

# SPRATRONICS DEFLECTOR O-NOZZLE

## SINGLE-LANE ANTI-ICING AND DE-ICING



### New Business Opportunity

- ❑ Ideal for contractors, parking lot operators and shopping mall owners to keep roadways, pedestrian and parking areas ice-free.
- ❑ Contractors can win new winter-time contracts with municipal and county governments for anti-icing/de-icing services.
- ❑ Now snow plowing, sanding, pre-wetting and anti-icing/de-icing can be combined using smaller size trucks.

### Improved Technology

- ❑ Pedestrian walkways, parking lots, single lane roads can now be ice-free all winter, helped by this latest invention from Spratronics.
- ❑ The *Deflector O-NOZZLE* uses patented technology to spray from .1 to 13 gpm, responding instantly to control setting changes.



### Outstanding Results

- ❑ Spray mixtures up to 40 gallons per lane mile or more can be applied at speeds to 40 mph using only 2 nozzles.
- ❑ Two *Deflector O-NOZZLES* cover up to a 12' wide lane.
- ❑ Works perfectly in stop and go traffic at any application rate without skipping, dribbling or flooding.





## Unique Design Features

The **O-NOZZLE** has two sections which work together to produce a calibrated flow that spreads evenly across any icy surface. The barrel contains a spring loaded piston that is pushed open by the pressurized mixture. As it opens, an evenly controlled flow rate is accurately metered as shown in the graph below. When the pressurized stream exits the barrel, it strikes the deflector tip and is turned 90°. This spreading stream is contained within the tip sidewalls to form a 100° fan-shaped spray.

## Even, Uniform Spraying

Unlike fixed orifice nozzles that dribble at low pressure and choke at higher pressures, the **O-NOZZLE** responds uniformly across the full range of pump pressures and flow rates. This guarantees results- when more spraying volume is called for, the **O-NOZZLE** responds instantly. Whenever spraying is stopped, the **O-NOZZLE** spring system seals the orifice tightly with no drips, no waste.

- ☒ The anti-drip feature immediately stops liquid flows when shut off with no drips or puddles.

## Simple Installation

- ☒ A tank, pump, controls and two **Deflector O-NOZZLES** are all that is required to eliminate icy conditions with a small truck.
- ☒ Contact Spratronics for detailed information on your choice of economical manual controls.



## Zero Velocity Spraying

- ☒ **Deflector O-NOZZLES** spray backwards, thereby canceling forward speeds of the truck.
- ☒ Spray streams land softly without the fog or clouds created by wind turbulence from the forward speed of the truck.
- ☒ The usual fog or cloud droplets from spraying are avoided.



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