

# 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

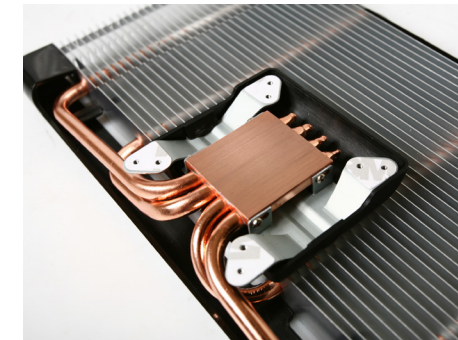
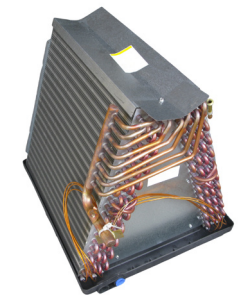
From our manufacturing centers across the USA, Mexico, Europe, India, Malaysia and China, Chem Arrow can handle your global delivery requirements while providing local service.

## 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

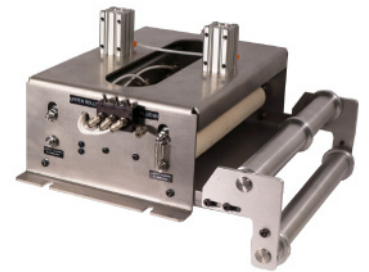
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*Leading Manufacturer of Fin Stamping Lubricants*

## FINCOATER APPLICATOR SYSTEM FOR FIN STAMPING (HVAC)

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 recommended FinCoater system.

The Chem Arrow FinCoater is designed to control the amount of lubricant applied to both sides of the fin stock. This unit is the ideal roller coater to apply a very light coating of lubricant to thin gage material as it enters the fin die. The FinCoater unit is computer controlled to dispense the correct amount of lubricant to the material on each stroke of the press. There are two sets of rollers, one set to stabilize fin stock and one set to apply the lubricant.



### FinCoater Applicator 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
- Reduces fin surface residue
- Improves air quality
- Minimizes waste
- Minimizes brazing issues
- Saves significant cost
- Improves tool & die life

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