



Patented Refrigerant Technology

Advantages of using Compress Shield™

Compress Shield guards against the costly loss of cooling capacity.

Independent research shows that lubricant build-up on your refrigeration system's internal surfaces can degrade its performance by up to 30%. Preventing it from transferring heat. Increasing pressure drops. Elevating boiling points. And reducing its latent heat capacity.

Over time, this continuous loss of cooling capacity escalates your power bills, maintenance and capital costs as the system's efficiency degrades.

But Compress Shield's ability to accelerate the heat-transfer process through metallurgical thermodynamics and metal-surface chemistry helps you maintain the peak performance that's key to minimizing your long-term operating costs.



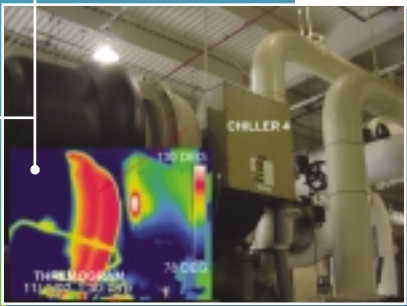
Compress Shield and oil are 1500% stronger than the oil alone.

As soon as your refrigeration system is turned off or cycles off, oil drains from the compressor's metal surfaces, breaking the boundary film -- the layer of oil between its moving parts.

Thanks to Compress Shield's patented polar bond, the boundary film remains on the surface and protects the metal, even when the oil layer is not fully established. So when the layer reforms, the combination of Compress Shield and the oil is 1500% stronger than the oil alone. This reduces your system's operating load by accelerating the heat-transfer process, which cuts wear and tear while extending the life of your equipment.

Once introduced, Compress Shield remains in a liquid state as it migrates throughout the system prior to separation from the carrier oil. Compress Shield molecules displace the insulative layer of nonconductive oil and permanently bond to all system surfaces. The result: significantly higher heat-transfer rates through electromagnetic heat propagation.

Compress Shield will not bond to itself and will not permit the oil to reattach to metal surfaces. What Compress Shield will do is increase your equipment's volumetric efficiency, oxidation resistance and operating life, while reducing its laminar flow and run time. With Compress Shield, you'll enjoy quieter operation, enhanced compressor-seal protection, average energy savings of 12.3% and system lubrication that's 1500% stronger than whatever you're using now.





Advantages of using Compress Shield™

Compress Shield's unique formulation is guaranteed to reduce your costs.

What distinguishes Compress Shield from other refrigerant-oil additives is its ability to do more than simply increase the lubricity of refrigerant oil and reduce wear on compressor parts. Compress Shield's unique formulation improves the overall operating efficiency of heat exchangers in air conditioners, chillers and refrigeration systems.

Compress Shield has been lab- and field-tested by private and government agencies and proven itself in thousands of compressors operating in manufacturing facilities, refrigerated warehouses, grocery stores, restaurants, government buildings, shopping malls, universities and office buildings. These real-world trials prove that Compress Shield significantly reduces maintenance problems and energy costs. In fact, the maintenance cost savings are often greater than the energy savings.

Contact your Compress Shield distributor for references, installation/testing procedures, laboratory reports, chemical and technical product discussions, savings-verification techniques, manufacturer's warranty details as well as descriptions of specific problems Compress Shield has solved.

The manufacturer of Compress Shield is so confident in the performance of our exceptional additive that we guarantee a 5% cost savings on all installations performed in accordance with the manufacturer's installation instructions. Ask for details of this guarantee and learn how we determine cost savings (return on investment is normally captured 13-18 months after installation). Both manufacturer and distributor carry multi-million-dollar product-liability policies.

