



FIRST RESPONSE®

FIRST RESPONSE SYSTEM IS COVERED UNDER THESE PATENT NUMBERS: 14/172241, 7370818 & 8662422

Three-in-One System

The Henderson First Response System is the answer to snow and ice control problems, regardless of road conditions. The First Response System provides precision control and ample granular and liquid capacity for

anti-icing liquid applications, granular spreading or pre-wetting. In addition, all of these functions can be changed on the go. The First Response System: ready to tackle any winter road condition.



GRANULAR APPLICATIONS

- Allows for precise spreading of all granular material.

PRE-WETTED GRANULAR

- Apply and control gallon per ton of pre-wetting solution to granular materials.
- Allows on-the-go control.

ANTI-ICING

- Allows for direct liquid application, which gives you the capability to apply liquid directly to the road surface.
- Sprays liquid anti-icing materials and provides selectable coverage over 1, 2 or 3 lanes at one time - all controlled from the cab.
- High capacity anti-icing pump provides 15-45 gallons per mile.

The Dependable Ones™

PREMIUM ANTI-ICING & DEICING SYSTEM



BODY

Sides, ends and side supports are of 10-gauge stainless steel. The body is continuously welded on the inside and outside. Side slope is 50° and the rear slope is 9°. Inside top width of the V-box is 72" and the outside width is 82". A stainless steel enclosure houses the liquid pumps and valving at the rear. Formed stainless steel hooks are on each corner. All hardware is stainless steel.

LIQUID RESERVOIRS

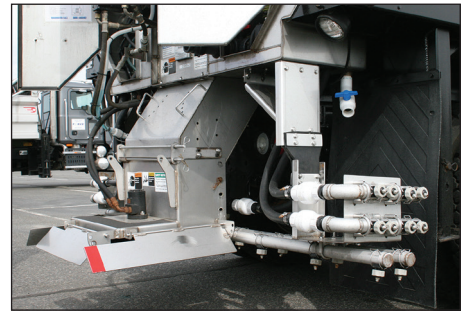
Full body length reservoirs are 10-gauge stainless steel with 5" of storage capacity under the spreader body to allow liquid to flow between tanks. Reservoirs are an integral part of the spreader body with all seams continuously welded. Liquid reserves are fully baffled to control liquid movement and double as side supports for the spreader. Combined reservoirs provide approximately 100 gallons per body foot length. Reservoir includes a full length agitator to ensure liquid material remains in suspension.

DUAL AUGERS

Dual counter-rotating 7" augers easily handle the mixing duties for slurry applications. Salt is fully activated in the hopper, creating a slurry with reduced bounce and scatter.

SPINNER CHUTE ASSEMBLY

Completely enclosed telescopic design is of 10-gauge stainless steel. Top-mounted hydraulic spinner motor is enclosed in the chute to maximize material flow and improve spread pattern. Spinner motor is mounted directly to the spinner for elimination of shaft and bearings. Two internal baffles direct material flow to the spinner disk for directional spread control. Three external adjustable deflectors and one fixed deflector with overlapping corners control the spread pattern. The adjustable spinner deflectors are easily replaceable without tools for easy servicing. A quick latching spinner bypass chute diverts material behind spinner for fast unloading. Poly spinner disk is 20" diameter and has a replaceable hub.



ANTI-ICE SYSTEM/PRE-WET

Anti-icing variable displacement orifice nozzle assemblies provide direct application of liquid to the pavement and provide a much wider range of application rates and truck speeds compared to fixed displacement nozzles.

The nozzle assemblies are adjustable in height and angle for optimum placement of liquid and provide left, center and right lane coverage.

The pre-wetting function also features a variable displacement orifice which provides an extended range of liquid material flow. These orifices are positioned in the spinner chute assembly for direct application.

Two in-line liquid flow meters provide information to the hydraulic control system for precise control and monitoring both pre-wetting and anti-icing applications. All components are mounted in a self enclosed stainless steel cabinet. Components are easily accessible via hinged doors.

TOP GRATE SCREENS

Top grate screens are constructed of 3/8" rod on 3/8" rod with anti-freeze hinges. A hydraulic safety interlock auger shut-off system shuts the augers down when top screens are opened to help prevent personal injury. Interlock plumbed at factory.



FIRST RESPONSE SYSTEM DIMENSIONS & CAPACITY CHART

LENGTH	OUTSIDE WIDTH (inches)	WEIGHT OF UNIT (approx lbs)	CAPACITY GRANULAR (cu. yd. struck)	CAPACITY LIQUID (gal.)	RECOMMENDED CA or CT (inches)
9'	82	4100	5.2	900	72" CA
10'	82	4400	5.8	1,000	84" CA
11'	82	4700	6.4	1,100	96" CA
12'	82	5000	7.0	1,200	108" CA
13'	82	5300	7.5	1,300	96" CT
14'	82	5600	8.1	1,400	108" CT
15'	82	5900	8.7	1,500	120" CT

OPTIONS

- Chassis mount with integral sloped fenders
- Heavy-duty top grate screens
- Standard light kit
- Inverted Vee
- Hold down kit

COMPLETE MUNICIPAL SNOW & ICE CONTROL SOLUTIONS

PLOWS • WINGS • UNDERBODY SCRAPERS • SAND & SALT SPREADERS • STANDARD & PRECISION SPINNERS • DUMP BODIES • COMBINATION (MUNICIPAL) BODIES
BRINE PRODUCTION & MANAGEMENT SYSTEMS • ANTI-ICE SYSTEMS • PRE-WET SYSTEMS • SLURRY SYSTEMS • COMPLETE TURNKEY PACKAGES



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