

ArrowHVAC

Fluids for the Air Conditioning &
Heat Transfer Industry

ADVANCED TECHNOLOGY

Chem Arrow's cutting edge technology has made our company the leading supplier to the global HVAC industry. With over 40 years of continued product improvement, Chem Arrow's ArrowHVAC line of fluids, designed specifically for fin stamping, tube bending, expanding and tube return bend formation, is the choice of many multi-national manufacturers.

Formulating fluids to meet the demands of today's modern standards and requirements involves many challenges which are continually changing. Chem Arrow is focused on providing fluids which meet and exceed these exacting specifications.



ENVIRONMENTAL RESPONSIBILITY

Our design criteria is focused on maximizing the efficiency of production while minimizing waste and lowering VOC's. Our product offering includes qualified fluids designed to minimize, and in some cases negate, the environmental impact of VOC's completely.

UNIQUE PRODUCT CHARACTERISTICS

Chem Arrow has developed the ArrowHVAC product line using the most innovative additive materials on the market. This allows us to offer products which have unique wetting capabilities when required. ArrowHVAC products are compatible with all modern refrigerants, brazing, paints and plastics. They provide excellent corrosion protection as well as improved tool and die life.

TECHNICAL EXPERTISE

Our team has many years of technical expertise in the industry and is on hand to offer advice on all matters including correctly specifying the most efficient fluids for the job plus tips on how to minimize fluid usage and waste.

GLOBAL SUPPLY & SUPPORT

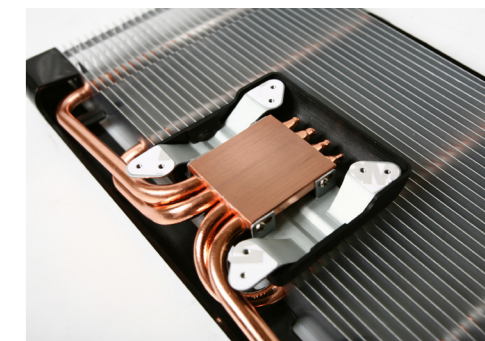
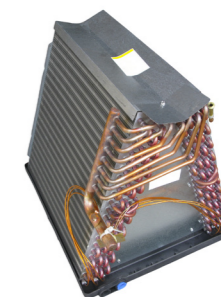
From our manufacturing centers across the USA, Mexico, Europe, India, Malaysia and China, Chem Arrow can handle your global delivery requirements while providing local service.

INDEPENDENT LABORATORY TESTING

Our fluids are tested to the demanding standards required by the global HVAC industry and confirmed by independent laboratories.

Testing includes:

- VOC Emission
- Refrigerant Compatibility
- Water Dispersion Properties
- Paint Adhesion Properties
- Punch Die Life
- Freeze Thaw
- Formicary Corrosion
- Hydrophilic Fin Surface (Wettability)
- Plastic Compatibility
- Coated Fin Stock Compatibility
- Lubricity & Bio Stability



Advanced Technology
Environmental Responsibility
Unique Product Specifications
Technical Expertise
Global Supply & Support
Independent Lab Testing
Application Systems

Disclaimer: Because conditions of use are beyond our control, no warranty, guarantee or representation is made or intended in connection with the use of these products.

Leading Manufacturer of Fin Stamping Lubricants

APPLICATION SYSTEMS

The need to continually improve performance and address higher environmental standards has made the use of applicators a necessity. ArrowHVAC lubricants are formulated to work with the leading applicators available in today's market. This includes the latest CNC spray systems, electrostatic applications and Chem Arrow's own economical fin press lubricant applicator.

The Chem Arrow fin press lubricant applicator is designed to control the amount of lubricant applied to both the top and bottom of the fin stock. This system is inexpensive and ideal for controlling application rates of high performance low to zero VOC lubes. It precisely controls the lubricant film thickness on the fin stock going into the press. High performance lubricants can allow reduced or, in some cases, the elimination of the internal lubricant sprayers used to protect punch pierce dies. The use of low to zero VOC high performance lubricants reduces overall lubricant costs. They minimize or eliminate solvent emissions, while providing outstanding tool life and quality fins. Each unit is specifically designed to fit almost any fin stamping press. The unit is installed in the lube tank and used in conjunction with the existing pinch rollers.



Applicators offer the following advantages:

- Reduces lube usage up to 50%
- Precise application with low to zero VOC lubes
- Extends water test tank clarity
- Reduces washing process
- Reduces safety issues
- Improves air quality
- Minimizes waste
- Minimizes brazing issues
- Saves significant cost
- Improves tool & die life

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