

## ArrowHVAC Products / Fluids for the Air Conditioning & Heat Transfer Industry

### ArrowStamp 5699 Fin Stamping Lubricant

Non VOC\*, odorless, high performance stamping lubricant, capable of producing 4-22 FPI. Compatible with R-22, R-134a and 400 series refrigerants as well as most water based paint coatings. Formulating includes additives that promote lubricity, extended tool and die life, as well as formicary corrosion protection. FR version contains advanced surfactant technology that promotes rapid condensation dispersion. Use with Chem Arrow recommended application system for best results.

Applications  
**Stamping, forming, drawing, blanking, bending**  
 Heavy Duty  
 4 - 22 FPI (6.35 - 1.15 mm Collars)  
 No VOC\*

### ARROW 5698 Fin Stamping Lubricant

Non VOC\*, odorless, high performance, low oxidizing stamping lubricant capable of producing 4-22 FPI. Compatible with R-22, R-134a and 400 series refrigerants as well as most water based paint coatings. Formulating includes additives that promote lubricity, extended tool and die life, as well as formicary corrosion protection. Available in FR and FRM versions containing advanced surfactant/inhibitor technology which promote enhanced condensation dispersion and corrosion protection. Use with Chem Arrow recommended application system for best results.

Applications  
**Stamping, drawing, forming, bending**  
 Heavy Duty  
 4 - 22 FPI (6.35 - 1.15 mm Collars)  
 No VOC\*

### ARROW 5697 Fin Stamping Lubricant

Low VOC (less than 40%), high performance, semi-evaporative stamping lubricant recommended for moderate to high fin collars up to 6-22 FPI. Compatible with R-22, R-134a and 400 series refrigerants while providing excellent corrosion protection. FR and FRM versions contain advanced surfactant/inhibitor technology promoting rapid condensation dispersion and added corrosion protection. Can be used with conventional applicators.

Applications  
**Stamping, drawing, forming, bending**  
 Heavy Duty  
 6 - 22 FPI (4.23 - 1.15 mm Collars)  
 Low VOC

### ARROW 3642 Fin Stamping Lubricant

Non VOC\*, low residue, synthetic lubricant formulated with renewable non-petroleum base stocks. Recommended for low to high fin collars of 4-22 FPI. Contains select lubricity and extreme pressure additives for extended punch and die life. Compatible with R-22, R-134a and 400 series refrigerants. FR and FRM versions contain advanced surfactant/inhibitor technology promoting rapid condensation dispersion and superior corrosion protection. Can be used with conventional applicators.

Applications  
**Stamping, forming, drawing, blanking, bending**  
 Heavy Duty  
 4 - 22 FPI (6.35 - 1.15 mm Collars)  
 No VOC\*

### ARROW 8997 Evaporative Lubricant

Semi-evaporative, fast drying, low residue, odorless lubricant for moderate to high fin collars up to 8-22 FPI. Excellent corrosion protection and refrigerant compatibility. Contains lubricity and extreme pressure additives that promote extended punch and die life. FR and FRM versions provide rapid condensation dispersion without clouding water leak test tank systems. Can be used with conventional applicators.

Applications  
**Stamping, forming, drawing**  
 Medium Duty  
 8 - 22 FPI (3.18 - 1.15 mm Collars)

### ArrowStamp 70-2 Evaporative Lubricant

Semi-evaporative, fast drying, low residue, odorless lubricant for moderate to high fin collars up to 8-22 FPI. Excellent corrosion protection and refrigerant compatibility. Contains lubricity and extreme pressure additives that promote extended punch and die life. FR and FRM versions provide rapid condensation dispersion and will not cloud water leak test tank systems. Can be used with conventional applicators.

Applications  
**Stamping, drawing, forming, bending**  
 Medium Duty  
 8 - 22 FPI (3.18 - 1.15 mm Collars)

### ArrowStamp 9000 & 9000-EP Series Fin Stamping Lubricants

9000 & 9000-EP series fin stamping lubricants are modern refrigerant compatible and available in light to heavy-duty formulations covering all collar requirements from 4-22 FPI. These series of lubricants are evaporative and leave behind little to no residue. FR and FRM versions are available for rapid condensation dispersion and added formicary corrosion protection.

Applications

Stamping, drawing, forming

Light -- Heavy Duty

4 - 22 FPI (6.35 - 1.15 mm Collars)

### Arrow 5192 Evaporative Lubricant

Odorless, evaporative lubricant for slightly higher collar fins of 8-22 FPI. Unique formulation leaves very slight to no residue. Provides for a hydrophilic fin surface with FR version. Can be used with all conventional applicators.

Applications

Stamping, drawing, forming

Medium Duty

8 - 22 FPI (3.18 - 1.15 mm Collars)

### ArrowStamp 8191 Fin Stamping Lubricant

Odorless, fast drying evaporative lubricant which leaves behind little to no residue when used with conventional application systems. Ideal for smaller to medium fin collars up to 12-22 FPI. Available in FR and FRM versions for rapid condensation dispersion and added corrosion protection.

Applications

Stamping, drawing, forming

Medium Duty

12 - 22 FPI (2.12-1.15 mm Collars)

### ArrowStamp 7000 Series Fin Stamping Lubricants

7000 series fin stamping lubricants are refrigerant compatible and available in light to heavy-duty formulations covering all collar requirements from 4-22 FPI. 7000 series lubricants are evaporative and leave behind little to no residue. FR and FRM versions are available for rapid condensation dispersion and added formicary corrosion protection.

Applications

Stamping, drawing, forming

Light -- Heavy Duty

4 - 22 FPI (6.35 - 1.15 mm Collars)

### ARROW 9390 Hair Pin Bending Lubricant

Non VOC\*, synthetic hair pin bending lubricant. Formulated to be compatible with all refrigerants. Compatible with POE and PVE oils. Burns ashless. Can also be used as a pierce punch spray lubricant (ISO 22).

Applications

Bending, expanding, pierce punch spray lubricant

No VOC\*

### ArrowHVAC 20475 Synthetic Hair Pin & Expander Lubricant

Non VOC\*, synthetic hair pin and expander lubricant. Developed for use in areas that require lubricant compatibility with new ozone friendly, chlorine free refrigerants (HFC 134A, R-410A). Also compatible with chlorinated refrigerant R-22 typical applications. Burns ashless.

Applications

Bending, expanding, pierce punch

No VOC\*

### ArrowHVAC 3605 Spray On Wetting Agent

Non VOC\*, spray on surfactant coil wetting agent. Developed to create an instantly wettable surface on aluminum fins to eliminate water blow-off or dripping from evaporator heat exchangers. Removes residual oils from aluminum fin surfaces leaving a long term wettable surface.

Applications

Surface treatment

No VOC\*

All of the above products have been independent laboratory tested for refrigerant compatibility, corrosion protection and hydrolytic stability. Documentation is available upon request.  
\*VOC percentage based on EPA method 24 (> 1%, < 8%).

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