AUTOMATIC RATE CONTROLLERS FOR LIQUID

SIMPLE
AFFORDABLE
RELIABLE
ACCURATE

Liquid Fertilizer?
Side Dress?
Anhydrous Ammonia?
Fumigation?
Strip-Till?
Sprayers?
Air Blast?

YES.

IT CAN DO THAT.
Advanced Liquid Rate Control

Flexible, powerful, automatic liquid rate control solutions for agriculture, turf, and highway maintenance. Customizable monitoring options and advanced features let you manage your liquid applications with absolute peace-of-mind.

- Flow or Pressure based Control
- Expanded PWM control capabilities
- Unique Multifunction outputs to control on/off valves for Master, Relief, Flow Trigger, or Flush functions
- **RateKing Dual Plus** - Dual channel design allows application of two products from one controller

<table>
<thead>
<tr>
<th>Feature</th>
<th>SprayMate™ Plus</th>
<th>RateKing™ Plus</th>
<th>RateKing™ Dual Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channels</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Section Outputs</td>
<td>3</td>
<td>3, 5, or 7</td>
<td>3, 5, or 7</td>
</tr>
<tr>
<td>Multifunction Outputs</td>
<td>1</td>
<td>2</td>
<td>2 on each channel</td>
</tr>
<tr>
<td>PWM Duty Cycle Monitoring</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>VRA Enabled</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Control Modes: PWM or Servo</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Flow Based Control</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pressure Based Control</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Open Loop Control</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pressure Limit Alarms</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Liquid or NH3 Mode</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Agitation in Hold</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Available in 3-section model.

Available in 3, 5 and 7-section models.
RateKing Dual Plus Channel Modes

Normal Mode
Example Use: Applying fertilizer and NH3 on the same pass.
Channels operate independently.
Channel 1 uses section switches. Channel 2 is single width - on/off.

Parallel Mode
Example Use: Applying fertilizer and herbicide on the same pass.
Channels operate independently, but Channel 2 uses section widths defined by Channel 1.
Both channels use Channel 1 section switches. On/off status is also shared unless one of the channels is turned off.

Injection Mode
Example Use: Injecting a chemical into a carrier.
Channels 1 & 2 are linked together with Channel 1 in control. Channel 2 uses section widths defined by Channel 1.
Channel 1 switches control product delivery.

Precision vs. Guesswork
Why gamble on the profitability and future of your operation?
The stakes are simply too high to rely on guesswork when applying herbicides, fertilizer, or NH3.
The Plus Series of controllers are designed to automatically compensate for the unseen variables that cause over and under application.
Multifunction Outputs

The SprayMate Plus has a single Multifunction Output that can be configured for these valve control functions:

- **Master** - valve closes only when all sections are off - controls a Master valve for a multi-section NH3 installation
- **Relief** - opens a relief valve when all sections are off to avoid excess pressure when using a positive displacement pump
- **Flush** - opens a valve to purge the lines when in Hold to prevent fumes from disturbing workers on the ground
- **Fixed Flow** - turns on another electric pump at a preset gallon per minute trigger point to add additional flow capacity to your system only when you need it
- **Proportional Flow** - opens another valve (or valves) at a preset gallon per minute to reduce the system pressure required to achieve the target rate

The RateKing Plus and RateKing Dual Plus feature two Multifunction outputs for each of their operating channels:

<table>
<thead>
<tr>
<th>Multifunction “A”</th>
<th>Multifunction “B”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master</td>
<td>Master</td>
</tr>
<tr>
<td>Relief</td>
<td>Relief</td>
</tr>
<tr>
<td>Flush</td>
<td>Fixed Flow</td>
</tr>
<tr>
<td>Fixed Flow</td>
<td>Proportional Flow</td>
</tr>
</tbody>
</table>

The interaction of the two Multifunction outputs offers unparalleled flexibility in setup.

The possibilities are nearly limitless.
Accomplish more with one controller than ever before.

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