Easy to use
Installation is quick and easy. The on-board control is simple to learn — all functions are clearly identified right on the dryer label. You won’t even have to think about this dryer once you start processing.

No maintenance required
No moving parts, no filters to contend with on standard units, no desiccant. This dryer will deliver the reliable performance you need.

Compact design
This slim, attractive dryer mounts easily to the throat of your machine. No need to buy or mount a separate hopper, the hopper for the SlimLine is incorporated into the sturdy, yet light-weight design.

Saves you money
Energy efficient and low cost initial investment, the Milacron SlimLine Series of Compressed Air Dryers are a fraction of the price of traditional dryers. Dryer start-up is intuitive.
HOW IT WORKS

The SlimLine Compressed Air Dryer uses clean, dehumidified compressed air* supplied from your plant’s compressed air system or a portable air compressor to produce hot, low dew-point air that removes moisture from hygroscopic plastic materials.

*Compressed air must meet specification requirement of 100 psi (6.9 bar) and 40°F (4°C) dewpoint and a residual oil content of less than 3mg/m³.

The benefits

✓ **You’ll save money.** The initial investment in a compressed air dryer costs far less than conventional dryers.
✓ **You won’t have to deal with desiccant.** The use of desiccant has been eliminated.
✓ **You’ll eliminate the hassle of up-keep maintenance.** No moving parts, no desiccant, no filter on standard units. This dryer ends the need for a lengthy list of standard maintenance procedures.

OPTIONS

- **Slide Gate**
  Shuts off the material flow and isolates the dryer from the machine.

- **Mounting Adapter with Drain**
  Install the mounting adapter with drain to facilitate clean out or material changeovers.

- **TLA Adapter for Loader Fill**
  This adapter lets you mount a TLA Loader to fill the hopper, eliminating the need to hand fill the material.
  **NOTE:** Adapter shown is for models SL2.5 and 5. This adapter is not required for models SL15 and 25. The TLA Loader will not be used with model SL50, other loaders are available.

- **Hand-fill Lid**
  If you choose not to use a loader on Models SL15, SL25 or SL50 purchase the hand-fill lid to prevent material contamination.

- **Compressed Air Membrane**
  This option is necessary when the compressed air supplied does not meet the 40°F (4°C) dewpoint.

  The membrane serves as a refrigerant air conditioner and reduces the dewpoint to the 40°F (4°C) specification. The included filters aid in cleaning the compressed air.

- **Mobile cart**
  The mobile cart option allows the SlimLine dryer and hopper combination to be quickly and easily moved from one location to another.

NOTE: This drawing is provided as an aid to understanding the technology, on the actual dryer the compressed air is plumbed from the opposite side.
FEATURES

Simple, reliable control

You’ll have all the functionality you need and not be burdened by an overly complicated control. Actual and setpoint drying temperatures are continuously displayed. Control functions are identified right on the label. Toggle between the percentage output of the heater (read only) and the high temperature alarm setpoint. Choose to view the temperature in fahrenheit or celsius.

### Control Codes:
- A2H - High Temp. Alarm
- ER - Input Error
- OFF - Heater Off
- FRTG - Ramping Target
- PHT - Heater Output (%)

### Drying Temperature

<table>
<thead>
<tr>
<th>Control Codes</th>
<th>Actual</th>
<th>Heater</th>
<th>Alarm</th>
<th>Setpoint</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image" alt="Temperature Display" /></td>
<td><img src="image" alt="Heater Output" /></td>
<td><img src="image" alt="Alarm" /></td>
<td><img src="image" alt="Setpoint" /></td>
</tr>
</tbody>
</table>

### Startup:
1. With dryer power off, start airflow.
2. Adjust airflow to green zone.
3. Switch on dryer.

### Shutdown:
1. Lower setpoint to OFF.
2. Switch off dryer.
3. Allow to cool 1 minute.
4. Stop airflow.

### Loader fill or Hand-fill feature (model dependent)

- Models SL2.5 and SL5 come standard with a hand-fill lid.

### A SlimLine to fit your application

The right technology for the right price, throughputs range from 0.25 (0.11) to 50 lb/hr (23 kg/hour).
## SPECIFICATIONS

### COMPRESSED AIR DRYERS

**SLIMLINE**

**SL MODELS 2.5, 5, 15, 25 AND 50**

### SPECIFICATION NOTES:

**SCFM - Standard Cubic Feet per Minute**

**SLM - Standard Liters per Minute**

* Model SL15 does not include a access door on the hopper.

† Compressed air supplied to the dryer must meet specification requirement of 100 psi (6.9 bar) and 40° F (4°C) pressure dewpoint and a residual oil content of less than 3mg/m².

Specifications may change without notice. Consult a Milacron representative for the most current information.

### APPLICATION NOTES:

Milacron recommends purchasing the optional membrane when:

Your process requires that you obtain a dewpoint of -40°F (40°C) or the compressed air dewpoint you are supplying is above 40°F (4°C).

---

### MODEL

<table>
<thead>
<tr>
<th>SL2.5</th>
<th>SL5</th>
<th>SL15*</th>
<th>SL25</th>
<th>SL50</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Performance characteristics (with full hopper)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Drying Temperature</strong></td>
<td>All models 100° - 350° F (38° - 177° C)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dewpoint</strong></td>
<td>0°F (-18°C) with optional membrane -40°F (-40°C)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Airflow SCFM</strong></td>
<td>2.5 (70.8)</td>
<td>5.0 (141.6)</td>
<td>7.5 (212.4)</td>
<td>12.5 (354.0)</td>
</tr>
<tr>
<td><strong>Airflow with membrane SCFM</strong></td>
<td>3.1 (88.0)</td>
<td>6.8 (193.0)</td>
<td>9.3 (263.0)</td>
<td>15.7 (445.0)</td>
</tr>
<tr>
<td><strong>Hopper volume ft³ (L)</strong></td>
<td>0.125 (3.5)</td>
<td>0.25 (7.1)</td>
<td>0.75 (21.2)</td>
<td>1.25 (35.4)</td>
</tr>
<tr>
<td><strong>Heater size kW</strong></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td><strong>Dimensions in [cm]</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>A - Height</strong></td>
<td>22.5 (57.2)</td>
<td>40.0 (101.6)</td>
<td>26.5 (67.3)</td>
<td>32.0 (81.3)</td>
</tr>
<tr>
<td><strong>B - Overall width</strong></td>
<td>11.0 (27.9)</td>
<td>11.0 (27.9)</td>
<td>12.5 (31.8)</td>
<td>15.5 (39.4)</td>
</tr>
<tr>
<td><strong>C - Depth</strong></td>
<td>19.0 (48.3)</td>
<td>19.0 (48.3)</td>
<td>25.5 (64.8)</td>
<td>24.0 (61.0)</td>
</tr>
<tr>
<td><strong>Drying hopper inlet pipe size</strong></td>
<td>1/2 inch NPT female</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Weight lb (kg)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Standard dryer installed (empty)</strong></td>
<td>32 (14.5)</td>
<td>37 (17)</td>
<td>56 (25)</td>
<td>87 (39)</td>
</tr>
<tr>
<td><strong>Shipping</strong></td>
<td>60 (27.2)</td>
<td>70 (31.8)</td>
<td>160 (72.6)</td>
<td>160 (72.6)</td>
</tr>
<tr>
<td><strong>Voltage- Total amps</strong></td>
<td>120V/1 phase/60 Hz</td>
<td>8.5</td>
<td>8.5</td>
<td>8.5</td>
</tr>
<tr>
<td>220 V/1 phase/50 Hz</td>
<td>4.3</td>
<td>4.3</td>
<td>4.3</td>
<td>8.4</td>
</tr>
<tr>
<td><strong>Compressed air requirements</strong></td>
<td>†</td>
<td>100 PSI (6.9 bar) clean, dry compressed air pressure dewpoint of 40°F (4°C); residual oil content of less than 3 mg/m²</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### MOUNTING INTERFACES:

<table>
<thead>
<tr>
<th>Base Plate</th>
<th>7/16 inches (1.11 cm) diameter</th>
<th>Base Plate</th>
<th>7/16 inches (1.11 cm) diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB01 stand on models SL2.5, SL5 and SL15</td>
<td></td>
<td>IB02 stand on models SL2.5 and SL50</td>
<td></td>
</tr>
<tr>
<td>1.5 inch (3.81 cm) diameter</td>
<td>4 inches (10.16 cm) square</td>
<td>3 inches (7.6 cm) diameter</td>
<td>6 inches (15.2 cm) square</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Base Plate</th>
<th>3 inches (7.6 cm) square</th>
<th>Base Plate</th>
<th>5 inches (12.7 cm) square</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB01 stand on models SL2.5, SL5 and SL15</td>
<td></td>
<td>IB02 stand on models SL2.5 and SL50</td>
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