

Refrigeration Fluids



Designed to provide unsurpassed levels of performance, protection and oil life.

Applications

Engineered Systems Technologies refrigeration fluids are ideal for a broad range of applications:

- Ammonia
- CFC
- CO²
- HFC, HCFC and HFO
- Low Temperature Pipe Coating
- Retrofit Systems
- Vacuum Cooling

OEM-Approved Formulations

- **EST 717:** Enhanced low-temperature pumpability and protection with reduced oil carryover

- At Engineered Systems Technologies, we work to thoroughly understand the machinery you and your customers work with every day. This allows us to manufacture each fluid to provide the highest level of performance possible, specific to the application. Whether you want low solubility with ammonia, carbon dioxide refrigeration oil or something for a halogenated system, our approach combines detailed knowledge of refrigeration systems with decades of experience manufacturing advanced lubricants.

The Engineered Systems Technologies Advantage

Each of our refrigeration fluids take into consideration the operating conditions of the facility, the refrigerant-lubricant interaction in the system, the possible energy savings the lubricant can provide and numerous other factors.

It's how we can deliver on your expectations and provide the best products possible.

Engineered Systems Technologies refrigeration fluids benefits:

- OEM approved formulations
- Products specially formulated to minimize carryover
- Exceptional low-temperature fluidity & pumpability
- Full line of aftermarket compatible formulations



Refrigeration Fluids

Fluids		
Product	Description	Application
EST 717	Ammonia Refrigeration Compressor Fluid	Ammonia Compressors
EST 717-FG	Food-Grade Ammonia Refrigeration Compressor Fluid	Food Grade Ammonia Compressors
EST 717-HE	High-Efficiency Ammonia Refrigeration Compressor Fluid	Ammonia Compressors
EST 717-SC	Ammonia Refrigeration Compressor Fluid with Seal Conditioner	Ammonia Compressors
EST 717-HP	Low-Solubility Ammonia Heat Pump Fluid	Ammonia Heat Pumps
EST 717-HD	Heavy-Duty Ammonia Refrigeration Compressor Fluid	Harsh Environment, Process Ammonia and Centrifugal Compressors
EST 717-DX	Direct-Expansion Ammonia Refrigeration Compressor Fluid	Ammonia Compressors
EST POE	POE Refrigeration Compressor Fluid	HFC, HCFC and HFO Systems
EST POE-HE	High-Efficiency POE Refrigeration Compressor Fluid	HFC, HCFC and HFO Systems
EST 744	POE CO ₂ Refrigeration Compressor Fluid	CO ₂ Compressors
EST 744-FG	Food-Grade Immiscible CO ₂ Refrigeration Compressor Fluid	CO ₂ Compressors
EST ABR	Alkylbenzene Replacement Refrigeration Compressor Fluid	CFC, HCFC and Retrofit Systems
EST MIN	Mineral Oil Refrigeration Compressor Fluid	CFC, HCFC and Retrofit Systems



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Product properties are typical results and should not serve as a sole resource for determining the correct product for a particular application. Please consult an Engineered Systems Technologies representative to ensure that the product is the correct choice for the application. Revised 02/2020

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Fluids

Product	Description	Application
EST APL	Synthetic Ammonia Liquid Transfer Pump Fluid	Ammonia Transfer Pumps
EST APL-LT	Low-Temp Synthetic Ammonia Liquid Transfer Pump Fluid	Ammonia Transfer Pumps
EST ChillVAC	Synthetic Vacuum Cooling Fluid	Liquid Ring, Rotary Lobe & Claw, Reciprocating Compressor, Rotary Screw Vacuum Cooling and Rotary Vane

Additives

Product	Description	Application
EST 717-SR	Ammonia Refrigeration Seal Conditioner Additive	Ammonia Systems
EST SR	Refrigeration Seal Conditioner Additive	All Refrigeration Systems (Excludes Ammonia, POE)
EST AR	System Acid Reducer	Refrigeration Systems

Cleaners

Product	Description	Application
RESCUE POE	POE Refrigeration System Cleaner Concentrate	HFC, HCFC, and HFO Systems



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