

The **A-I Series** allows up to three lanes of precise liquid applications. The on-board computer automatically monitors the chemical flow and vehicle speed, allowing the unique variable orifice nozzle to open-and-close to meet your application needs.



Conventional Nozzle Limitations

The pressures at which the conventional nozzles operate, to apply product at 25 gal./lane mile are **not** practical at higher or lower speeds. At 50 gal./lane mile, the numbers are even less practical. When you double the flow through a conventional fixed-orifice nozzle . . . the pressure must increase **four times**.

The **Variable Orifice Nozzle** gives a sprayer the ability to apply product, without large pressure changes, continually operating at pressures between 18 and 25 psi, and at any speed between 0 m.p.h. and 60 m.p.h.

Accurate Application

If you set an application rate of 30 gal./lane mile, at a full stop, the system is putting out zero gal. per lane mile, with no drip. At 1 m.p.h., the system is putting out 30 gal./lane mile. At 35 m.p.h., the system is putting out 30 gal./lane mile. At 50 m.p.h., the system is still applying 30 gal./lane mile, which is a precise application of your own preset rate -- up to 60 m.p.h.

Easy Operation.

Everything is controlled from inside the cab. The control console is easy to learn and operate.

You may use any combination of one, two or all three lanes, with a flip of a switch.

Automatic sensors calculate speed and adjust your flow rate on the go.

The in cab console provides digital information. It displays the accumulated of total gallons applied. Allowing the driver to know when to head back for more material. It also displays other pertinent information.

Working Reliability .

The simplicity of the system is one of its most valued traits. The chemical carrier system is completely constructed of non-corrosive materials. The variable orifice nozzle naturally discourages clogging.

The **A-I Series** lets you spray, at any rate, from 20 to 60 gal./lane mile.

You can slow down or speed up with the flow of traffic, while accurately applying the product.

When you stop-and-start the vehicle at intersections, the system will automatically stop-or-start spraying at the pre-set rate.



815-673-4321

Fax 815-672-2678

502 N Vermillion Streator, IL 61364

www.flinkco.com

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ICE & SNOW CONTROL