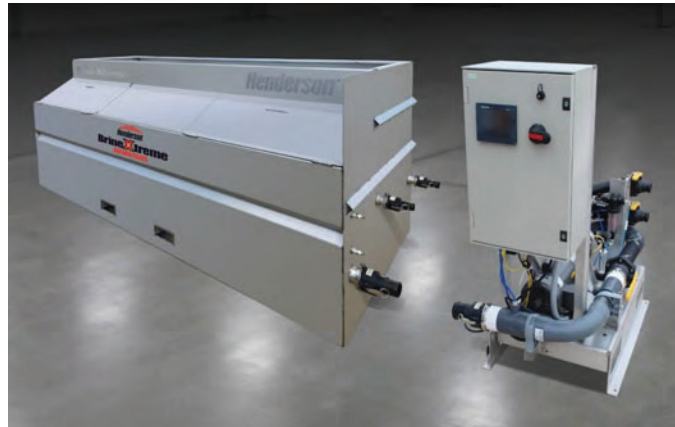


**Village of Oak Park
Capital Improvement Program
2023 - 2027**

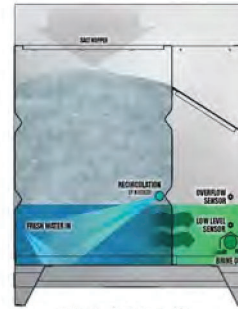
Project: Public Works Center Salt Brine Maker

Priority Code: A

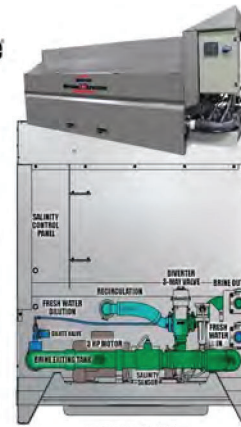
Category: Building Improvements



**BrineXtreme
ADVANTAGE**
Shown with Integrated Pro controls



Brine Tank - Cutaway View



Controls - End View



Description:

This project consists of installing a new salt brine maker and accessory equipment at the Public Works Center to supplement current snow and ice control operations.

Justification:

This equipment is used to produce a salt brine solution that is allied to the roadways in advance of a winter weather event or during an event in addition to rock salt. The use of salt brine at the onset and during a snow event help prevent snow and ice from bonding to the pavement and decreases the amount of rock salt needed. The upfront cost of installation and operation is recovered overtime in the reduced amount of rock salt and chemicals purchases and delivered needed. The use of salt brine in place of or in addition to the standard use of rock salt can have a meaningful impact on the environment and is fiscally responsible as the cost on in-house production is significantly cheaper than purchase and delivery from a vendor. This project aligns with the Village Climate Ready Oak Park Plan Goal: DW05 - Minimize Salt Use.

Current Status:

Snow mitigation is currently handled with plowing, rock salt and calcium chloride. Rock salt and Calcium Chloride are both purchased and delivered by an outside vendor.

				Project	Amended	Year End					
		Actuals		Budget	Budget	Estimate	Recommended Budget				
Funding Sources	Account Number	FY 2020	FY2021	FY2022	FY2022	FY2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Transfer From CIP Fund #3095	3012-41300-101-491495	-	-	-	-	-	175,000	-	-	-	-
Total:		-	-	-	-	-	175,000	-	-	-	-
Expenditures											
		-	-	-	-	-	-	-	-	-	-
Construction	3012-43790-101-540673	-	-	-	-	-	175,000	-	-	-	-
Total:		-	-	-	-	-	175,000	-	-	-	-



HENDERSON

PRODUCTS, INC.

11921 SMITH DRIVE
HUNTLEY, IL 60142
PHONE: 847-836-4996
FAX: 563-927-7108

CUSTOMER QUOTE

Page 1
Quote #151865
Rev #77

To: Village of Oak Park
Attn: Tom Fulton
Quote Date: 9/13/2023
Valid Until: 10/13/2023

Quoted By: Glenn Beck
Phone: 563-927-2828
Cell:
Fax: 563-927-2521
Email: gbeck@hendersonproducts.com

Quoted:

BrineXtreme Quote - Sourcewell Contract # 031423-HPI

Henderson Products is pleased to present the following quote. Please contact us if you have any questions.

Brine Xtreme

Salt Brine Maker Style: **Advantage Brine Maker**
Installation Type: **Fixed Indoor Installation**
Hopper Cover: **Advantage Manual Flip Cover/Extension**
Salinity Control Type: **Pro controls, No truck fill**
Salinity Control Mounting: **Remote mounted controls away from Brine Maker**
Salinity Control Pump Flow Rate: **100 GPM**
System output direction: **Right hand output**
Controls Voltage: **208/220 Volt, 1 Phase**
Low Salt Warning Light: **Yes, low salt warning light**
Storage Tank Level Monitor: **Yes, Storage Tank Level Monitor**
Waterline Air Purge: **No waterline air purge**
Cellular Gateway: **Cellular Gateway (1 year free access included)**
Custom Option Fields: **No Custom Options Required**

Installation Workup

Facility: **IDC-IL**
Chassis Delivery To Henderson: **Truck Dealer/Customer Delivers**
Completed Truck Delivery Method: **Henderson Delivers (100 miles or less)**

Non-Henderson Equipment: **Yes (SELECT OPTIONS BELOW)**
Quantity of Non-Henderson Equip: **Quantity 2**
Equipment Type 1: **Other**
Equipment 1 quote number: **Brine Xtreme Installation**

Equipment 1 spec:

Installation includes Installation of BrineXtreme Controls and
Truck-fill Station and interconnecting plumbing to storage tank.
Equipment Type 2: **Other**
Equipment 2 quote number: **5,000 Gallon Storage Tank**

Equipment 2 spec:

5000 gallon storage tank delivered and placed in specified location





HENDERSON

PRODUCTS, INC.

11921 SMITH DRIVE
HUNTLEY, IL 60142
PHONE: 847-836-4996
FAX: 563-927-7108

CUSTOMER QUOTE

Page 2
Quote #151865
Rev #77

BrineXtreme Truck Fill Flex 2023

Control Type: **Pro Controls**

Truck Fill Pump Flow Rates: **Variable Flowrate 20-200 GPM**

Voltage: **208/220 Volt - 1 Phase**

Storage Tank Level Monitor: **No Storage Tank Level Monitor**

Cellular Gateway: **No Cellular Gateway**

Powered Truck Offload/Agitation: **No Pwr Trk Offload/Agitation**

Number Of Truck Fills: **Fill 1 Truck At A Time**

Number Of Products (Including Brine) To Blend: **2 Products (Brine + 1)**

Single package: \$111,518.00

Package(s) : 1

Total: \$111,518.00

Sales tax may apply to this order but is not included in the package total. If you are tax exempt, please submit your exemption certificate to finance@hendersonproducts.com.

Due to the volatility in material costs and chassis delays, pricing is subject to change at time of manufacturing and/or upfit.

Signed: _____ Date: _____

Quote notes:

BrineXtreme Pro / Advantage System, truck-fill and 1-5,000 gallon storage tank

Price includes installation and training



**National
Purchasing
Partners
Government**
Since 2005





Corporation/LLC Search/Certificate of Good Standing

Corporation File Detail Report

File Number	68194598
Entity Name	HENDERSON PRODUCTS, INC.
Status	ACTIVE

Entity Information	
Entity Type	CORPORATION
Type of Corp	FOREIGN BCA
Qualification Date (Foreign)	Wednesday, 11 January 2012
State	DELAWARE
Duration Date	PERPETUAL

Agent Information	
Name	NATIONAL REGISTERED AGENTS INC
Address	208 SO LASALLE ST, SUITE 814 CHICAGO , IL 60604
Change Date	Wednesday, 25 February 2015

Annual Report	
Filing Date	Tuesday, 14 March 2023
For Year	2023

Officers	
President Name & Address	TODD FIERRO 1085 SOUTH 3RD ST MANCHESTER IA 52057
Secretary Name & Address	SARAH LAUBER (DI) 7777 NORTH 73RD ST MILWAUKEE WI 53223

Assumed Name	
INACTIVE	HENDERSON TRUCK EQUIPMENT - ILLINOIS

[Return to Search](#)

Purchase Certificate of Good Standing

(One Certificate per Transaction)

[File Annual Report](#)

[Adopting Assumed Name](#)

[Change of Registered Agent and/or Registered Office](#)

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Contact Us

213 State Capitol
Springfield, IL 62756
800-252-8980 (toll free in Illinois)
217-785-3000 (outside Illinois)
> Contact Forms

Henderson® BrineXtreme® PRO

Professional Grade Salt Brine Made Easy

The BrineXtreme Pro makes continuous salt brine production simple. Connect to power, connect to water, fill the hopper with rock salt, hit start and you're making professional grade salt brine. It really is that simple.

Before entering the mid-range class of brine makers loaded with batch making systems, a full evaluation of existing models was conducted. The results revealed several deficiencies, including: low volume production rates, unreliable accuracy of brine concentration, labor intensive production process and difficulty discarding undissolved material.

The BrineXtreme Pro is an easy to operate workhorse that delivers: true plug and play installation, a 4.67 cu. yd. salt hopper, production rates up to 6,000 GPH, salt concentration accurate to 0.001 SG, 100% automation and repeatability, protected mechanicals, 135 sq. in. opening for clean out of large solids, splash free brine transfer, intuitive 6" LCD touch screen display, data logging, storage tank level monitoring, UL Listed salinity control and more.

When you need professional grade salt brine fast, without the headache or hassle, look no further. The BrineXtreme Pro is brought to you by...

The Dependable Ones™



100%
■ AUTOMATED ■
■ REPEATABILITY ■

Specifications

Brine Production

- Continuous – up to 6,000 GPH
- Flow Rate: up to 100 GPM
- 100% Automated
- Side Flow
- Handles All Salt – treated or untreated

Salt Hopper

- Capacity: 4.67 cu. yd.
- Dimensions: 132" L x 47" H x 36" W
- Splash free brine transfer
- Dual overflow protection built-in

Salt Concentration Measuring Method

- 100% Automated
- Density – accurate to 0.001 SG

Salinity Control

- 100% Automated
- 6" LCD touch screen
- Data logging
- Storage tank level monitoring
- Built-in self diagnostics
- UL Listed
- Remote access (optional)
- Remote truck fill (optional)

Clean Out

- Easy clean out
- Large Solids – 15" W x 9" H (135 sq. in.) quick-latch removable panel
- Fines – 3" butterfly valve for fresh water flush
- Sloped floor

Construction & Components

- Tanks: stainless steel with v-cramps, boosting structural strength
- Valves: electric actuated (24v DC)
- Motor: industrial grade 3 HP / 230v single phase
- Pump: cast stainless / 180 GPM
- Pump Design: pedestal
- Self-contained design
- Mechanicals: protected
- Forklift Pockets: built-in

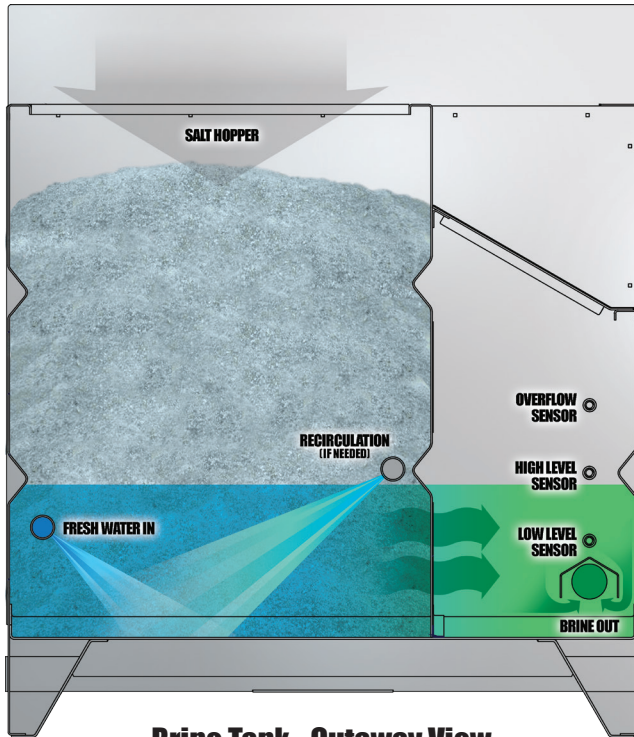
Dimensions & Weight

- Footprint: 166" W x 63" H x 55" D
- Weight: 2,500 lb.

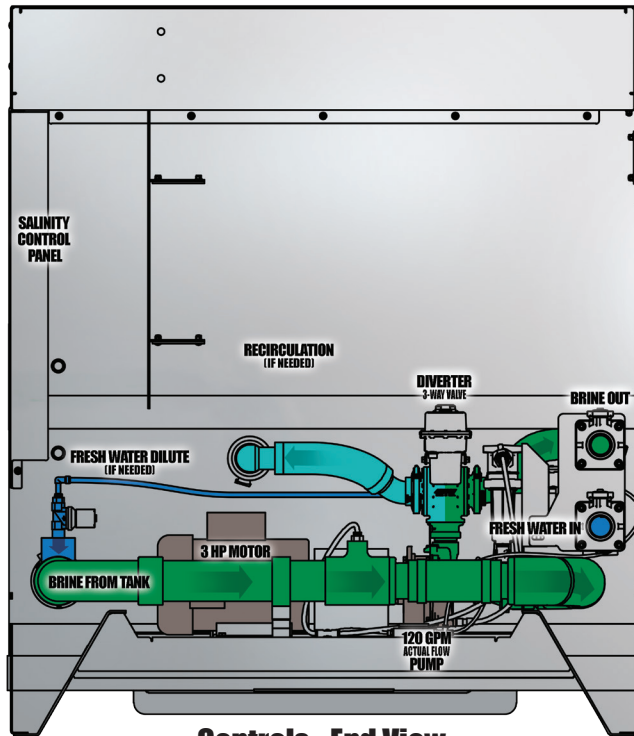
Warranty

- 1-year

FEATURES & BENEFITS



Brine Tank - Cutaway View



Controls - End View

Continuous Brine Production

Eliminates the start and stop repetition employed by batch making systems.

100% Automated

No manual adjustments or monitoring required. Simply add rock salt to the hopper, turn on the water supply and hit start on the LCD touch screen.

Side Flow Design

Placement of water and recirculation lines keeps brine moving and sediment free.

Large Salt Hopper

Holds up to 4.67 cu. yd. of rock salt and is wide enough for industrial sized front-end loaders.

Splash Free Brine Transfer

Brine is transferred through stainless steel screens built into the dividing wall, eliminating splash or mist.

Overflow Protection

Dual overflow protection built into the system.

Data Logging

Tracks brine making activity for your records.

Storage Tank Monitoring

Constant monitoring of brine levels in your storage tanks.

Built-in Self Diagnostics

The system comes complete with built-in trouble shooting software.

UL Listed Salinity Control

Have peace of mind knowing your system is compliant with stringent safety and electrical standards.

100% Automated Salt Concentration Measuring

Automated measuring delivers a precise 23.3% salt concentration by weight (accurate to 0.001 SG), eliminating the need for manual and/or constant monitoring.

Easy Clean Out – Large Solids

Sloped floor and large (15" wide by 9" tall – 135 sq. in.) quick-latch panel allow for easy removal of un-dissolvable material.

Easy Clean Out – Fines

Sloped floor and large (3") manual butterfly valve allow for easy fresh water flush of fine sediment.

Premium Construction

The entire tank is constructed of stainless steel and uses "V" crimp technology to guarantee structural integrity.

Premium Valves

The salinity control manages electric actuated valves, eliminating the need for constant monitoring and/or manual adjustments.

Premium Motor

The system incorporates an industrial grade 3 HP / 230v single phase motor.

Premium Pump

A cast stainless steel pump, rated up to 180 GPM is used to ensure high volume output is maintained.

Pedestal Pump Design

Added protection allows the motor to maintain a safe distance from the pump, in the event of a seal failure.

Self-Contained Design

Plug and play installation. Simply connect electricity, fresh water and brine to storage tank line to get started.

Protected Mechanicals

A stainless hood and raised platform keep mechanicals away from rock salt and liquid.

© 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 St., P.O. Box 40, Manchester, IA 52057
Toll Free: (800) 359-4970
www.hendersonproducts.com

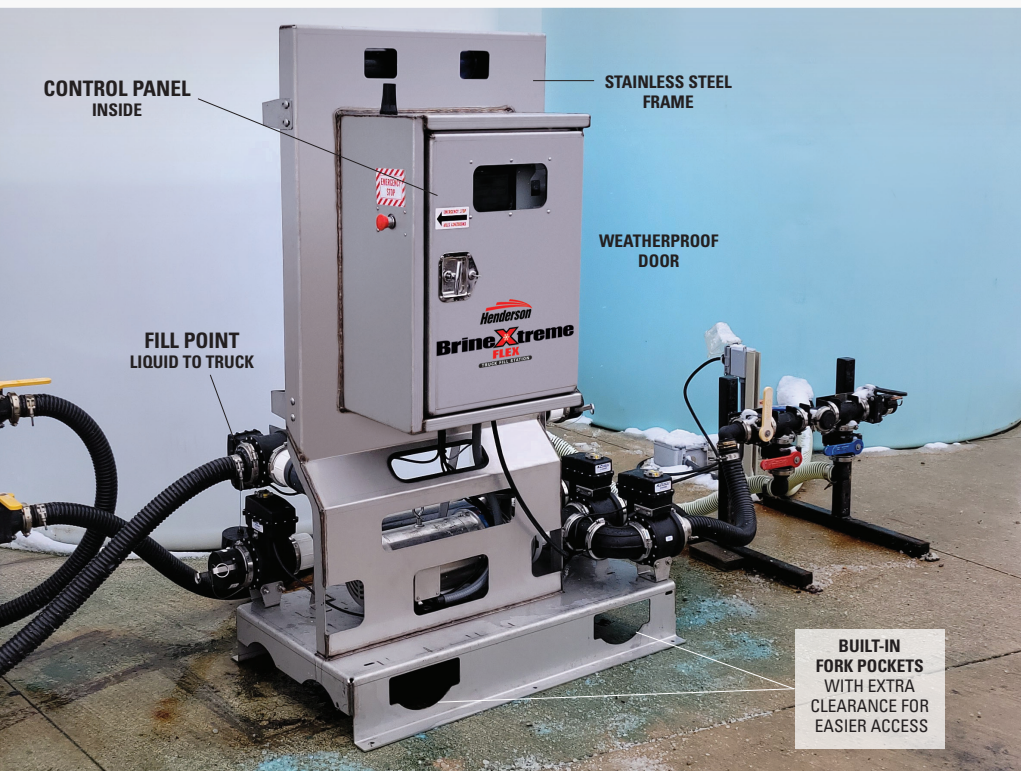


HP-098 2.5M 10/15



BrineXtreme[®] FLEX

PROFESSIONAL GRADE SALT BRINE TRUCK FILLING STATION



The **BrineXtreme Flex** Truck Fill Station is a stand-alone or companion liquid transfer system for any brine production or storage facility. As with the original BrineXtreme Truck Fill system, the **BrineXtreme Flex** Truck Fill still provides standard features such as modular design, plug-n-play installation, data logging, remote access, and password protection.

NEW EXPANDED FEATURES

- **Variable flow rates from 20-200 GPM** which allows liquid transfer rates to match your trucks onboard dispensing system regardless of the trucks tank(s) or plumbing sizes
- **Powered off-load** to transfer liquids from the truck back to storage
- **Ability to stack blend** to the facility storage tanks at 200 GPM
- **Agitation**
- **Standard 2-product stack capability** with an expandable option for 4 products
- **New stainless steel closed coupled washdown motor** to enhance longevity and removes the need for motor shimming
- **An expanded user ID logging** to allow for more truck users

SPECIFICATIONS

DIMENSIONS: 55"W x 71"H x 35"D

SHIPPING WEIGHT: 750 lb.

FRAME CONSTRUCTION: stainless steel

MOTOR: 5 hp, 208/240v 3 phase, 55 washdown motor

PUMP: cast stainless pedestal design

VALVES: electric, IP68

FILL RATE: Variable 20 - 200 gpm

FLOW METER: solid state magmeter

CABINET: IP66 control panel cabinet inside stainless steel cabinet with window

INPUT: LCD touch screen

CONNECTIONS: 3" cam lock

UL LISTED: yes

MODULAR DESIGN

A free standing truck fill station. Installs outdoors, near your liquid tanks and offers 24/7 accessibility.

PLUG-N-PLAY INSTALLATION

Fast and easy installation. Control panel setup is accomplished within minutes.

VARIABLE FLOW

20 - 200 GPM

BLEND/STACKING

Combines up to 2 or 4 products. Brings automated stacking capabilities to BrineXtreme Pro controls.

MULTIPLE USERS

Through the use of unique PIN numbers, you can have up to as many as 100 different users or accounts.

DATA LOGGING

Records output: volume and mixture details into an easy to read .CSV file format.

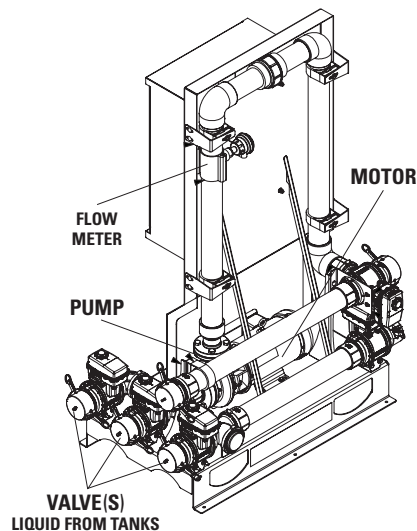
Data can be collected via LAN or USB.

REMOTE ACCESS

Provides system manager with access to data and controls via LAN, WiFi or the optional cellular gateway.

SECURE DATA

Password protection keeps your data safe and secure.



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Toll Free: (800) 359-4970
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CONTRACT: PS22170



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04/23