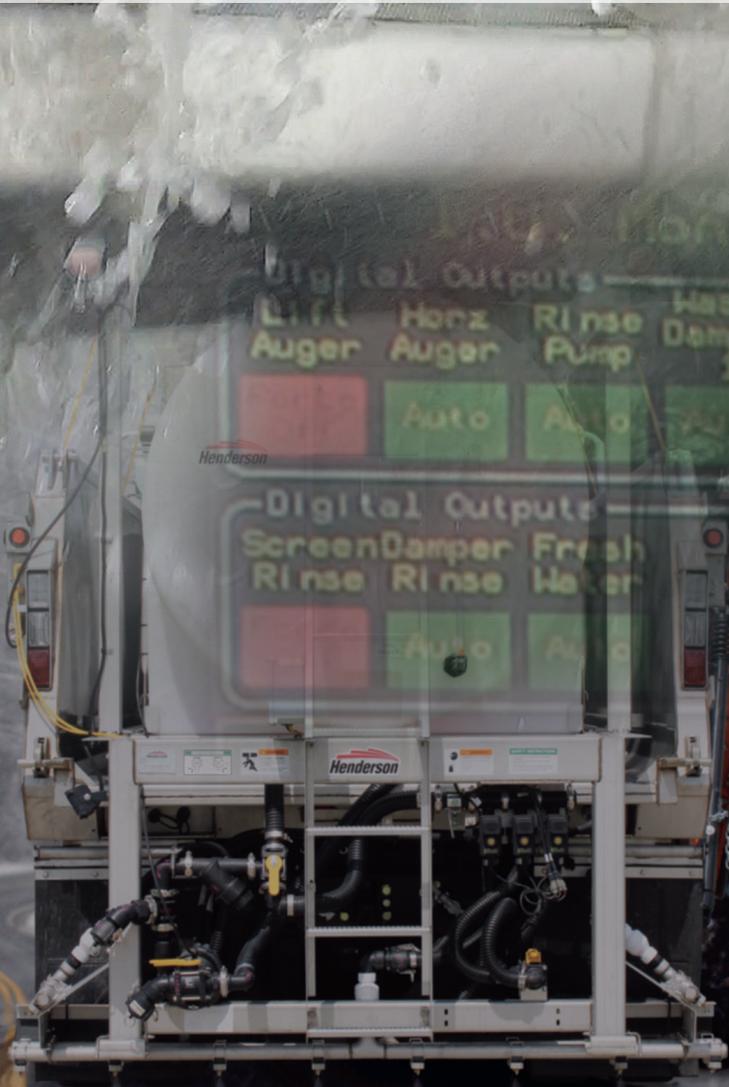


# Henderson

## BrineXtreme®



PROFESSIONAL GRADE BRINE SYSTEMS



# BrineXtreme<sup>®</sup> INFINITY<sup>™</sup>

US Patent 13/656,412. Other patents pending.

*With Auto-Clean Technology<sup>™</sup>*

The BrineXtreme<sup>®</sup> Infinity<sup>™</sup> delivers continuous salt brine and simultaneously self-cleans without the need to stop brine production! That's the power of Auto-Clean Technology<sup>™</sup>! Connect to power, connect to water, fill the hopper with rock salt, start the system and you're making professional grade salt brine.

An easy-to-operate brine making powerhouse, the BrineXtreme<sup>®</sup> Infinity<sup>™</sup> features a 5 cu. yd. salt hopper, production rates up to 7,500 GPH, salt concentration accurate to 0.01 SG, 100% automation and repeatability, protected



BRINE PRODUCTION  
CONTINUOUS/AUTOMATED

CLEANOUT  
CONTINUOUS/AUTOMATED

AVAILABLE CONTROLS  
PRO OR ULTIMATE

GALLONS/HOUR OUTPUT  
UP TO 6,000 (PRO) / 7,500 (ULTIMATE)

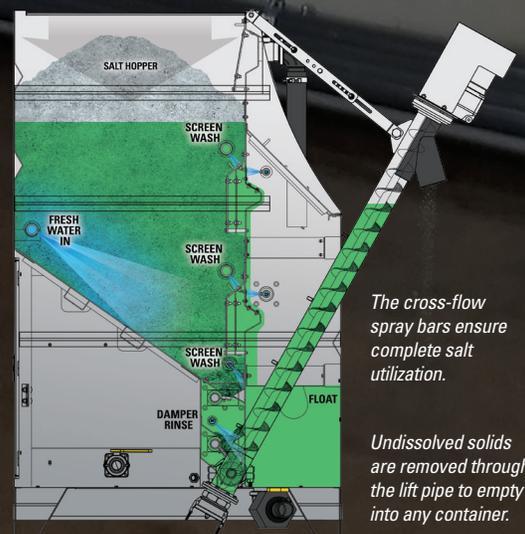
HOPPER WIDTH  
11'

HOPPER CAPACITY  
5 CU. YD.



OVERALL DIMENSIONS	169.49" x 92.30" x 102.05"
HOPPER FOOTPRINT	132.00" x 58.75"
HOPPER OPENING	128.27" x 32.39"
APPROX. WEIGHT W/O INTEGRAL PRO CONTROLS	2600 LBS
APPROX. WEIGHT W/ INTEGRAL PRO CONTROLS	3000 LBS

mechanicals, triple-filtered, splash-free brine transfer, intuitive touch screen display, data logging, storage tank level monitoring, UL Listed salinity control and more. System flexibility is the cornerstone of the BrineXtreme® line. Pair this brine maker to either Pro or Ultimate controls to meet your needs.



The cross-flow spray bars ensure complete salt utilization.

Undissolved solids are removed through the lift pipe to empty into any container.

Shown above with Ultimate Controls.



# BrineXtreme<sup>®</sup>

## ADVANTAGE<sup>™</sup>

*US Patent 13/656,412. Other patents pending.*

The BrineXtreme<sup>®</sup> Advantage<sup>™</sup> brings reliable, consistent brine production to the masses. Connect to power and water, fill the hopper with rock salt, start the system and you're making professional grade salt brine. This brine making workhorse features a 4.67 cu. yd. salt hopper, production rates up to 7,500 GPH, splash-free brine transfer, large, unobstructed cleanout openings and more. System flexibility is the cornerstone of the BrineXtreme<sup>®</sup> line. Match this brine maker to either Pro or Ultimate controls to meet your needs. Pro controls can be integrated or separated from the brine maker. Add Truck Fill Station for mixing/blending and truck or tank filling capabilities.



BRINE PRODUCTION  
**CONTINUOUS/AUTOMATED**

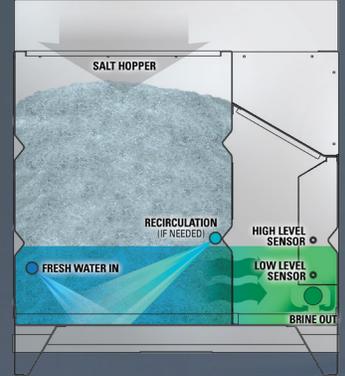
CLEANOUT  
**MANUAL** (SEE SPECS BELOW)

AVAILABLE CONTROLS  
**PRO** OR **ULTIMATE**

GALLONS/HOUR OUTPUT  
**UP TO 6,000** (PRO) / **7,500** (ULTIMATE)

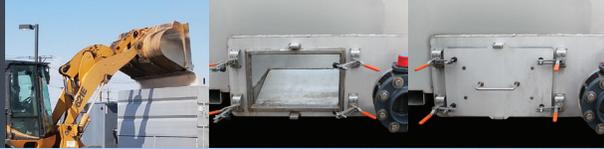
HOPPER WIDTH  
**11'**

HOPPER CAPACITY  
**4.67 CU. YD.**



Undissolved solids are removed through the large opening.

Cross-flow brine transfer for splash-free performance.



Pro Controls can be attached or detached.

OVERALL DIMENSIONS	165.19" x 54.25" x 63.03"
HOPPER FOOTPRINT	132.00" x 54.00"
HOPPER OPENING	128.27" x 32.39"
CLEAN OUT: SOLIDS	15.00" x 9.00" PANEL
CLEAN OUT: FINES	3.00" BUTTERFLY VALVE
CLEAN OUT: FLOOR	SLOPED
APPROX. WEIGHT W/O INTEGRAL PRO CONTROLS	2400 LBS
APPROX. WEIGHT W/ INTEGRAL PRO CONTROLS	2800 LBS



Shown above with Truck Fill Station.  
 Product design subject to change.



# BRINEXTREME® SYSTEM SALINITY CONTROLS

## ULTIMATE CONTROLS

### CAPABILITIES

**BRINE PLUS BLEND UP TO 3 ADDITIVES,  
3 MICRO INGREDIENTS &  
FILL 3 TRUCKS SIMULTANEOUSLY**

### SALINITY CONTROL

**AUTOMATED/23.3%**

### ACCURACY

**+/- 0.01 SPECIFIC GRAVITY**

### OUTPUT

**UP TO 7,500 GPH**

### TRUCK FILL RATE

**VARIABLE/20-400 GPM**



*Up to 3 Truck Fill Stations can be used*



## PRO CONTROLS

### CAPABILITIES

**BASIC BRINE**

*Add Truck Fill Station to blend up to 3 products/fill trucks*

### SALINITY CONTROL

**AUTOMATED/23.3%**

### ACCURACY

**+/- 0.01 SPECIFIC GRAVITY**

### OUTPUT

**UP TO 6,000 GPH**

### FLOW RATE

**UP TO 100 GPM**



### ULTIMATE CONTROLS

### PRO CONTROLS

Handles All Salt  
(Treated/Untreated)

**Yes**

**Yes**

Motor Drive

**Variable Speed**

**On / Off**

Brine Measurement

**Density**

**Density**

Accuracy

**+/- 0.01 SG**

**+/- 0.01 SG**

Salinity Control

**100% Automated**

**100% Automated**

Brine Making Volume Measurement

**Solid State Flow Meter**

**Open Loop**

LED Touch Screen

**10.4"**

**5.8"**

Data Logging

**Yes**

**Yes**

Storage Tank Level Monitoring

**Yes**

**Yes**

Built-in Self Diagnostics

**Yes**

**Yes**

Cellular Remote Access

**Included First Year  
Optional After 1 Year**

**Optional**

Controls Cabinet Weatherproofing

**NEMA 4X**

**NEMA 4X**

UL Listed

**Yes**

**Yes**

Pump Design

**Pedestal /  
Cast Stainless**

**Pedestal /  
Cast Stainless**

Valves

**Pneumatic Diaphragm**

**Electric Ball (24v DC)**

Pump Motor

**3.5, 5 & 7.5 HP**

**3 HP**

Voltage/Phase

**220v Single Phase or  
208/480/525 Three Phase**

**220v Single Phase**

System Expandable

**Yes**

**No**

## STORAGE TANKS & STRUCTURES

TANK CAPACITIES AVAILABLE:  
**10,000 GALLON**  
**10,500 GALLON**  
**13,000 GALLON**

STRUCTURE SIZE AVAILABLE FOR  
 ULTIMATE / ULTIMATE II / INFINITY:  
**12 x 16 x 8'**  
 GRAY EXTERIOR

STRUCTURE SIZE AVAILABLE FOR  
 PRO / ADVANTAGE:  
**8 x 12 x 8'**  
 GRAY OR SAND/TAN EXTERIOR



## BRINEXTREME® MOBILE BRINE UNIT



### **INFINITY™ MOBILE UNIT**

*US Patent 14/286,706. Other patents pending.*

**BrineXtreme Infinity Brine Maker**  
**BrineXtreme Pro Controls**  
**Enclosed Generator**  
**16' Tandem-Axle Trailer**

HOPPER OPENING	128.27" x 32.39"
TRAILER LENGTH	16 FT.
OVERALL WEIGHT	8,600 LBS.

#### CAPABILITIES

### BASIC BRINE

*Add Truck Fill Station to blend up to 3 products/fill trucks*

#### BRINE PRODUCTION

### CONTINUOUS/AUTOMATED

#### CLEANOUT

### CONTINUOUS/AUTOMATED

#### SALINITY CONTROL

### AUTOMATED

#### OUTPUT

**UP TO 6,000** (PRO Controls)

# BRINEXTREME® TRUCK FILLING & BLENDING

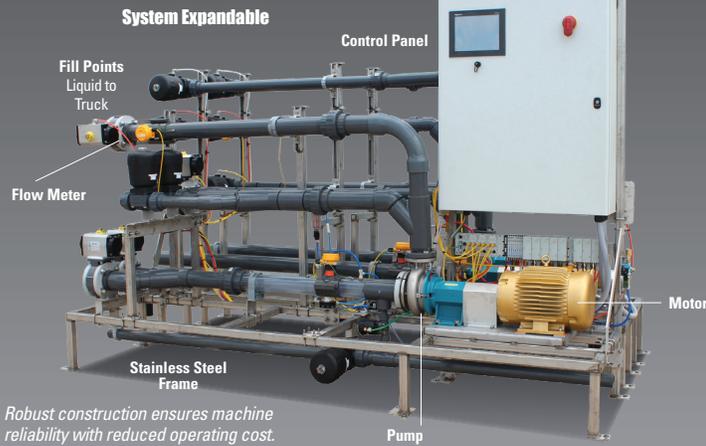
## ULTIMATE CONTROLS

BrineXtreme® Ultimate is a premium industrial grade stand-alone modular controls system offering reliable, accurate and expandable brine production. The Ultimate works effortlessly with up to 5 products (calcium chloride, magnesium chloride, beet juice, etc...) when coupled to the Infinity, or 3 products when coupled to the Advantage; and 3 micro ingredients (dyes, anti-foam solutions, etc...) to produce custom salt brine mixtures.

All brine management tasks are handled including: data logging, remote access, password protection, multiple user setup and more. BrineXtreme® consistently delivers the optimum mixture of 23.3% salt concentration by weight at any temperature. This precise concentration allows the brine to perform in temperatures down to -6°F (-21°C). Accurate salinity control eliminates excessive salt waste.



Up to 3 Truck Fill Stations can be used

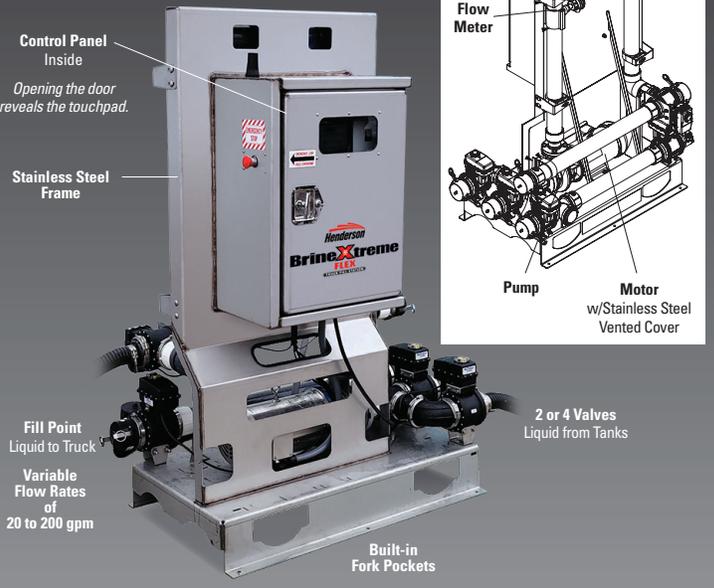


Robust construction ensures machine reliability with reduced operating cost.

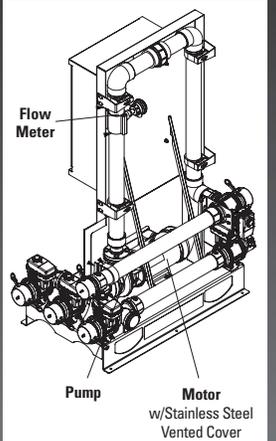
## FLEX TRUCK FILL STATION

BrineXtreme® Flex Truck Fill Station is an advanced stand-alone filling station designed as a companion product for the BrineXtreme® Pro controls.

The Flex Truck Fill Station handles many brine management tasks with features like: plug-n-play installation, blending up to 2 or 4 products, variable 20 to 200 GPM output, data logging, remote access, password protection, multiple user setup and more. And with its modular design and intuitive controls, the Flex Truck Fill Station makes a perfect addition for basic brine handling tasks.



Control Panel Inside  
Opening the door reveals the touchpad.  
Stainless Steel Frame  
Fill Point Liquid to Truck  
Variable Flow Rates of 20 to 200 gpm  
Built-in Fork Pockets



Flow Meter  
Pump  
Motor w/Stainless Steel Vented Cover  
2 or 4 Valves Liquid from Tanks

### ULTIMATE CONTROLS

### FLEX TRUCK FILL STATION

Fully Automatic Blend & Truck Fill	Yes	Yes
Blending Method	Real Time Based on Flow Rate	Stack Based on Volume
Max. No. Truck Fill Points	3	1
Max No. Products to Blend to Truck	5	2 or 4
Tank Level Monitor	1 per Product Pump	None
Truck Fill Flow Rate Measurement	Solid State Flow Meter	Solid State Flow Meter
Micro Ingredient	Up to 3	—
Valve Type	Pneumatic Diaphragm	Electric Ball Valve
Truck Fill Blending Flow Rate GPM at 50' TDH and Sg. of 1.2	100, 200, 300 & 400	Variable - 20 to 200
Number of Pumps	Up to 5	1
Pump Construction	Pedestal / Cast Stainless Steel	Pedestal / Cast Stainless Steel
Pump Motor Control	Variable Speed	Variable Speed
Motor HP	3, 5, 7.5 & 10	5
Touch Screen	10.4"	5"
Remote Access/Cell Gateway	Standard	Optional
Data Logging	Yes	Yes
Voltage/Phase	220v Single Phase or 208/480/525 Three Phase	220v Single Phase
Dimensions	147"W x 65"H x 27"D	55"W x 71"H x 35"D
Approximate Weight		750 Lbs

BrineXtreme system design and components are covered under patent numbers: 13/656412, 14/286706, 14/025177, 62/662546, & 10544340. © Henderson Products, Inc., A division of Douglas Dynamics, L.L.C., reserves the right in pursuit of continuous product improvement to change specifications used herein. As a custom manufacturer of truck bodies, truck equipment and brine systems, additional product options may be available that are not shown here.



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