Miniature Fog Lubricators

FEATURES
- 1 oz. polycarbonate bowl
- Optional metal bowl
- Visible drip rate
- Easy to refill
- Fine adjustment screw
- Requires only .1 cfm of air flow to operate
- Automatically adjusts oil mist delivery with air flow variations

OPTIONS
add suffix to part number in alpha order
M Metal bowl . . . . . . . . . . . . . . . . . . . . 1812M

SPECIFICATIONS
WARNING! Polycarbonate plastic bowls could rupture if exposed to incompatible chemicals whether inside or outside the bowl. If such chemicals are present, use a metal bowl.

Body
• Zinc, black coated

Polycarbonate Bowl
• Max. pressure 150 psi
• Operating temperature range 40°F to 125°F

Metal Bowl
• Black coated aluminum
• Max. pressure 200 psi
• Operating temperature range 40°F to 175°F

Recommended Oil
• SAE 10 oil or lighter
• Atomized average 2 micron
• .1 scfm to establish drip rate

KITS
Bowl Kits
• Polycarbonate . . . . . . . . . . . BK1811
• Metal . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . BK1811M
• Repair kit . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . RK1812
• Dome Kit . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . AK35

Mounting Kit see page 65
• Mounting kit . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . FBK3

PERFORMANCE CHARACTERISTICS

DIMENSIONS

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM*</th>
<th>BOWL CAPACITY</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>L181</td>
<td>16</td>
<td>1 oz.</td>
<td>1½</td>
<td>2</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>L182</td>
<td>16</td>
<td>1 oz.</td>
<td>1³/8</td>
<td>2</td>
</tr>
</tbody>
</table>

* Flow scfm based on 5.0 psi @ 100 psig inlet.
### Features
- Aluminum housing
- Oil delivery at low air flow approximately 2 scfm
- Lubricator may be filled without shutting down air line
- 3-position non-rising adjustment knob: push to lock, pull to adjust, detach for tamper resistant
- Can be converted on-line to Ultrafog lubricator with interchangeable module
  
  **Part # RKL452**

### Options
- Add suffix to part number in alpha order:
  - **M** 6 oz. black coated metal bowl .............. L354M
  - **W** 6 oz. black coated metal bowl with sight .... L354W

### Specifications
**WARNING!** Polycarbonate plastic bowls could rupture if exposed to incompatible chemicals whether inside or outside the bowl. If such chemicals are present, use a metal bowl.

**Body**
- Black coated aluminum
**Polycarbonate Bowl with Bowl Guard**
- Max. pressure 150 psig
- Operating temperature range 40°F to 125°F

**Metal Bowl**
- Zinc, black coated
- Max. pressure 200 psig
- Operating temperature range 40°F to 175°F

### Recommended Oil
- SAE 10 oil or lighter
- Atomized average 2 micron

### KITS
**Bowl Kits**
- Polycarbonate ............... BKL35
- Metal bowl without sight .... BKL45M
- Metal bowl with sight ...... BKL45W

**Repair Kits**
- For L350 .................... RKL352
- Dome kit ................... AK35
- Fill plug kit ............... RK35

**Mounting Kit** see page 65
- Mounting kit ............... FBK5

### Applications
- Air tools
- Air motors
- Single point lubrication

### Performance Characteristics

![Air Flow vs. Pressure Drop Graphs]

### Dimensions

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>Model No.</th>
<th>Max. Flow SCFM*</th>
<th>Bowl Capacity</th>
<th>Dimensions (Inches)</th>
<th>Weight (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>L352</td>
<td>16</td>
<td>5 oz.</td>
<td>2 5/8 2 5/8 7 2 5/8</td>
<td>1.0</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>L353</td>
<td>82</td>
<td>5 oz.</td>
<td>2 5/8 2 5/8 7 2 5/8</td>
<td>1.0</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>L354</td>
<td>142</td>
<td>5 oz.</td>
<td>2 5/8 2 5/8 7 2 5/8</td>
<td>1.0</td>
</tr>
</tbody>
</table>

* Flow scfm based on 5.0 psi \( p @ 100 \) psig inlet.
**MidFlow Series 3 Arrowfog Lubricators**

**FEATURES**
- Oil delivery at low air flow approximately 2 scfm
- Lubricator may be filled without shutting down air line
- 3-position non-rising adjustment knob; push to lock, pull to adjust, detach for tamper resistant
- Can be converted on-line to Ultrafog lubricator with interchangeable module Part # RKL452

**OPTIONS**
add suffix to part number in alpha order
- M 6 oz. black coated metal bowl L373M

**SPECIFICATIONS**

**Body**
- Black coated aluminum

**Metal Bowl**
- Zinc, black coated
- Max. pressure 200 psig
- Operating temperature range 40°F to 175°F

**Metal Bowl with Sight**
- Zinc, black coated
- Max. pressure range 200 psig
- Operating temperature range 40°F to 175°F

**Recommended Oil**
- SAE 10 oil or lighter
- 3 scfm to establish drip rate
- Atomized average 2 micron droplet

**PERFORMANCE CHARACTERISTICS**

**KITS**

**Bowl Kits**
- Metal bowl with sight BKL47W
- Metal bowl without sight BKL47M
- Metal bowl with sight BKL48W
- Metal bowl without sight BKL48M

**Repair Kits**
- For L370 RKL372
- For L380 RKL382
- Dome kit AK35
- Fill plug kit RK37

**Mounting Kit see page 65**
- Mounting kit FBK7

**OPTIONS**
add suffix to part number in alpha order
- M 6 oz. black coated metal bowl L373M

**DIMENSIONS**

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM*</th>
<th>BOWL CAPACITY</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>L373W</td>
<td>82</td>
<td>10 oz</td>
<td>31/4 21/16 813/32</td>
<td>3  2.4</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>L383W</td>
<td>82</td>
<td>20 oz</td>
<td>31/4 21/16 1119/32</td>
<td>3  3.3</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>L374W</td>
<td>142</td>
<td>10 oz</td>
<td>31/4 21/16 813/32</td>
<td>3  2.4</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>L384W</td>
<td>142</td>
<td>20 oz</td>
<td>31/4 21/16 1119/32</td>
<td>3  3.3</td>
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<tr>
<td>5/8&quot;</td>
<td>L376W</td>
<td>142</td>
<td>10 oz</td>
<td>31/4 21/16 813/32</td>
<td>3  2.4</td>
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<tr>
<td>5/8&quot;</td>
<td>L386W</td>
<td>142</td>
<td>20 oz</td>
<td>31/4 21/16 1119/32</td>
<td>3  3.3</td>
</tr>
</tbody>
</table>

* Flow scfm based on 5.0 psi  p @ 100 psig inlet.
Tri•Star Series 4 Ultrafog Lubricators

FEATURES
- 5 oz. polycarbonate bowl w/steel bowl guard
- Aluminum housing, black coated
- Oil delivery at low air flow approximately 2 scfm
- 3-position non-rising adjustment knob; push to lock, pull to adjust, detach for tamper resistant
- Convert on-line to Arrowfog with interchangeable module #RKL352
- In line modular installation

OPTIONS
add suffix to part number in alpha order
M 6 oz. black coated metal bowl ............. L454M
W 6 oz. black coated metal bowl with sight ...... L454W

SPECIFICATIONS
WARNING! Polycarbonate plastic bowls could rupture if exposed to incompatible chemicals whether inside or outside the bowl. If such chemicals are present, use a metal bowl.

Body
- Black coated aluminum

Polycarbonate Bowl with Bowl Guard
- Max. pressure 150 psig
- Operating temperature range 40°F to 125°F

Metal Bowl
- Zinc, black coated
- Max. pressure 200 psig
- Operating temperature range 40°F to 175°F

Recommended Oil
- SAE 10 oil or lighter
- 2 scfm to establish drip rate
- Atomized average .6 micron
- 1 out of 28 drops travel downstream
- Cannot be filled under pressure

KITS
Bowl Kits
- Metal ......................... BKL45M
- Metal with sight .............. BKL45W

Repair Kits
- Adjustment dome kit .......... AK35
- Fill plug .......................... FK35
- For Ultrafog ..................... RKL452
- Sight kit .......................... WK45

Mounting Kit see page 65
- Mounting kit .................... FBK5

Applications
- Multiple lubrication points

PERFORMANCE CHARACTERISTICS

DIMENSIONS

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM*</th>
<th>BOWL CAPACITY</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>L452</td>
<td>16</td>
<td>5 oz.</td>
<td>2'/4 2'/4 7 2'/2</td>
<td>1.0</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>L453</td>
<td>82</td>
<td>5 oz.</td>
<td>2'/4 2'/4 7 2'/2</td>
<td>1.0</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>L454</td>
<td>142</td>
<td>5 oz.</td>
<td>2'/4 2'/4 7 2'/2</td>
<td>1.0</td>
</tr>
</tbody>
</table>

* Flow scfm based on 5.0 psi Δ p @ 100 psig inlet.
MidFlow Series 4 Ultrafog Lubricators

FEATURES
- Aluminum housing
- Oil delivery at low air flow approximately 2 scfm
- 3-position non-rising adjustment knob; push to lock, pull to adjust, detach for tamper resistant
- Convert on-line to Arrowfog with interchangeable module #RKL352

OPTIONS
add suffix to part number in alpha order
M 6 oz. black coated metal bowl ............... L472M

SPECIFICATIONS
Body
- Black coated aluminum

Metal Bowl
- Zinc, black coated
- Max. pressure 250 psig
- Operating temperature range 40°F to 125°F

Metal Bowl with Sight
- Zinc, black coated
- Max. pressure range 200 psig
- Operating temperature range 40°F to 175°F

Recommended Oil
- SAE 10 oil or lighter
- 2 scfm to establish drip rate
- Atomized average 6 micron
- 1 out of 28 drops travel downstream
- Cannot be filled under pressure

KITS
Bowl Kits
- Metal bowl without sight ........... BKL47M
- Metal bowl with sight .......... BKL47W

Repair Kits
- For L350 ......................... RKL470
- Dome kit ....................... AV37
- Fill plug kit ................... FK47

Mounting Kit see page 65
- Mounting kit ................. FBK7

DIMENSIONS

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM*</th>
<th>BOWL CAPACITY</th>
<th>DIMENSIONS (INCHES)</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>L473W</td>
<td>82</td>
<td>10 oz</td>
<td>3/4&quot; 2/16 8 8/32</td>
<td>3.4</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>L483W</td>
<td>82</td>
<td>20 oz</td>
<td>3/4&quot; 2/16 11 1/8 32</td>
<td>3.3</td>
</tr>
<tr>
<td>1/8&quot;</td>
<td>L474W</td>
<td>142</td>
<td>10 oz</td>
<td>3/4&quot; 2/16 8 8/32</td>
<td>3.4</td>
</tr>
<tr>
<td>1/8&quot;</td>
<td>L484W</td>
<td>142</td>
<td>20 oz</td>
<td>3/4&quot; 2/16 11 1/8 32</td>
<td>3.3</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>L476W</td>
<td>142</td>
<td>10 oz</td>
<td>3/4&quot; 2/16 8 8/32</td>
<td>3.4</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>L486W</td>
<td>142</td>
<td>20 oz</td>
<td>3/4&quot; 2/16 11 1/8 32</td>
<td>3.3</td>
</tr>
</tbody>
</table>

* Flow scfm based on 5.0 psi Δ p @ 100 psig inlet.
Arrowick Lubricators

SPECIFICATIONS

Body
- Black coated aluminum

Metal Bowl
- Steel, black coated
- Max. pressure 250 psig
- Operating temperature range 40°F to 200°F

Recommended Oil
- SAE 10 oil or lighter
- 30 scfm to establish drip rate

Droplet Size
- 3 micron or less

KITS

Bowl Kits
- 29 oz. metal ............... BK4106M
- 29 oz. metal with sight .... BK4106W
- 2 qt. metal with sight ...... BK4106LCM

Repair Kits
- For 4106, 4106LCM, 4108, and 4108LCM .......... RK4106
- For 4112 and 4112LCM .... RK4112
- Sight kit ................. WK35

Applications
- Single point
- Flow can be reversed

FEATURES

- Simple, trouble free design. It cannot be over-filled, and has greater bowl capacity which extends interval between filling
- Can be used downstream of 4 way valves because it accommodates reverse flow
- Bowl fills all the way to the top
- It can be filled under pressure no need to shut down air
- Tamper-proof internal adjustment
- Porous bronze oil metering diffuser introduces smallest possible oil particles to the air
- No small orifices to clog and stop oil delivery
- Automatically maintains air-oil ratio regardless of variations in air flow

OPTIONS

add suffix to part number in alpha order
- W metal bowl w/sight glass . . . 4108W

Minimum Air Flow for Lubrication

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Air Flow SCFM</th>
</tr>
</thead>
<tbody>
<tr>
<td>4106</td>
<td>30 SCFM</td>
</tr>
<tr>
<td>4106LCM</td>
<td>30 SCFM</td>
</tr>
<tr>
<td>4108</td>
<td>30 SCFM</td>
</tr>
<tr>
<td>4108LCM</td>
<td>30 SCFM</td>
</tr>
<tr>
<td>4112</td>
<td>50 SCFM</td>
</tr>
<tr>
<td>4112LCM</td>
<td>50 SCFM</td>
</tr>
</tbody>
</table>

PERFORMANCE CHARACTERISTICS

![Graph showing performance characteristics]

DIMENSIONS

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MODEL NO.</th>
<th>MAX. FLOW SCFM*</th>
<th>BOWL CAPACITY</th>
<th>DIMENSIONS (INCHES) A</th>
<th>DIMENSIONS (INCHES) B</th>
<th>WEIGHT (LBS.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>4106</td>
<td>175</td>
<td>29 oz.</td>
<td>4/8</td>
<td>1/8</td>
<td>8/8</td>
</tr>
<tr>
<td>1&quot;</td>
<td>4108</td>
<td>175</td>
<td>29 oz.</td>
<td>4/8</td>
<td>1/8</td>
<td>8/8</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>4112</td>
<td>175</td>
<td>29 oz.</td>
<td>5/4</td>
<td>1/4</td>
<td>9</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>4106LCM</td>
<td>175</td>
<td>60 oz.</td>
<td>4/8</td>
<td>1/8</td>
<td>13/2</td>
</tr>
<tr>
<td>1&quot;</td>
<td>4108LCM</td>
<td>175</td>
<td>60 oz.</td>
<td>4/8</td>
<td>1/8</td>
<td>13/2</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>4112LCM</td>
<td>175</td>
<td>60 oz.</td>
<td>5/4</td>
<td>1/4</td>
<td>13/2</td>
</tr>
</tbody>
</table>

* Flow scfm based on 5.0 psi △ p @ 100 psig inlet.