVER.



MADE IN THE USA



Part of Vapco's Environmentally-Friendly, Green Product Initiative.

# INDEX

Page 3	Introduction
Page 4-5	Frequently Asked Contractor Questions
Page 6	UV Dye
Page 7	System Enhance
Page 8	System Protect
Page 9	Overhaul
Page 10	Xpress Seal
Page 11	Seal With UV Dye
Page 12	Seal and Protect
Page 13	Tech In a Tube
Page 14	Kitchen Sink & Kitchen Sink with UV Dye
Page 15-16	Directions and Accessories



# XPRESS INJECTS MAKE HVACR HISTORY

**POWERFUL, NEW DIRECT INJECT COMBINATIONS TO SEAL, ENHANCE  
AND PROTECT AC/REFRIGERATION SYSTEMS *UP TO 250 TONS!***



One of the most frequent questions for the Xpress Inject line was “how many should I put in a 15, 30 or 60-ton system?” This led to an industry breakthrough for the maintenance and repair of larger and commercial HVACR systems. Now with only one Xpress Inject, contractors are capable of preventing and sealing leaks in systems from less than one ton, all the way 250 tons! (actual sizes: up to 1.5 tons, 5 tons, 15 tons, 30 tons, 60 tons, 125 tons and 250 tons!) Our new sizes are still as easy to use as the original direct inject and can be injected multiple ways into the low side of a system. Another benefit to these increased sizes allowed us to create brand new combinations of sealants and system performance injects. These new combos will lead to fewer leaks, less refrigerant emissions and longer lasting HVACR systems. From preventing acid formation and removing moisture to boosting efficiency and increasing heat transfer, we now offer a single Xpress Inject to do it all.

“We set out to make the lives of contractors as easy as possible, while keeping the home and business owner in mind,” said Scott Garner, Vapco President. “Our goal is to offer an easy and economical solution that accomplishes multiple functions. These new Xpress Injects check several boxes for us as a company: help contractors, help the ultimate beneficiary of the HVACR system, help the environment, and be an economical option that will assist as many people as possible.”



## Frequent Contractor Questions

### What refrigerants and oils are these safe to use with?

The entire Xpress Inject line is formulated to be compatible with all refrigerants and oils currently in use today (**excluding ammonia**).

### What size leak will one inject fix?

Our seal product will seal micro-leaks and significantly larger leaks. In most cases, systems that hold their charges for more than 72 hours can be fixed with just one inject. For fast or large leaks, we recommend an Xpress Seal XL, designed specifically for larger leaks in 1.5 to 5 ton systems.

### Do I need to pump down the system?

No, no matter the pressure or type or refrigerant you do not need to pump down the system! You can use manifold gauges from high to low side and even install Xpress Injects when you are charging the system with refrigerant. Follow the instructions on the back of the packaging or check out one of our Xpress Inject tools.

### Are special tools needed to install Xpress Injects?

No, Xpress Inject can be installed through multiple means, by using manifold gauges or installing while charging with refrigerant. While you don't need special tools, we do offer two accessories designed specifically to make installing Xpress Injects as easy as possible, our Direct inject Gun and Hose are safe, straight forward and simple to use.

### Will these products work on aluminum coils and microchannel coils?

Absolutely, Xpress Inject products are perfect for aluminum coils, microchannel coils, mini splits, and all other types of coils.

### Will Xpress Injects cause issues in TXV's or capillary tubes?

No, all Xpress Inject products are designed to atomize and travel with the refrigerant not the oil like most other refrigerant sealants on the market. This means that Xpress Inject are compressible and will not negatively impact, metering devices, gauges, TXV's, or capillary tubes.

### How small of a system can the 1.5-ton product be used on?

Xpress Injects should not be used on systems that contain less than 10 ounces of refrigerant.

### Why is there a bubble in the tubes?

The bubble is a dry, medical grade gas that is intentionally injected during the manufacturing process. This bubble ensures the product has not been exposed to air or moisture and should move freely from end to end when the tube is handled.

### Can I put more than one tube in a system? (preventative maintenance program)

**Xpress Seal-** Yes, you can, but often times it is unnecessary. The system should be checked for leaks annually and if any are found to be present, an Xpress Inject Seal can be installed to help combat leaking refrigerant. As preventative maintenance program, as long as no new leaks are forming, Seal will remain inactive in the system waiting to find and fix microleaks.

**System Protect** is very similar to Seal, in that it will remain inactive in the system, waiting until it finds acid or moisture to remove. The system should be checked annually for acid or moisture and if found to be present an Xpress Inject with System Protect should be installed.

**System Enhance** is a great performance boosting product that can rejuvenate both old and new HVACR systems. Once a System Enhance is installed, its active time is very dependent on the system itself and how often it runs during the season. A new System Enhance is safe to add every year, or every other year but might not always see the dramatic benefits in amperage reduction or increased heat transfer.

### Are Xpress Inject tubes refillable?

No, they are a one-time use product, however we encourage that the metal and nylon components are recycled.



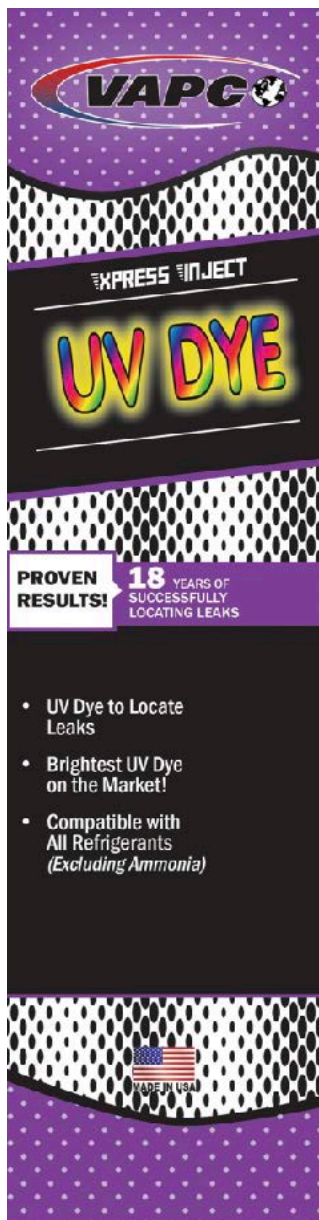
## SYSTEM PERFORMANCE

# UV DYE

- Save time and money versus conventional leak detection methods
- Pinpoints exact location of leaks
- Not harmful to compressors, gauges, TXV's or cap tubes
- Bright enough to use without glasses or lights

Upon injection Vapco's UV Dye super concentrated formula atomizes and travels with the refrigerant, circulating the system faster than the competition. Most leaks can be found minutes after installation, but some commercial systems might take a few hours for the dye to completely circulate. UV Dye is compatible with all refrigerants (excluding ammonia) and oils so it will not negatively impact the lubricity or viscosity of the system and can be left in the system to continuously search for leaks as part of a preventative maintenance program.

**UV Dye can be found in Seal and Dye, Tech in a Tube, and Kitchen Sink with UV Dye. For more information check out [xpressinjects.com](http://xpressinjects.com)**



### **Size | Part Number:**

**Up to 5 Ton | XPS-5T-DYE**  
**126-250 Ton | XPS-250T-DYE**



## SYSTEM PERFORMANCE

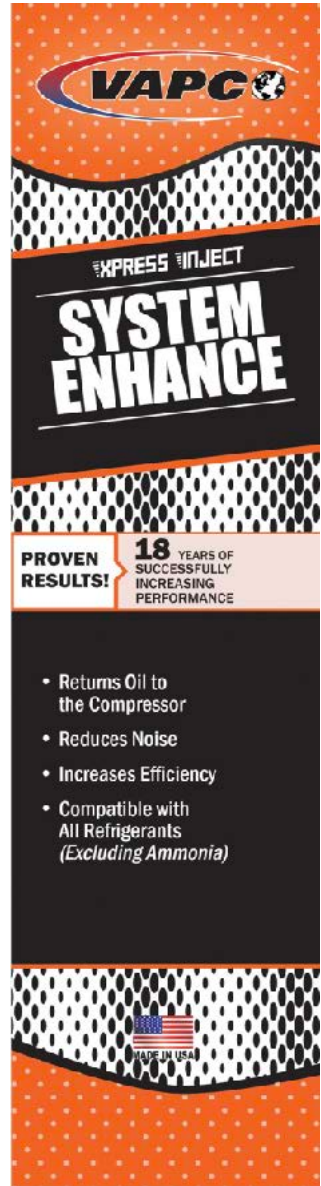
# SYSTEM ENHANCE

- Saves Energy
- Saves Money
- Reduces Pollution
- Increases Component Longevity

Vapco's 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, reduce pollution, and calm noisy systems all while increasing the overall longevity of components and the system itself!

Enhance rejuvenates systems by reducing friction, removing harmful buildup, returns oil to the compressor, increases heat transfer capabilities, and reduces start-up and running amperage all to allow a/c and refrigeration systems to operate at peak efficiency, the way they were intended.

**System Enhance can be found in Overhaul, Kitchen Sink, and Kitchen Sink with Dye. For more info visit [xpressinjects.com](http://xpressinjects.com)**



**Size | Part Number:**

**Up to 5 Ton | XPS-5T-ACE**  
**126-250 Ton | XPS-250T-ACE**

## SYSTEM PERFORMANCE

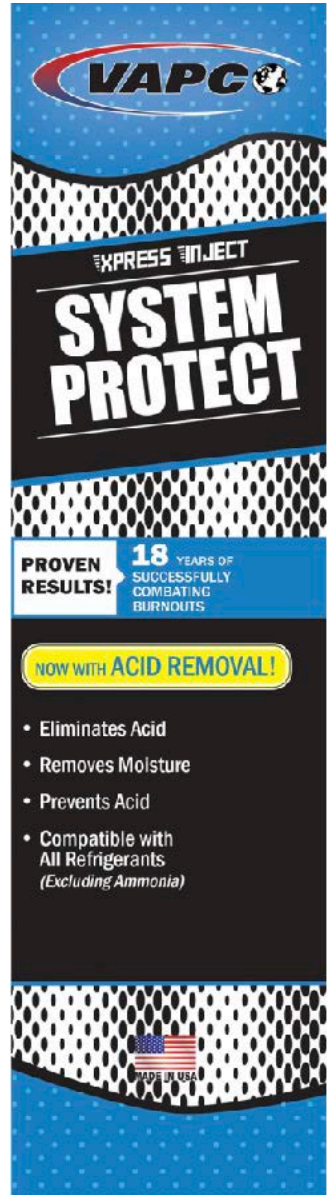
# SYSTEM PROTECT

- Stops Burnouts and Compressor seizures before they start
- Increase system life and longevity
- Stop Harmful Refrigerant Emissions

Vapco's System Protect is the cheapest, fastest and most effective way to eliminate acid, remove moisture, prevent acid formation. Protect can stop burnouts before they start and keeps harmful refrigerant emissions from happening. System Protect contains a three pronged, offensive and defensive approach to eradicate moisture and acid to ensure properly functioning systems stay healthy.

One of the biggest threats to a properly functioning system is moisture inside refrigerant lines. If not properly treated, acids can quickly form; cause holes, leaking of refrigerants into the atmosphere, oil/refrigerant instability, sludge, compressor seizure, burnouts, and eventually complete system failure. The industry now has an all- in-one product to scavenge acid, remove moisture and prevent acid from forming and completely eliminating the threat of moisture from HVAC and refrigeration systems.

**System Protect can be found in Overhaul, Seal and Protect, Tech in a Tube, Kitchen Sink and Kitchen Sink with UV Dye.**



**Size | Part Number:**

**Up to 5 Ton | XPS5T-P**

**126-250 Ton | XPS250T-P**



## SYSTEM PERFORMANCE

# OVERHAUL

- Improve heat transfer
- Increase system longevity
- Remove acid and moisture
- Prevent harmful refrigerant leaks
- Stop burnout and compressor seizures before they happen

Vapco's Xpress Inject Overhaul is a powerful combination of System Protect and System Enhance, this all-in-one defender / rejuvenator direct inject is great for both old and new systems, and ideal for preventative maintenance programs.

Like all other Xpress Inject products, Overhaul travels with the refrigerant, quickly circulating the system and taking effect immediately upon injection. This combo is the first ever, one-step application designed to boost performance, guard against the threat of acid and moisture while removing any acid or moisture in the system. Overhaul is the only product that will prevent burnouts, compressor seizure, increase the longevity of system components and increase the performance of HVACR systems.

**Overhaul is specifically designed for performance / maintenance and does not contain a leak seal.**



### **Size | Part Number:**

**1.5-5 Ton | XPS-5T-OH**

**6-15 Ton | XPS-15T-OH**

**16-30 Ton | XPS-30T-OH**

**31-60 Ton | XPS-60T-OH**

**61-125 Ton | XPS-125T-OH**

## SEALANTS

# XPRESS SEAL

- Seal leaks faster and safer
- Don't waste time pumping down the system
- Installs in seconds, starts working immediately
- Save time and money repairing leaks
- Stops harmful refrigerant emissions

Vapco's Xpress Seal is the fastest acting refrigerant sealant on the market and the only product with nearly 20 years of results proven to permanently seal leaks in HVACR systems. Xpress Seal works so quickly because it travels with the refrigerant, circulating the system faster than competitive products designed to travel with the oil. When a leak is found, the formula activates and begins to repair the leak from the inside out.

Xpress Seal is designed to fix and repair leaks throughout an entire system, including evaporators, condensers, and soldered joints. Install with confidence, this product has been proven not to plug or clog TXV's, pistons, capillary tubes or harm manifold gauges.

**Xpress Seal is perfect for split systems, heat pumps, microchannel coils, packaged units, commercial systems and even VRV systems!**



### **Size | Part Number:**

**Up to 1.5 Ton | XPS-SS**

**1.5-5 Ton | XPS-5T**

**6-15 Ton | XPS-15T**

**16-30 Ton | XPS-30T**

**31-60 Ton | XPS-60T**

**61-125 Ton | XPS-125T**

**126-250 Ton | XPS-250T**

### **LARGE LEAK VERSION**

**1.5-5 Ton | XPS-5TXL**

## SEALANTS

# SEAL WITH UV DYE

- Concentrated formula finds and seals leaks with less material in the system
- Prevents leaks and saves time wasted searching for them
- Perfect for preventative maintenance programs

Easy to use Xpress Seal and UV Dye was the first combo in the Xpress Inject line from Vapco. The same fastest acting seal formula and super concentrated dye separate, now in a single use and easy to use direct inject tube. UV Dye works quickly to locate leaks at the same time Seal permanently fixes them.

Vapco's Seal is an 18+ year, tried and trusted formula, that has no rival on the market. After having sealed millions of leaks, we added one of the brightest UV dyes in the industry to make finding leaks even easier. UV Dye alerts you to the exact spots that should be tested with conventional leak detection methods to ensure every leak gets repaired properly.

**Proven not to harm TXV's and cap tubes, Vapco's Xpress Seal and UV Dye is a 2-in-1 solution to harmful refrigerant leaks and time-consuming searches.**



### **Size | Part Number:**

**Up to 1.5 Ton | XPS-SSD**

**1.5-5 Ton | XPS-5T-SD**

**6-15 Ton | XPS-15T-SD**

**16-30 Ton | XPS-30T-SD**

**31-60 Ton | XPS-60T-SD**

**61-125 Ton | XPS-125T-SD**

**126-250 Ton | XPS-250T-SD**

### **LARGE LEAK VERSION**

**1.5-5 Ton | XPS-5TXL-SD**

## SEALANTS

# SEAL & PROTECT

Seal quickly finds and fixes leaks and micro-leaks to avoid and stop refrigerant loss in its tracks. The protect portion of this combination will also eliminate the cause of the leaks, preventing them entirely!

Vapco's Xpress Seal and Protect will do just what it says, seal leaks and protect your system from moisture, acid, burnouts and compressor seizure. The Xpress Seal formula has almost 20 years of proven results with millions of leaks sealed, and now it comes paired with the only System Protect capable of scavenging acid and removing moisture completely from HVACR systems.

Compressor and system failure can be the result of several easily preventable issues in HVACR systems. Vapco's Seal and Protect actively engages many of these issues head on, one primary concern being low refrigerant charge due to leaks developing inside the line-sets. Low refrigerant charge can cause the compressor to strain in order to keep up with a home or businesses cooling needs.



### **Size | Part Number:**

**Up to 1.5 Ton | XPS-1.5T-SP**

**1.5-5 Ton | XPS-5T-SP**

**6-15 Ton | XPS-15T-SP**

**16-30 Ton | XPS-30T-SP**

**31-60 Ton | XPS-60T-SP**

**61-125 Ton | XPS-125T-S**

## SEALANTS

# TECH IN A TUBE

Vapco's Tech in a Tube is designed to be an extension of HVACR technician themselves. On a service call, a tech will look for leaks, determine the cause of the leak and repair them through mechanical or chemical means. Tech in a tube offers an extremely bright UV Dye to isolate leak sites, a world class acid scavenger and system protector, plus the worlds most tested and installed leak sealant in the industry. The new combination of Xpress Seal, System Protect, and UV Dye is a contractor requested product available in multiple sizes for a one use direct inject that installs in seconds.

Tech in a Tube is ideal for new installs and preventative maintenance programs as well as repairing systems with leaks or acid and moisture problems. Installing in new systems allows Tech in a tube to combat moisture and leak formation from the beginning. Once the Sealant or System Protect has been used to remove moisture or acid and seal any leaks present, UV Dye remains to circulate the system and highlight any new leaks that might form.



### Size | Part Number:

**1.5-5 Ton** | XPS-5T-TNT

**6-15 Ton** | XPS-15T-TNT

**16-30 Ton** | XPS-30T-TNT

**31-60 Ton** | XPS-60T-TNT

**61-125 Ton** | XPS-125T-TNT

## SEALANTS

# KITCHEN SINK

- And Kitchen Sink with UV DYE

Vapco's Kitchen Sink and Kitchen Sink with UV Dye are the combination of every product available in the Xpress Inject line. These new industry changing products include the strongest and easiest to use refrigeration sealant, Xpress Seal, the only true eliminator of acid and moisture on the market, System Protect, and the best performance booster and rejuvenator, System Enhance, both versions of Kitchen Sink accomplish more than any other competitive product on the market.

**Kitchen Sink is the ultimate, one-shot problem solver for HVACR systems. From finding and sealing leaks to eliminating system threats and increasing efficiency, no other product on the market treats as many ailments as the Kitchen Sink and Kitchen Sink with UV Dye Xpress Injects.**

### Size | Part Number:

**1.5-5 Ton | XPS-5T-KS**

**6-15 Ton | XPS-15T-KS**

**16-30 Ton | XPS-30T-KS**

**31-60 Ton | XPS-60T-KS**

### Kitchen Sink

### Size | Part Number:

**1.5-5 Ton | XPS-5T-KSD**

**6-15 Ton | XPS-15T-KSD**

**16-30 Ton | XPS-30T-KSD**

**31-60 Ton | XPS-60T-KSD**

### Kitchen Sink w/ UV Dye





## Directions

**Traditional method:** 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.



**Using Gun:** 1) Turn the A/C system on and verify the unit is running. 2) With the CO2 cartridge in the gun, connect the Xpress Inject to the Direct Inject Gun. 3) Connect the other end to the low-side service port. 4) Briefly pull the trigger.

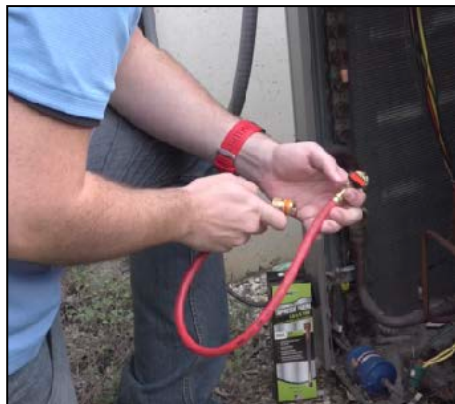
The direct Inject Gun will meter just enough CO2 to empty tube. The sealer has now been injected into the system. Disconnect the empty tube from the low-side port. Install service port cap. Run the A/C unit at least one hour after installing Xpress Inject. 12+ uses per CO2 cartridge.



## Directions for Direct Injector Hose

Turn the A/C system on, verify the compressor is running and the system is fully charged.

- 1) Ensure ball valve is closed before attaching the "A" side of the Xpress hose to the High-pressure service port.
- 2) Barely thread male end of injector tube to the "B" side of the Xpress hose ensuring not to depress Schrader valve. Crack open and quickly close ball valve to purge air from hose. Quickly finish threading injector tube into "B" side of hose.
- 3) Connect female end of injector tube to the low-pressure service port. Open ball valve to allow refrigerant to flow through and inject product into system. Close ball valve and disconnect hose and injector from unit.
- 4) Remove injector tube from "B" side of hose and open ball valve to release charge to prevent contamination in future uses.



## XPRESS INJECT ACCESSORIES



Vapco's  
Direct  
Inject Gun  
and starter  
kit.

XPS-INJ / XPS-5TK



Vapco's  
Direct Inject  
Hose.

XPS-HOSE



Threaded  
CO2 Refills

XPS-CO2