

# Henderson® BrineXtreme® ULTIMATE MOBILE UNIT

## Mobilize Your Brine Making Operation! Professional Grade Salt Brine Making, Blending & Truck Loading Solutions Anytime, Anywhere!

With **BrineXtreme**, Henderson showed the world what professional salt brine making, blending and truck fill systems look like. Now we're mobilizing that same technology for our customers wanting to produce brine at multiple locations, share the equipment or simply lacking a facility capable of housing a full-scale brine operation.

This mobile unit consists of a stainless steel (self-cleaning) salt brine tank and an enclosure that houses the salinity control. Customers do have the option of adding a single blending module and/or truck fill station at the time of purchase. A power source and ample supply of fresh water will be required at each location desired for brine production. The enclosed half

of the trailer protects the salinity control (electronics), cellular gateway and pump motor. It also doubles as storage for extension cords, hoses and other necessary equipment.

**BrineXtreme** consistently delivers the optimum mixture of 23.3% salt concentration by weight as it reads the solution's density. This precise concentration allows the brine to perform in temperatures down to -6° F (-21° C).

Extreme weather calls for extreme solutions. The ability to deliver a preemptive strike against potentially paralyzing winter storms is vital in securing safe travel. When you're ready for professional grade salt brine solutions, turn to...

*The Dependable Ones™*



**BrineXtreme Mobile Unit**  
All photos shown with optional equipment.

### FEATURES

- Trailer Dimensions – 8' wide by 21' long (not including hitch)
- Trailer Weight – has a curb weight of approx. 6,000 lbs
- Tank Construction – 10 ga. stainless steel (hopper and frame)
- Tank Capacity – 5 cu. yd.
- Clean Out of Fines – fresh water flush
- NEMA 4x Cabinet – salinity control and truck fill station
- Salinity Control Monitor – 10.4" color TFT touch screen
- Truck Fill Station - optional
- Truck Fill Panel – interactive LCD screen with key pad entry
- Blending Module – optional for blending a single additive

# FEATURES & BENEFITS

## Automated Brine Salinity Control

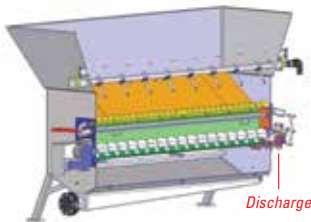


Exterior utility connections

## Self-Cleaning Brine Maker



The BrineXtreme salt brine tank features an integral polypropylene auger. The auger removes large debris from the 380 gallon sump to the discharge chute, so it may be collected in a waste container. Combined with the salinity control, the system will automatically clean the tank as needed, then resume brine production.



## Features Unique to BrineXtreme

- Mobile Brine Production
- 100% Automated – from tank to truck
- Production Rates – up to 9,600 GPH or 160 GPM, continuous production
- Clean Out of Large Solids – 100% automated when paired with the salinity control using an integral polypropylene auger to expel large debris through discharge chute
- Mid-flow Down Design – breaks down salt fast, while minimizing salt spray into the air
- Remote Access – LAN and cellular connection to WAN connection
- Salt Concentration – measured by density, accurate to 0.001 SG
- Variable Truck Fill Rates of 20-400 GPM
- Pneumatic Valves – industrial grade, equipped with open and close ramping function to eliminate water hammer
- Uses solid state flow meters
- Flash drive export of system data

## The Benefits of BrineXtreme

- Consistent production of eutectic salt brine, a perfect 23.3% salt concentration by weight. Higher concentrations of salt fail to yield better performance. Lower concentrations of salt can actually create more hazardous road conditions.
- Pre-treating roadways with brine greatly reduces frozen precipitations ability to bond with the surface
- DOTs are reporting up to a 30% reduction in annual rock salt consumption, when pre-treating roadways with brine
- Salt brine is inexpensive to produce at roughly \$0.10 per gallon
- Salt brine used in deicing efforts (create a salt slurry or pre-wet rock salt) is the fast way to burn off frozen precipitation. It also reduces scatter, keeping the material on the road and working.
- Continuous production (not produced in batches) with production rates that are unmatched anywhere in the world
- Labor required: hook up electricity, connect your water supply, load the hopper with salt and press the start button.
- Self cleaning stops brine production for a couple minutes then automatically resumes
- Achieve and maintain safe public travel conditions

## Truck Fill Features

- Blend brine with up to one additive
- Variable fill rates of 20-400 GPM, depending on pump configuration
- Accurate filling – 0.5% repeatability
- Truck fill readout and data logging

**Truck Load-out Interface**  
Interactive and as easy to use as an ATM.



## Data Logging

The BrineXtreme system logs data based on events and summarizes all of the pertinent information at each event. The data can then be viewed on the machine, downloaded via LAN or USB, sent via email or text message, or printed at the machine. This allows for flexible management and monitoring.

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1085 S. Third St., P.O. Box 40, Manchester, IA 52057  
Toll Free: (800) 359-4970  
[www.hendersonproducts.com](http://www.hendersonproducts.com)

