Items needed for Automatic Syringe Dispensing and Setup:
- dispense tip
- (2) syringe bodies
- plunger
- dispense cup
- valve cap w/tubing
- syringe connector

Insert supply syringe into fluid container with the plunger fully depressed. With the syringe still inserted, slowly pull plunger until syringe is filled. Remove syringe.

Attach filled syringe to empty dispense syringe using supplied connector.

Fully depress plunger to transfer the fluid to the auto-dispense syringe body. Take care to remove any trapped air in the syringe body. Air pockets may cause fluid drips after dispense.
When filled, ensure that the level of the stopper does not exceed this point.

**Measure Fluid Level** 5

Connect dispense syringe to valve cap.

**Connect Syringe** 6

Twist body of dispense syringe 90° to secure into place.

**Secure Syringe** 7

Connect dispense tip to syringe.

**Connect Tip** 8

continued
Place dispense cup on center of vacuum chuck of spin processor. Press [VACUUM] key to hold in place.

Connect Tubing

Connect Syringe

Adjust Pressure

Place dispense cup on center of vacuum chuck of spin processor. Press [VACUUM] key to hold in place.

Locate syringe tubing and pilot air valve. (marked as “1, 2, ...”) Insert tubing into pilot air valve.

Insert syringe into lid of spin processor. Seat completely.

Turn knob on side of spin processor fully counterclockwise to begin process with no air pressure (0 PSI) to syringe.
Press EDIT MODE key to enter Program Mode. Ensure that Valve A is actuated in your program.

(see EDIT MODE in your Operation Manual for more details)

**Actuate Valve**

13

**Run Process**

14

**Programming Worksheet**

To find dispense pressure, operate in Program Mode

Program:_____ (A-T) Valve Identification

<table>
<thead>
<tr>
<th>Valves:</th>
<th>1 Dispense</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step</th>
<th>Time</th>
<th>Speed</th>
<th>Valves Not Active On Lite</th>
<th>Accel Index</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>1.0</td>
<td>X=ON</td>
<td>0-15</td>
<td></td>
</tr>
</tbody>
</table>

- Increase pressure from off until chemical begins to dispense. Lock down nut. Pressure is now set.