

10X GC®

GERMANY

- Unique HVAC Technology
- Return on investment less than one year
- Green technology / reducing carbon footprint



For more references click link below
<https://10xgroupconsulting.com/en/referenser/>

INSTALLATION

Catalyst® is easy to install by an HVAC technician without disrupting system operation and is compatible with all major refrigerants and HVAC/cooling systems.

LIFESPAN

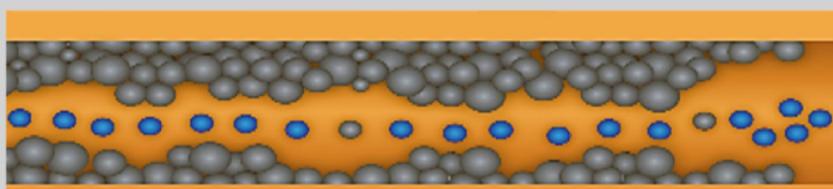
Catalyst® is a one-time installation on AC units and only needs a booster charge in refrigerators after 8 - 10 years.

OIL CONTAMINATION

The compressor oil moves throughout the system with the refrigerant. Oil molecules adhere to the coils and hoses which reduces the heat transfer. ASHRAE says that oil contamination can reduce system efficiency by 30+%.

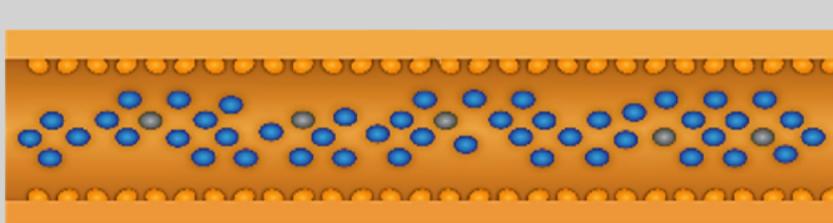
BEFORE

Oil molecules adhere to coils and hoses which reduces heat transfer and efficiency.



AFTER

Oil pollution molecules on the coils and pipes are reduced after the installation of Catalyst® which restores the system's heat transfer and efficiency.



What is it?

Catalyst® is a synthetic catalyst technology that enables HVAC systems to work more efficiently. It has been proven to save customers an average of 20+% in energy costs by reducing electricity consumption.

How does it work?

Catalyst® contains two synthetic catalysts and a lubricant that enables HVAC and cooling systems to run at their maximum capacity.

The first catalyst breaks the surface tension (Van Der Waals forces) between oil molecules. This breaks up oil contamination and allows for maximum efficiency in heat exchange.

The second catalyst allows the refrigerant to evaporate at a lower temperature. This draws more heat from the supply air so the fan blows cooler air.



The lubricant increases the compressor oil's lubrication by up to 54%. This means the compressor will work better and last longer.

AUTOMOTIVE **COMMERCIAL/INDUSTRIAL** **RESIDENTIAL**

Reduces energy costs and emissions

Catalyst® enables the air conditioner to reach the set temperature faster by supplying cooler air. Shorter running times mean that it uses less electricity/kWh, which results in lower electricity costs and a reduced carbon footprint.

A 20+% reduction in run time will lower maintenance costs and extend the life of the equipment. Installing Catalyst® does not invalidate the manufacturer's warranty.

