

Henderson

BrineXtreme



PROFESSIONAL GRADE BRINE SYSTEMS



BrineXtreme[®] INFINITY[™]

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

With Auto-Clean Technology[™]

The BrineXtreme[®] Infinity[™] delivers continuous salt brine and simultaneously self-cleans without the need to stop brine production! That's the power of Auto-Clean Technology[™]! 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[®] Infinity[™] 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)

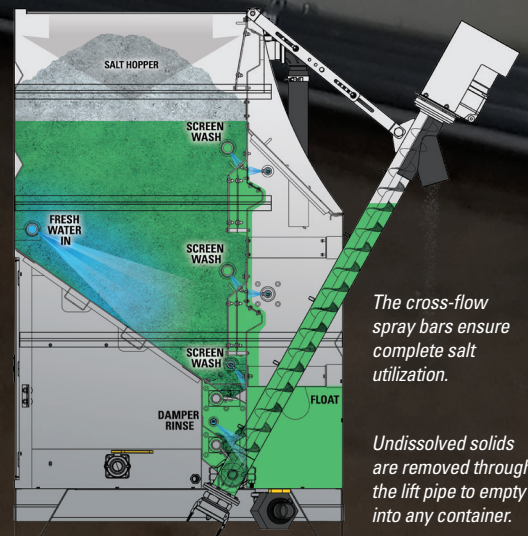
HOPPER WIDTH
11'

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[®]

ADVANTAGE[™]

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

The BrineXtreme[®] Advantage[™] 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[®] 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

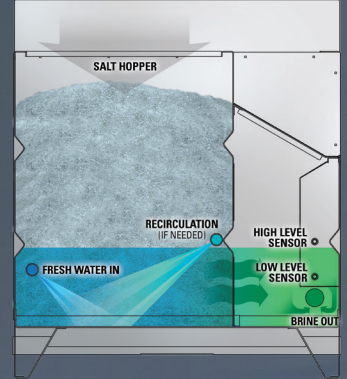
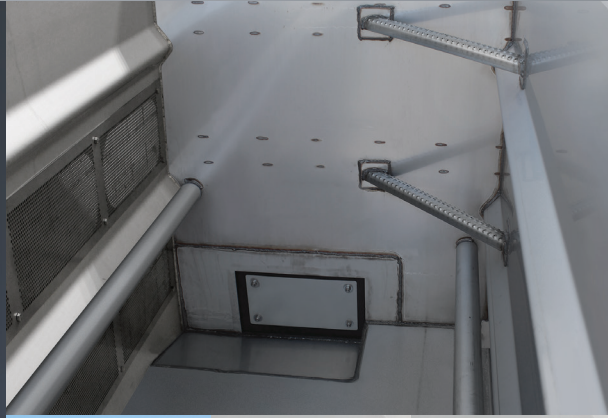
CLEANOUT
MANUAL (SEE SPECS BELOW)

AVAILABLE CONTROLS
PRO OR **ULTIMATE**

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

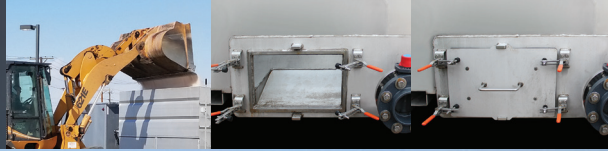
HOPPER WIDTH
11'

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

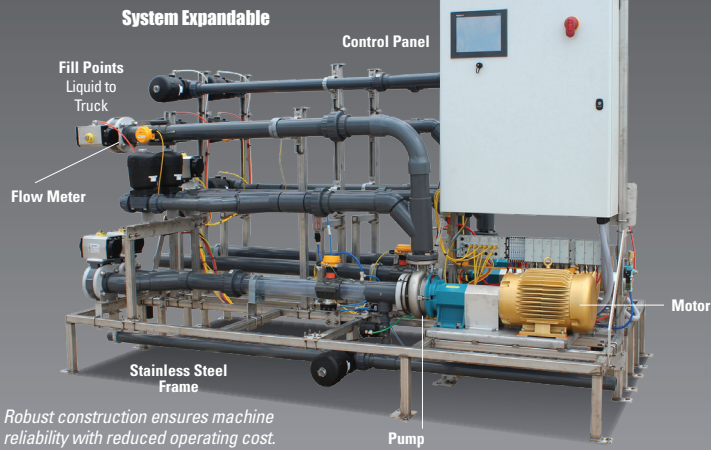
ULTIMATE CONTROLS

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

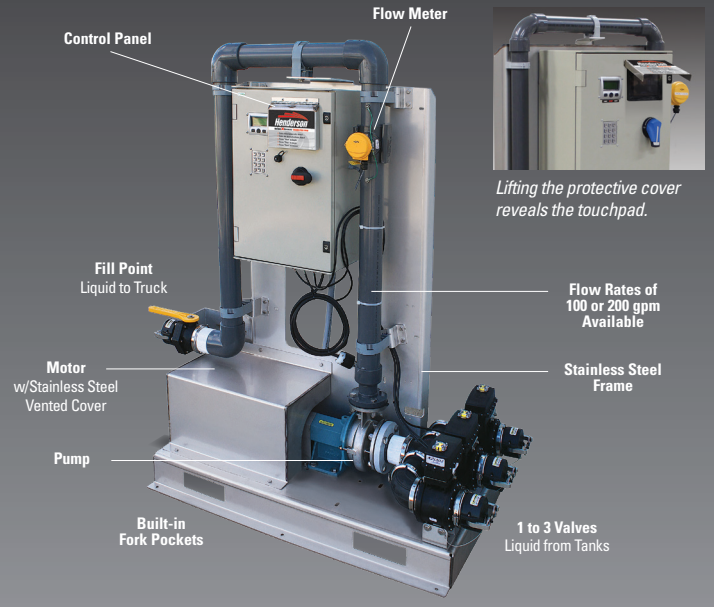


Robust construction ensures machine reliability with reduced operating cost.

TRUCK FILL STATION

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

The Truck Fill Station handles many brine management tasks with features like: plug-n-play installation, blending up to 3 products, data logging, remote access, password protection, multiple user setup and more. And with its modular design and intuitive controls, the Truck Fill Station makes a perfect addition for basic brine handling tasks.



Lifting the protective cover reveals the touchpad.

ULTIMATE CONTROLS

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	3
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	100 or 200
Number of Pumps	Up to 5	1
Pump Construction	Pedestal / Cast Stainless Steel	Pedestal / Cast Stainless Steel
Pump Motor Control	Variable Speed	On / Off
Motor HP	3, 5, 7.5 & 10	3 or 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	61"W x 68"H x 29"D
Approximate Weight		700 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.



1085 S. Third Street, Manchester, IA 52057
Toll Free: (800) 359-4970
www.HendersonProducts.com

Sourcewell 
CONTRACT: 052919-HPI



HP-202 12/22