



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Solicitation

NUMBER
6613C013

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
ALAN CUMMINGS 304-558-2402

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE
 BAKER TRUCK EQUIPMENT CO.
 PO BOX 482
 HURRICANE WV 25526

SHIP TO

DIVISION OF HIGHWAYS
 VARIOUS LOCALES AS INDICATED
 BY ORDER

DATE PRINTED
10/29/2012

BID OPENING DATE: 11/21/2012 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001				160-12	SEE PAGE 35 & 35A	SEE PAGE 35 & 35A
BRINE MAKER SYSTEMS						
OPEN-END CONTRACT						
THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF HIGHWAYS, IS SOLICITING BIDS TO PROVIDE THE AGENCY WITH AN OPEN-END CONTRACT FOR VARIOUS SIZE BRINE MAKER SYSTEMS PER THE ATTACHED SPECIFICATIONS.						
***** THIS IS THE END OF RFQ 6613C013 ***** TOTAL: SEE PAGE 35 & 35A						
12/12/12 12:13:32 PM West Virginia Purchasing Division						

SIGNATURE <i>[Signature]</i>	TELEPHONE 304-722-3814	DATE 12/11/2012
TITLE SALESMAN	FEIN 55-0711783	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. **REVIEW DOCUMENTS THOROUGHLY:** The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.
2. **MANDATORY TERMS:** The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.
3. **PREBID MEETING:** The item identified below shall apply to this Solicitation.

| A pre-bid meeting will not be held prior to bid opening.

| A NON-MANDATORY PRE-BID meeting will be held at the following place and time:

| A MANDATORY PRE-BID meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one person attending the pre-bid meeting may represent more than one Vendor.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. The State will not accept any other form of proof or documentation to verify attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing. Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required

information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

- 4. **VENDOR QUESTION DEADLINE:** Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are non-binding.

Question Submission Deadline: 11/19/2012

Submit Questions to:

Alan Cummings
 2019 Washington Street, East
 P.O. Box 50130
 Charleston, WV 25305
 Fax: 304-558-3970
 Email: Alan.W.Cummings@WV.Gov

- 5. **VERBAL COMMUNICATION:** Any verbal communication between the Vendor and any State personnel is not binding, including that made at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

- 6. **BID SUBMISSION:** All bids must be signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The bid delivery address is:

Department of Administration, Purchasing Division
 2019 Washington Street East
 P.O. Box 50130,
 Charleston, WV 25305-0130

The bid should contain the information listed below on the face of the envelope or the bid may not be considered:

SEALED BID

BUYER: ALAN CUMMINGS

SOLICITATION NO.: 6613C013

BID OPENING DATE: 12/12/2012

BID OPENING TIME: 1:30PM

FAX NUMBER: 304-722-3829

In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: Technical
 Cost

7. **BID OPENING:** Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when time stamped by the official Purchasing Division time clock.

Bid Opening Date and Time:

11/21/2012 - 1:30 P.M.

Bid Opening Location:

Department of Administration, Purchasing Division
 2019 Washington Street East
 P.O. Box 50130,
 Charleston, WV 25305-0130

8. **ADDENDUM ACKNOWLEDGEMENT:** Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.
9. **BID FORMATTING:** Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

GENERAL TERMS AND CONDITIONS:

1. **CONTRACTUAL AGREEMENT:** Issuance of a Purchase Order signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. **DEFINITIONS:** As used in this Solicitation / Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation / Contract.
 - 2.1 "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

 - 2.2 "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods and services requested in the Solicitation.

 - 2.3 "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

 - 2.4 "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

 - 2.5 "Purchase Order" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the successful bidder and Contract holder.

 - 2.6 "Solicitation" means the official solicitation published by the Purchasing Division and identified by number on the first page thereof.

 - 2.7 "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

 - 2.8 "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. **CONTRACT TERM; RENEWAL; EXTENSION:** The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

Term Contract

Initial Contract Term: This Contract becomes effective on

 and extends for a period of year(s).

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal must be submitted to the Purchasing Division Director thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Renewal of this Contract is limited to successive one (1) year periods. Automatic renewal of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases. Attorney General approval may be required for vendor terms and conditions.

Reasonable Time Extension: At the sole discretion of the Purchasing Division Director, and with approval from the Attorney General's office (Attorney General approval is as to form only), this Contract may be extended for a reasonable time after the initial Contract term or after any renewal term as may be necessary to obtain a new contract or renew this Contract. Any reasonable time extension shall not exceed twelve (12) months. Vendor may avoid a reasonable time extension by providing the Purchasing Division Director with written notice of Vendor's desire to terminate this Contract 30 days prior to the expiration of the then current term. During any reasonable time extension period, the Vendor may terminate this Contract for any reason upon giving the Purchasing Division Director 30 days written notice. Automatic extension of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases, but Attorney General approval may be required.

- Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within days.
- One Time Purchase:** The term of this Contract shall run for one year from the date the Purchase Order is issued or from the date the Purchase Order is issued until all of the goods contracted for have been delivered, whichever is shorter.
- Other:** See attached.

4. **NOTICE TO PROCEED:** Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Purchase Order will be considered notice to proceed
5. **QUANTITIES:** The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.
- Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.
 - Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.
 - Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.
 - One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.
6. **PRICING:** The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification.
7. **EMERGENCY PURCHASES:** The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.
8. **REQUIRED DOCUMENTS:** All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.
- BID BOND:** All Vendors shall furnish a bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

[] | **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of []. The performance bond must be issued and received by the Purchasing Division prior to Contract award. On construction contracts, the performance bond must be 100% of the Contract value.

[] | **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be issued and delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable.

[] | **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

[] | **WORKERS' COMPENSATION INSURANCE:** The apparent successful Vendor shall have appropriate workers' compensation insurance and shall provide proof thereof upon request.

[] | **INSURANCE:** The apparent successful Vendor shall furnish proof of the following insurance prior to Contract award:

[] | **Commercial General Liability Insurance:**
[] or more.

[] | **Builders Risk Insurance:** builders risk – all risk insurance in an amount equal to 100% of the amount of the Contract.

[] | []

[] | []

[] | []

[] | []

[] | []

The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed above.

LICENSE(S) / CERTIFICATIONS / PERMITS: In addition to anything required under the Section entitled Licensing, of the General Terms and Conditions, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

[]	
[]	
[]	
[]	

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

9. LITIGATION BOND: The Director reserves the right to require any Vendor that files a protest of an award to submit a litigation bond in the amount equal to one percent of the lowest bid submitted or \$5,000, whichever is greater. The entire amount of the bond shall be forfeited if the hearing officer determines that the protest was filed for frivolous or improper purpose, including but not limited to, the purpose of harassing, causing unnecessary delay, or needless expense for the Agency. All litigation bonds shall be made payable to the Purchasing Division. In lieu of a bond, the protester may submit a cashier's check or certified check payable to the Purchasing Division. Cashier's or certified checks will be deposited with and held by the State Treasurer's office. If it is determined that the protest has not been filed for frivolous or improper purpose, the bond or deposit shall be returned in its entirety.

10. ALTERNATES: Any model, brand, or specification listed herein establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or

other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. LIQUIDATED DAMAGES: Vendor shall pay liquidated damages in the amount

for .

This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.

13. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part. Vendor's signature on its bid signifies acceptance of the terms and conditions contained in the Solicitation and Vendor agrees to be bound by the terms of the Contract, as reflected in the Purchase Order, upon receipt.

14. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee if applicable.

15. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

16. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

17. PAYMENT: Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears, to the Agency at the address on the face of the purchase order labeled "Invoice To."

18. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

19. DELIVERY: All quotations are considered freight on board destination ("F.O.B. destination") unless alternate shipping terms are clearly identified in the bid. Vendor's listing of shipping terms that contradict the shipping terms expressly required by this Solicitation may result in bid disqualification.

20. INTEREST: Interest attributable to late payment will only be permitted if authorized by the West Virginia Code. Presently, there is no provision in the law for interest on late payments.

21. PREFERENCE: Vendor Preference may only be granted upon written request and only in accordance with the West Virginia Code § 5A-3-37 and the West Virginia Code of State Rules. A Resident Vendor Certification form has been attached hereto to allow Vendor to apply for the preference. Vendor's

failure to submit the Resident Vendor Certification form with its bid will result in denial of Vendor Preference. Vendor Preference does not apply to construction projects.

22. **SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:** For any solicitations publicly advertised for bid on or after July 1, 2012, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to submission of its bid to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.
23. **TAXES:** The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
24. **CANCELLATION:** The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-7.16.2.
25. **WAIVER OF MINOR IRREGULARITIES:** The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.
26. **TIME:** Time is of the essence with regard to all matters of time and performance in this Contract.
27. **APPLICABLE LAW:** This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.
28. **COMPLIANCE:** Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendors acknowledge that they have reviewed, understand, and will comply with all applicable law.
29. **PREVAILING WAGE:** On any contract for the construction of a public improvement, Vendor and any subcontractors utilized by Vendor shall pay a rate or rates of wages which shall not be less than the fair minimum rate or rates of wages (prevailing wage), as established by the West Virginia Division of Labor under West Virginia Code §§ 21-5A-1 et seq. and available at <http://www.sos.wv.gov/administrative-law/wagerates/Pages/default.aspx>. Vendor shall be responsible for ensuring compliance with prevailing wage requirements and determining when prevailing wage

requirements are applicable. The required contract provisions contained in West Virginia Code of State Rules § 42-7-3 are specifically incorporated herein by reference.

30. **ARBITRATION:** Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.
31. **MODIFICATIONS:** This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary, no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). No Change shall be implemented by the Vendor until such time as the Vendor receives an approved written change order from the Purchasing Division.
32. **WAIVER:** The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.
33. **SUBSEQUENT FORMS:** The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.
34. **ASSIGNMENT:** Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments. Notwithstanding the foregoing, Purchasing Division approval may or may not be required on certain agency delegated or exempt purchases.
35. **WARRANTY:** The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.
36. **STATE EMPLOYEES:** State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.
37. **BANKRUPTCY:** In the event the Vendor files for bankruptcy protection, the State of West Virginia may deem this Contract null and void, and terminate this Contract without notice.

38. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at <http://www.state.wv.us/admin/purchase/vrc/hipaa.html> and is hereby made part of the agreement provided that the Agency meets the definition of a Covered entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the Vendor.
39. **CONFIDENTIALITY:** The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.
40. **DISCLOSURE:** Vendor's response to the Solicitation and the resulting Contract are considered public documents and will be disclosed to the public in accordance with the laws, rules, and policies governing the West Virginia Purchasing Division. Those laws include, but are not limited to, the Freedom of Information Act found in West Virginia Code § 29B-1-1 et seq.

If a Vendor considers any part of its bid to be exempt from public disclosure, Vendor must so indicate by specifically identifying the exempt information, identifying the exemption that applies, providing a detailed justification for the exemption, segregating the exempt information from the general bid information, and submitting the exempt information as part of its bid but in a segregated and clearly identifiable format. Failure to comply with the foregoing requirements will result in public disclosure of the Vendor's bid without further notice. A Vendor's act of marking all or nearly all of its bid as exempt is not sufficient to avoid disclosure and WILL NOT BE HONORED. Vendor's act of marking a bid or any part thereof as "confidential" or "proprietary" is not sufficient to avoid disclosure and WILL NOT BE HONORED. In addition, a legend or other statement indicating that all or substantially all of the bid is exempt from disclosure is not sufficient to avoid disclosure and WILL NOT BE HONORED. Vendor will be required to defend any claimed exemption for nondisclosure in the event of an administrative or judicial challenge to the State's nondisclosure. Vendor must indemnify the State for any costs incurred related to any exemptions claimed by Vendor. Any questions regarding the applicability of the various public records laws should be addressed to your own legal counsel prior to bid submission.

41. **LICENSING:** In accordance with West Virginia Code of State Rules §148-1-6.1.7, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

42. **ANTITRUST:** In submitting a bid to, signing a contract with, or accepting a Purchase Order from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.
43. **VENDOR CERTIFICATIONS:** By signing its bid or entering into this Contract, Vendor certifies (1) that its bid was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid for the same material, supplies, equipment or services; (2) that its bid is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this RFQ in its entirety; understands the requirements, terms and conditions, and other information contained herein. Vendor's signature on its bid also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency.

The individual signing this bid on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

44. **PURCHASING CARD ACCEPTANCE:** The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card for payment of all orders under this Contract unless the box below is checked.

Vendor is not required to accept the State of West Virginia's Purchasing Card as payment for all goods and services.

45. **VENDOR RELATIONSHIP:** The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, *etc.* and the filing of all necessary documents, forms and returns pertinent to all of the foregoing. Vendor shall hold harmless the

State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

- 46. INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.
- 47. PURCHASING AFFIDAVIT:** In accordance with West Virginia Code § 5A-3-10a, all Vendors are required to sign, notarize, and submit the Purchasing Affidavit stating that neither the Vendor nor a related party owe a debt to the State in excess of \$1,000. The affidavit must be submitted prior to award, but should be submitted with the Vendor's bid. A copy of the Purchasing Affidavit is included herewith.
- 48. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE:** This Contract may be utilized by and extends to other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"). This Contract shall be extended to the aforementioned Other Government Entities on the same prices, terms, and conditions as those offered and agreed to in this Contract. If the Vendor does not wish to extend the prices, terms, and conditions of its bid and subsequent contract to the Other Government Entities, the Vendor must clearly indicate such refusal in its bid. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.
- 49. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire any interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.
- 50. REPORTS:** Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:
- [] Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

- [] Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.requisitions@wv.gov.

51. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision.

The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

52. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process.

The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:

- a. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total

contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or

- b. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

53. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products.

This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

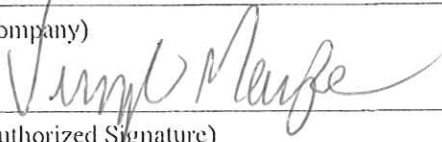
All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

BAKER TRUCK EQUIPMENT CO.

(Company)



(Authorized Signature)

VIRGIL MAYSE - SALESMAN

(Representative Name, Title)

304-722-3814

(Phone Number)

304-722-3829

(Fax Number)

12/11/2012

(Date)

ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: 6613C013

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

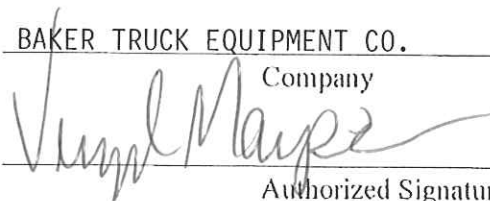
(Check the box next to each addendum received)

<input checked="" type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input checked="" type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input type="checkbox"/> Addendum No. 3	<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 4	<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

BAKER TRUCK EQUIPMENT CO.

Company



Authorized Signature

12/11/2012

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

REQUEST FOR QUOTATION
6613C013 Various Sizes Automatic Brine Makers

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Division of Highways and any other state agency that desires to utilize this contract to establish an open-end contract for Various Sizes of Automatic Brine Makers. The Contract may be utilized by West Virginia State agencies and all political subdivisions of the State of in all 55 counties.

The intent of this request is to provide for the purchase and installation for any of three various sizes of new and unused automatic brine makers which shall be capable of producing brine, without the intervention of an operator after the initial system start and automatically monitor and control brine concentration during production.

2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.
- 2.1 **“Desired Item” or “Desired Items”** means the list of items identified in Section 3, subsection 3.3.
- 2.2 **“Pricing Pages”** means the schedule of prices, estimated order quantity, and totals attached hereto as Exhibit A and used to evaluate the RFQ.
- 2.3 **“RFQ”** means the official RFQ published by the Purchasing Division and identified as 6613C013.
- 2.4 **“WVDOH”** used throughout this RFQ means the West Virginia Division of Highways.
- 2.5 **“Contractor” or “Vendor”** used throughout this RFQ and in any cited sections of the West Virginia Department of Transportation, Division of Highways Standard Specifications, Roads and Bridges, adopted 2010, as modified by the January 1, 2011 Supplemental Specifications and the January 1, 2012 Supplemental Specifications are interchangeable.
3. **GENERAL REQUIREMENTS:**
- 3.1 **Desired Items and Mandatory Requirements:** Vendor shall provide Agency the Desired Items listed below on an open-end and continuing basis. Desired Items must meet or exceed the mandatory requirements as shown below.

REQUEST FOR QUOTATION
6613C013 Various Sizes Automatic Brine Makers

3.2 **Pre-Service:** The WVDOH may or may not provide a heated room for placement of the automatic brine maker; however, whether the brine maker itself is located in a heated room or not, the control system will be located in a heated room. This will be determined by the WVDOH once the need arises to purchase an automatic brine maker. The location and size of the heated room will be provided to the vendor on the Agency Release.

Whether inside a heated room or not, the vendor shall install the automatic brine maker by hooking up all lines and plumbing, preparing the unit for immediate use. The automatic brine maker shall be completely serviced, all equipment installed and all adjustments made which are required to prepare the unit ready for immediate and continuous use upon delivery.

The WVDOH will provide electrical and water service to the placement area of the automatic brine maker. If a heated room is used, all electrical and plumbing inside the heated room to the automatic brine maker shall be provided by the vendor and included in the vendor's bid cost.

3.3 **Items:** Listed below are three brine makers being pursued with this RFQ:

- 3.3.1 An Automatic Brine Maker with Remote Truck Fill Capabilities
- 3.3.2 An Automatic Brine Maker with Remote Truck Fill Capabilities including One Additive Blending Capability
- 3.3.3 An Automatic Brine Maker with Remote Truck Fill Capabilities including Two Additive Blending Capability

4. **EQUIPMENT REQUIREMENTS:**

4.1 **An Automatic Brine Maker with Remote Truck Fill Capabilities** shall make the salt act as a filter bed as the water moves down through to the sump area and filter screen. The automatic brine production system shall be capable of producing 5,000 gallons of brine per hour (based on available water supply of 6,000 gallon/hour and storage tank configuration static discharge of 45 ft./head pressure). The system shall be capable of remotely filling trucks with brine and the truck fill data recorded via RFID card reader system.

4.1.1 List of <u>Minimum</u> Requirements for the Salt Hopper:
The salt hopper shall have a minimum capacity of 5 cubic yards.
The salt hopper shall hold a minimum .75 cubic yards of sediment without interfering with the brine outlet.
The minimum inside dumping width shall be no less than 120 inches.
The salt hopper shall be constructed of 16,000 pound tensile strength fiberglass and isophthalic resin with all inside surfaces coated with a

REQUEST FOR QUOTATION
6613C013 Various Sizes Automatic Brine Makers

ceramic resin .050 inches thick.
The vessel shall have structural integral ribs allowing minimal flex with the salt hopper from full to empty.
The salt hopper shall be capable of being cleaned via flush components of the unit and any disassembly of components for cleaning is not acceptable.
Whether full or empty, the salt hopper shall be able to be cleaned by a process of opening the sump outlet cap and water flush valves. If the salt hopper is empty, the inside floor panel should have the capability of being removed for cleaning by attached lifting straps or some other form of easily removing the inside floor panel.
There shall be a fresh water flushing system to force sediment to and out of the sump.
All valves, bulkhead fittings, etc. 1 inch and larger shall be manifold type fittings.
There shall be a pressure transducer connected to the PLC to activate brine pump on and off and water flow into the salt tank. These levels shall be adjustable from the HMI Interface and be adjustable to within 1 inch increments.
The transducer shall have an air capillary to the inside of the salt hopper.
The vessel shall have 2 inch male cam-lock type fittings and on/off ball valves for hose connections (fresh water, brine return, brine outlet to pump).
There shall be reinforced forklift pockets for moving the salt tank.
304 stainless steel is required for all metallic items as it is the most corrosion resistant of the 300 series of stainless steel. http://www.ccsi-inc.com/t-stainless.htm .

4.1.2 List of <u>Minimum</u> Requirements for the Control System:
Brine pumped from the salt tank shall be monitored for salt concentration by a sensor which shall monitor the brine for temperature and automatically compensate brine concentration accordingly. Any need for an operator to manually test the brine concentration is not acceptable.
All brine exiting the salt tank shall pass over the brine concentration sensor that monitors brine between 19.6 and 27.0 percent concentration by weight.
The system shall come complete with the ability to access the HMI (operator interface) via Internet.
The system shall include a 256-color LCD touch screen display, 7 ½ diagonal.
The information on the display screen shall include, but not be limited to: 1) actual brine production concentration in the form of percentage

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of sodium chloride concentration by weight.
2) gallons of fresh water used to make brine.
If the brine concentration is above the target, the brine shall be returned to the salt tank until the correct amount of water is automatically added and the brine reaches the desired concentration.
Once the brine is at the desired concentration (+or-3% of target concentration), the brine will be diverted to storage tanks.
In the event that the concentration is below the minimum desired concentration, the system shall automatically divert the brine to the salt tank for a second pass through the salt bed to achieve the desired concentration.
The system shall be configured to accept a signal from a pressure transducer located in a storage tank to automatically stop brine production when the tank is full or when production batch is complete.
The system shall be capable of displaying the storage tank volume.
The system shall monitor total gallons of water used, salt used and brine produced daily and seasonally for record keeping.
All electric valves shall include manual overrides for operation of the system in the event of an electrical component failure.
In the event of a component failure, the system shall automatically shut down and inform the operator of the specific failure along with a corrective measure. This includes how to manually override the problem and provide a part number.
The system shall be designed with a manual valve counterpart to the electric valve to run parallel for a redundant manual control system.
Electric components mounted onto the control panel shall have UL rated conduit protecting connections and wiring outside of the enclosure.
Individual components over 10 amps shall have circuit breakers so if the machine is not working, the operator may quickly assess by checking the breaker and if tripped, flip the breaker and be back in brine production. This will also provide more protection in the water environment. Components less than 10 amps shall be fuse protected from inside of the control panel. Fuses shall illuminate when diagnostic LED detects fuse fault.
All wetted parts on the control panel except for the pump shall be manifold type glass filled polypropylene rated for 150 psi.

4.1.3 List of Minimum Requirements for the Mechanical Components:

The pump shall be constructed of cast 304 stainless steel with a stainless steel shaft and impeller. 304 stainless steel is required as it is the most corrosion resistant of the 300 series of stainless steel. <http://www.ccsi-inc.com/t-stainless.htm>.

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The electric pump motor shall be thermally protected 3 HP 220 volt single phase.
The pump shall be capable of delivery 5,000 gallons per hour of salt brine to storage tanks with a dynamic head of 45 feet.
All fittings and valves shall be manifold type glass filled polypropylene.
Wetted steel components shall be kept to a minimum; all steel components shall be constructed of 304 grade stainless steel. 304 stainless steel is required as it is the most corrosion resistant of the 300 series of stainless steel. http://www.ccsi-inc.com/t-stainless.htm .
All exposed electric components shall be rated at NEMA 12X.
All fasteners shall be constructed of stainless steel.

- 4.2 **An Automatic Brine Maker with Remote Truck Fill Capabilities including One Additive Blending Capability** shall make the salt act as a filter bed as the water moves down through to the sump area and filter screen. The automatic brine production system shall be capable of producing 5,000 gallons of brine per hour (based on available water supply of 6,000 gallon/hour and storage tank configuration static discharge of 45 ft./head pressure); flushing out all sediment collected in the bottom of the vessel with salt level full in the tank; producing a blended product by injecting one additive with a ratio between 1 and 100%. The system shall be capable of remotely filling trucks with brine, blend or additive liquids and recording truck fill data via RFID card reader system.

4.2.1 List of <u>Minimum</u> Requirements for the Salt Hopper:
The salt hopper shall have a minimum capacity of 5 cubic yards.
The salt hopper shall hold a minimum .75 cubic yards of sediment without interfering with the brine outlet.
The minimum inside dumping width shall be no less than 120 inches.
The salt hopper shall be constructed of 16,000 pound tensile strength fiberglass and isophthalic resin with all inside surfaces coated with a ceramic resin .050 inches thick.
The vessel shall have structural integral ribs allowing minimal flex with the salt hopper from full to empty.
The salt hopper shall be capable of being cleaned via flush components of the unit and any disassembly of components for cleaning is not acceptable.
Whether full or empty, the salt hopper shall be able to be cleaned by a process of opening the sump outlet cap and water flush valves. If the salt hopper is empty, the inside floor panel should have the capability of being removed for cleaning by attached lifting straps or some other form of easily removing the inside floor panel.
There shall be a fresh water flushing system to force sediment to and out of the sump.

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All valves, bulkhead fittings, etc. 1 inch and larger shall be manifold type fittings.
There shall be a pressure transducer connected to the PLC to activate brine pump on and off and water flow into the salt tank. These levels shall be adjustable from the HMI Interface and be adjustable to within 1 inch increments.
The transducer shall have an air capillary to the inside of the salt hopper.
The vessel shall have 2 inch male cam-lock type fittings and on/off ball valves for hose connections (fresh water, brine return, brine outlet to pump).
There shall be reinforced forklift pockets for moving the salt tank.
304 stainless steel is required for all metallic items as it is the most corrosion resistant of the 300 series of stainless steel. http://www.ccsi-inc.com/t-stainless.htm .

4.2.2 List of <u>Minimum</u> Requirements for the Control System:
Brine pumped from the salt tank shall be monitored for salt concentration by a sensor which shall monitor the brine for temperature and automatically compensate brine concentration accordingly. Any need for an operator to manually test the brine concentration is not acceptable.
All brine exiting the salt tank shall pass over the brine concentration sensor that monitors brine between 19.6 and 27.0 percent concentration by weight.
The system shall come complete with the ability to access the HMI (operator interface) via Internet.
The system shall include a 256-color LCD touch screen display, 7 ½ diagonal.
The information on the display screen shall include, but not be limited to: 1) actual brine production concentration in the form of percentage of sodium chloride concentration by weight. 2) gallons of fresh water used to make brine.
If the brine concentration is above the target, the brine shall be returned to the salt tank until the correct amount of water is automatically added and the brine reaches the desired concentration.
Once the brine is at the desired concentration (+or-3% of target concentration), the brine will be diverted to storage tanks.
In the event that the concentration is below the minimum desired concentration, the system shall automatically divert the brine to the salt tank for a second pass through the salt bed to achieve the desired concentration.
The system shall be configured to accept a signal from a pressure transducer located in a storage tank to automatically stop brine production when the tank is full or when production batch is complete.

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The system shall be capable of displaying the storage tank volume.
The system shall monitor total gallons of water used, salt used and brine produced daily and seasonally for record keeping.
All electric valves shall include manual overrides for operation of the system in the event of an electrical component failure.
In the event of a component failure, the system shall automatically shut down and inform the operator of the specific failure along with a corrective measure. This includes how to manually override the problem and provide a part number.
The system shall be designed with a manual valve counterpart to the electric valve to run parallel for a redundant manual control system.
Electric components mounted onto the control panel shall have UL rated conduit protecting connections and wiring outside of the enclosure.
Individual components over 10 amps shall have circuit breakers so if the machine is not working, the operator may quickly assess by checking the breaker and if tripped, flip the breaker and be back in brine production. This will also provide more protection in the water environment. Components less than 10 amps shall be fuse protected from inside of the control panel. Fuses shall illuminate when diagnostic LED detects fuse fault.
All wetted parts on the control panel except for the pump shall be manifold type glass filled polypropylene rated for 150 psi.

4.2.3 List of Minimum Requirements for the Mechanical Components:

The pump shall be constructed of cast 304 stainless steel with a stainless steel shaft and impeller. 304 stainless steel is required as it is the most corrosion resistant of the 300 series of stainless steel. http://www.ccsi-inc.com/t-stainless.htm .
The electric pump motor shall be thermally protected 3 HP 220 volt single phase.
The pump shall be capable of delivery 5,000 gallons per hour of salt brine to storage tanks with a dynamic head of 45 feet.
All fittings and valves shall be manifold type glass filled polypropylene.
Wetted steel components shall be kept to a minimum; all steel components shall be constructed of 304 grade stainless steel. 304 stainless steel is required as it is the most corrosion resistant of the 300 series of stainless steel. http://www.ccsi-inc.com/t-stainless.htm .
All exposed electric components shall be rated at NEMA 12X.
All fasteners shall be constructed of stainless steel.

4.2.4 List of Minimum Requirements for the Single Additive Injection System:

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The control system shall be capable of automatically injecting a pre-determined ratio of brine and a single additive into the finished product tank (0 to 100%).
There shall be an additive storage tank volume sensor to determine if enough additive is available to produce desired volume ratio batch.
There shall be a blended product storage tank volume sensor to determine if enough volume is available to produce desired batch/ratio of blended product.
Tank volume sensors shall be solid state.
There shall be actuated valves to divert brine or additive into the processing pump, with manual override valves mounted onto an expandable modular panel.
Processing shall be graphically displayed on to HMI (operator display).
Process shall be fully automated with self-diagnostics.
The sub-panel shall come equipped with one additional modular plumbing module for recirculation of additive storage tank.
Modules shall include electric ball valve, manual override valve and electric circuitry.
Modules shall be mounted onto the stainless steel modular panel.
Electric valves shall be controlled via the automation process where the operator may select a desired "on" and "off" time for desired recirculation intervals.
The control system shall be capable of automatically injecting a predetermined ratio of a micro ingredient into the finished product tank or truck fill, if equipped.
The system shall include a diaphragm pump and automation controls to inject a predetermined ratio of micro ingredient between a ratio of 1:1,000 and 1:10,000 units. Set up shall be configured via the operator display.

- 4.3 **An Automatic Brine Maker with Remote Truck Fill Capabilities including Two Additive Blending Capability** shall make the salt act as a filter bed as the water moves down through to the sump area and filter screen. The automatic brine production system shall be capable of producing 5,000 gallons of brine per hour (based on available water supply of 6,000 gallon/hour and storage tank configuration static discharge of 45 ft./head pressure); flushing out all sediment collected in the bottom of the vessel with salt level full in the tank; producing a blended product by injecting two additives with a ratio between 1 and 100%. The system shall be capable of remotely filling trucks with brine, blend or additive liquids and recording truck fill data via RFID card reader system.

4.3.1 List of <u>Minimum</u> Requirements for the Salt Hopper:
The salt hopper shall have a minimum capacity of 5 cubic yards.

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The salt hopper shall hold a minimum .75 cubic yards of sediment without interfering with the brine outlet.
The minimum inside dumping width shall be no less than 120 inches.
The salt hopper shall be constructed of 16,000 pound tensile strength fiberglass and isophthalic resin with all inside surfaces coated with a ceramic resin .050 inches thick.
The vessel shall have structural integral ribs allowing minimal flex with the salt hopper from full to empty.
The salt hopper shall be capable of being cleaned via flush components of the unit and any disassembly of components for cleaning is not acceptable.
Whether full or empty, the salt hopper shall be able to be cleaned by a process of opening the sump outlet cap and water flush valves. If the salt hopper is empty, the inside floor panel should have the capability of being removed for cleaning by attached lifting straps or some other form of easily removing the inside floor panel.
There shall be a fresh water flushing system to force sediment to and out of the sump.
All valves, bulkhead fittings, etc. 1 inch and larger shall be manifold type fittings.
There shall be a pressure transducer connected to the PLC to activate brine pump on and off and water flow into the salt tank. These levels shall be adjustable from the HMI Interface and be adjustable to within 1 inch increments.
The transducer shall have an air capillary to the inside of the salt hopper.
The vessel shall have 2 inch male cam-lock type fittings and on/off ball valves for hose connections (fresh water, brine return, brine outlet to pump).
There shall be reinforced forklift pockets for moving the salt tank.
304 stainless steel is required for all metallic items as it is the most corrosion resistant of the 300 series of stainless steel. http://www.ccsi-inc.com/t-stainless.htm .

4.3.2 List of <u>Minimum</u> Requirements for the Control System:
Brine pumped from the salt tank shall be monitored for salt concentration by a sensor which shall monitor the brine for temperature and automatically compensate brine concentration accordingly. Any need for an operator to manually test the brine concentration is not acceptable.
All brine exiting the salt tank shall pass over the brine concentration sensor that monitors brine between 19.6 and 27.0 percent concentration by weight.
The system shall come complete with the ability to access the HMI (operator interface) via Internet.

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The system shall include a 256-color LCD touch screen display, 7 ½ diagonal.
The information on the display screen shall include, but not be limited to: 1) actual brine production concentration in the form of percentage of sodium chloride concentration by weight. 2) gallons of fresh water used to make brine.
If the brine concentration is above the target, the brine shall be returned to the salt tank until the correct amount of water is automatically added and the brine reaches the desired concentration.
Once the brine is at the desired concentration (+or-3% of target concentration), the brine will be diverted to storage tanks.
In the event that the concentration is below the minimum desired concentration, the system shall automatically divert the brine to the salt tank for a second pass through the salt bed to achieve the desired concentration.
The system shall be configured to accept a signal from a pressure transducer located in a storage tank to automatically stop brine production when the tank is full or when production batch is complete.
The system shall be capable of displaying the storage tank volume.
The system shall monitor total gallons of water used, salt used and brine produced daily and seasonally for record keeping.
All electric valves shall include manual overrides for operation of the system in the event of an electrical component failure.
In the event of a component failure, the system shall automatically shut down and inform the operator of the specific failure along with a corrective measure. This includes how to manually override the problem and provide a part number.
The system shall be designed with a manual valve counterpart to the electric valve to run parallel for a redundant manual control system.
Electric components mounted onto the control panel shall have UL rated conduit protecting connections and wiring outside of the enclosure.
Individual components over 10 amps shall have circuit breakers so if the machine is not working, the operator may quickly assess by checking the breaker and if tripped, flip the breaker and be back in brine production. This will also provide more protection in the water environment. Components less than 10 amps shall be fuse protected from inside of the control panel. Fuses shall illuminate when diagnostic LED detects fuse fault.
All wetted parts on the control panel except for the pump shall be manifold type glass filled polypropylene rated for 150 psi.

4.3.3 List of Minimum Requirements for the Mechanical Components:

REQUEST FOR QUOTATION
6613C013 Various Sizes Automatic Brine Makers

The pump shall be constructed of cast 304 stainless steel with a stainless steel shaft and impeller. 304 stainless steel is required as it is the most corrosion resistant of the 300 series of stainless steel. http://www.ccsi-inc.com/t-stainless.htm .
The electric pump motor shall be thermally protected 3 HP 220 volt single phase.
The pump shall be capable of delivery 5,000 gallons per hour of salt brine to storage tanks with a dynamic head of 45 feet.
All fittings and valves shall be manifold type glass filled polypropylene.
Wetted steel components shall be kept to a minimum; all steel components shall be constructed of 304 grade stainless steel. 304 stainless steel is required as it is the most corrosion resistant of the 300 series of stainless steel. http://www.ccsi-inc.com/t-stainless.htm .
All exposed electric components shall be rated at NEMA 12X.
All fasteners shall be constructed of stainless steel.

4.3.4 List of Minimum Requirements for the Two Additives Injection System:

The control system shall be capable of automatically injecting a pre-determined ratio of brine and two additives into the finished product tank (0 to 100%).
There shall be two additive storage tank volume sensors to determine if enough volume of each additive is available to produce desired volume ratio batch.
There shall be a blended product storage tank volume sensor to determine if enough volume is available to produce desired batch/ratio of blended product.
Tank volume sensors shall be solid state.
There shall be actuated valves to divert brine or additives into the processing pump, with manual override valves mounted onto an expandable modular panel.
Processing shall be graphically displayed on to HMI (operator display).
Process shall be fully automated with self-diagnostics.
The sub-panel shall come equipped with two additional modular plumbing modules for recirculation of two additive storage tanks.
Modules shall include electric ball valve, manual override valve and electric circuitry.
Modules shall be mounted onto the stainless steel modular panel.
Electric valves shall be controlled via the automation process where the operator may select a desired "on" and "off" time for desired recirculation intervals.
The control system shall be capable of automatically injecting a

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predetermined ratio of a micro ingredient into the finished product tank or truck fill, if equipped.
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The system shall include a diaphragm pump and automation controls to inject a predetermined ratio of micro ingredient between a ratio of 1:1,000 and 1:10,000 units. Set up shall be configured via the operator display.

5. **BID INSTRUCTIONS AND AWARD:**

- 5.1 **Bid Instructions:** Vendors may bid any or all items on Exhibit A, Pricing Schedule. Bidding price shall be one price per District, FOB job site per county.

The Pricing Schedule contains a list of three automatic brine makers as described in Sections 3.3 and Section 4. The actual number of units to be ordered during the term of this contract, per District or Statewide is unknown at this time. Vendors are strongly cautioned that there may or may not be a need for any of the three automatic brine makers on the RFQ during the term of this contract.

Notwithstanding the foregoing, the Purchasing Division may correct errors at its discretion. Vendor should type or electronically enter the information into the Pricing Pages to prevent errors in the evaluation. The Pricing Pages were created as a Microsoft Excel document and Vendor can request an electronic copy for bid purposes by sending an email request to the following address:
alan.w.cummings@wv.gov.

- 5.2 **Award:** The contract is intended to provide Agencies with a purchase price on all Desired Items. The contract shall be awarded to the vendor that provides the Desired Items meeting the required specifications for the lowest cost per item per District as shown on the Pricing Pages.

An Agency Release will be issued to the awarded vendor at the time of need. The Agency Release will advise the awarded vendor of the job site.

6. **ORDERING AND PAYMENT:**

- 6.1 **Ordering:** Vendor shall accept orders by regular mail, facsimile, e-mail, or any other written forms of communication. Vendor may, but is not required to, accept on-line orders through a secure internet ordering portal/website. If Vendor has the ability to accept on-line orders, it should include in its response a brief description of how Agencies may utilize the on-line ordering system. Any on-line ordering system must have the capability to restrict prices and available items to conform to the Catalog originally submitted with this RFQ. Vendor shall ensure

REQUEST FOR QUOTATION
6613C013 Various Sizes Automatic Brine Makers

that its on-line ordering system is properly secured prior to processing Agency orders on-line.

- 6.2 **Payment:** Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia. Methods of acceptable payment must include the West Virginia Purchasing Card. Payment in advance is not permitted under this Contract.

7. **DELIVERY AND RETURN:**

- 7.1 **Delivery Time:** Vendor shall deliver the automatic brine maker to the specific WVDOH District site within sixty (60) calendar days of the date of the Agency Release or an alternative delivery date that has been established between the WVDOH and the vendor. This date shall be noted on the Agency Release. Vendor shall deliver emergency orders within an established acceptable time frame after the Agency Release has been issued. Vendor shall ship all orders in accordance with the agreed schedule and shall not hold orders until a minimum delivery quantity is met. If the vendor is unable to furnish material in accordance with the agreed delivery schedule, the WVDOH District Engineer/Manager shall be advised in writing within five (5) working days of the reason for failure to conform to the delivery requirements.

The WVDOH shall provide a loader with forks, or forklift and operator to unload the brine maker at the time of delivery.

- 7.2 **Late Delivery:** The Agency placing the order under this Contract must be notified in writing within five (5) days if orders will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any Agency seeking to obtain items from a third party under this provision must first obtain approval of the Purchasing Division.

- 7.3 **Delivery Payment/Risk of Loss:** Standard order delivery shall be F.O.B. destination to the Agency's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery. The Agency will pay delivery charges on all emergency orders provided that Vendor invoices those delivery costs as a separate charge with the original freight bill attached to the invoice.
- 7.4 **Return of Unacceptable Items:** If the Agency deems the Desired Items to be unacceptable, the Desired Items shall be returned to Vendor at Vendor's expense

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6613C013 Various Sizes Automatic Brine Makers

and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.

- 7.5 **Return Due to Agency Error:** Items ordered in error by the Agency will be returned for credit within thirty (30) days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.
8. **WARRANTY:** The awarded vendor(s) shall provide to the WVDOH a copy of the manufacturer's standard warranty and service policy upon delivery of the automatic brine maker. A standard warranty of less than one (1) year is not acceptable.
9. **SERVICE MANUALS, PARTS LISTS AND TRAINING:** Two (2) copies of the parts list, service and maintenance manuals and operator's manual shall be furnished with the automatic brine maker at the time of delivery. The vendor is required to provide on-site training on operation and maintenance of each automatic brine maker purchased.
10. **MISCELLANIOUS:**
- 10.1 **No Substitutions:** Vendor shall supply only Desired Items submitted in response to the RFQ. Vendor shall not supply substitute items without Purchasing Division approval.
- 10.2 **Vendor Supply:** Vendor must carry sufficient inventory of the Desired Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Desired Items contained in its bid response.

REQUEST FOR QUOTATION
6613C013 Various Sizes Automatic Brine Makers

- 10.3 **Reports:** Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.
- 10.4 **Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract.

Exhibit A. Automatic Brine Maker #6613C013
 Pricing Schedule

Per section 5.1

The actual number or estimated number of units to be ordered is unknown.
 As the need arises, an Agency Release will be sent to the awarded vendor.
 Vendor shall bid one price per item, per District.
 Vendor submitting the lowest cost per item, per District will be awarded
 a contract for that item.

- Item 3.3.1 An Automatic Brine Maker with Remote Truck Fill Capabilities
- 3.3.2 An Automatic Brine Maker with Remote Truck Fill Capabilities including One Additive Blending Capability
- 3.3.3 An Automatic Brine Maker with Remote Truck Fill Capabilities including Two Additive Blending Capability

*PRICING IS FOR FIBERGLASS UNITS AS SPECIFIED. PLEASE SEE PAGE 35A FOR OPTION PRICING FOR STAINLESS STEEL.

		Item 3.3.1 Unit Cost	Item 3.3.2 Unit Cost	Item 3.3.3 Unit Cost
District 1	Boone County, Clay County, Kanawha County, Mason County and Putnam County	\$63,874.00	\$67,822.00	\$71,770.00
District 2	Cabell County, Lincoln County, Logan County, Mingo County and Wayne County	\$63,874.00	\$67,822.00	\$71,770.00
District 3	Calhoun County, Jackson County, Pleasants County, Ritchie County, Roane County, Wirt County and Wood County	\$63,874.00	\$67,822.00	\$71,770.00
District 4	Doddridge County, Harrison County, Marion County, Monongalia County, Preston County and Taylor County	\$63,874.00	\$67,822.00	\$71,770.00
District 5	Berkeley County, Grant County, Hampshire County, Hardy County, Jefferson County, Mineral County and Morgan County	\$63,874.00	\$67,822.00	\$71,770.00
District 6	Brooke County, Hancock County, Marshall County, Ohio County, Tyler County and Wetzel County	\$63,874.00	\$67,822.00	\$71,770.00
District 7	Barbour County, Braxton County, Gilmer County, Lewis County, Upshur County and Webster County	\$63,874.00	\$67,822.00	\$71,770.00
District 8	Pendleton County, Pocahontas County, Randolph County and Tucker County	\$63,874.00	\$67,822.00	\$71,770.00
District 9	Fayette County, Greenbrier County, Monroe County, Nicholas County and Summers County	\$63,874.00	\$67,822.00	\$71,770.00
District 10	McDowell County, Mercer County, Raleigh County and Wyoming County	\$63,874.00	\$67,822.00	\$71,770.00

***** On a separate sheet of paper, Vendors should describe, in detail, the style/model of the automatic brine maker(s) being bid. If available, please provide a brochure or some form of equipment documentation. This is for informational purposes only.

Exhibit A Automatic Brine Maker #6613C013
 Pricing Schedule

Per section 5.1
 The actual number or estimated number of units to be ordered is unknown.
 As the need arises, an Agency Release will be sent to the awarded vendor.
 Vendor shall bid one price per item, per District.
 Vendor submitting the lowest cost per item, per District will be awarded a contract for that item.

- Item 3.3.1 An Automatic Brine Maker with Remote Truck Fill Capabilities
- 3.3.2 An Automatic Brine Maker with Remote Truck Fill Capabilities including One Additive Blending Capability
- 3.3.3 An Automatic Brine Maker with Remote Truck Fill Capabilities including Two Additive Blending Capability

*THIS IS OPTION PRICING FOR STAINLESS STEEL.

		Item 3.3.1 Unit Cost	Item 3.3.2 Unit Cost	Item 3.3.3 Unit Cost
District 1	Boone County, Clay County, Kanawha County, Mason County and Putnam County	\$77,074.00	\$81,022.00	\$84,970.00
District 2	Cabell County, Lincoln County, Logan County, Mingo County and Wayne County	\$77,074.00	\$81,022.00	\$84,970.00
District 3	Calhoun County, Jackson County, Pleasants County, Ritchie County, Roane County, Wirt County and Wood County	\$77,074.00	\$81,022.00	\$84,970.00
District 4	Doddridge County, Harrison County, Marion County, Monongalia County, Preston County and Taylor County	\$77,074.00	\$81,022.00	\$84,970.00
District 5	Berkeley County, Grant County, Hampshire County, Hardy County, Jefferson County, Mineral County and Morgan County	\$77,074.00	\$81,022.00	\$84,970.00
District 6	Brooke County, Hancock County, Marshall County, Ohio County, Tyler County and Wetzel County	\$77,074.00	\$81,022.00	\$84,970.00
District 7	Barbour County, Braxton County, Gilmer County, Lewis County, Upshur County and Webster County	\$77,074.00	\$81,022.00	\$84,970.00
District 8	Pendleton County, Pocahontas County, Randolph County and Tucker County	\$77,074.00	\$81,022.00	\$84,970.00
District 9	Fayette County, Greenbrier County, Monroe County, Nicholas County and Summers County	\$77,074.00	\$81,022.00	\$84,970.00
District 10	McDowell County, Mercer County, Raleigh County and Wyoming County	\$77,074.00	\$81,022.00	\$84,970.00

***** On a separate sheet of paper, Vendors should describe, in detail, the style/model of the automatic brine maker(s) being bid. If available, please provide a brochure or some form of equipment documentation. This is for informational purposes only.

Henderson[™]

COMPLETE WARRANTY PROVISIONS

A. PARTS REPLACEMENT AND REPAIR:

Henderson Products Inc warrants its manufactured products to be free from defects in material or workmanship for a period of one year after delivery to the original user, or 18 months after factory invoice, whichever occurs first. This warranty of our products under normal use and service is limited to replacement and repair, at the company's factory, of any parts which are returned to the factory freight prepaid, and upon examination found to be defective.

B. EXCLUSIONS:

1. This warranty is expressly limited to parts replacement and repair, and is not transferable. Any expressed warranty not herein provided, and any remedy for breach of contract is excluded and disclaimed. The implied warranties of merchantability and of fitness for any particular purpose are limited to one year from delivery to the original user, or 18 months from factory invoice, whichever occurs first.
2. Any component or part manufactured by others will carry that manufacturer's warranty, and in no case will Henderson Products Inc be liable, either expressed or implied, for warranties in excess of those made by the original manufacturer.
3. Henderson Products Inc shall not be liable for loss of time, manufacturing costs, labor, material, loss of profits, incidental, special or consequential damages, direct or indirect, because of defective products, whether due to claims arising under the contract of sale or independently thereof, and whether or not such claim is based on contract, tort or warranty.
4. Repairs or modifications done by others, or parts from other sources outside the company's factory are not covered by this warranty.
5. No agent, employee, or representative of Henderson Products Inc has any authority to make any affirmation, representation, or warranty concerning Henderson Products Inc products, except as specifically stated above.

WARRANTY PROCEDURE

1. Prior authorization by Henderson Products Inc must be obtained for all warranty work.
2. Contact our distributor or Henderson Products Inc giving complete details of your request, the unit involved, including serial number, date purchased, who purchased from, and the nature of or reason for the claim.
3. A Claim number will be assigned, and is required, whenever any warranty is to be paid either in the form of cash, credit, replacement of parts, or service work. The assignment of this does not guarantee warranty will be allowed. This number is to identify the request and track parts that may need to be returned.
4. When warranty replacement parts are shipped, you may be required to return defective part(s) for inspection by Henderson Products Inc or the original manufacturer. In this case, you will be invoiced for shipment of new components until the old unit is returned.

Brine Production & Blending Solutions

Henderson's BrineXtreme is in a class all its own. BrineXtreme is a modular line of brine producing, blending and truck filling systems. These premium systems offer our customers budget friendly options when starting or expanding their brine making operations.

Brine production begins with our highly customizable salinity control, a self cleaning brine maker and a storage tank. Our flexible blending system can be added at any time and works effortlessly to produce salt brine mixtures with beet juice, calcium chloride and/or magnesium chloride.

BrineXtreme consistently delivers the optimum mixture of 23.3% concentration by weight. The eutectic point is reached by reading the solution's density. This precise concentration allows the brine to perform in temperatures down to -6°F.

Extreme weather calls for extreme solutions. The ability to deliver a preemptive strike against approaching storm systems is key in securing safe travel conditions. When you're ready install the most reliable and flexible brine making system around, turn to the...

The Dependable Ones™



Self cleaning brine maker pictured above.
Photos may include optional equipment.

SALINITY CONTROL

- Dimensions: 7'1" wide, 2'3" deep and 4'5" tall
- Stand alone, retrofit to existing equipment or modular
- Density measurement accurate to 0.0001
- 110 GPM production rate
- Total automation of salinity, salt tank and brine tank levels
- NEMA 4x Cabinet

SELF CLEANING BRINE MAKER

- Dimensions: 10'6" wide, 48" deep and 78" tall
- 10 GA 316 SS hopper and frame construction
- Polypropylene auger
- Capacity: 6 yards, with 8 yard option
- 380 gallon sump
- Automated clean-out when used with BrineXtreme Salinity Control

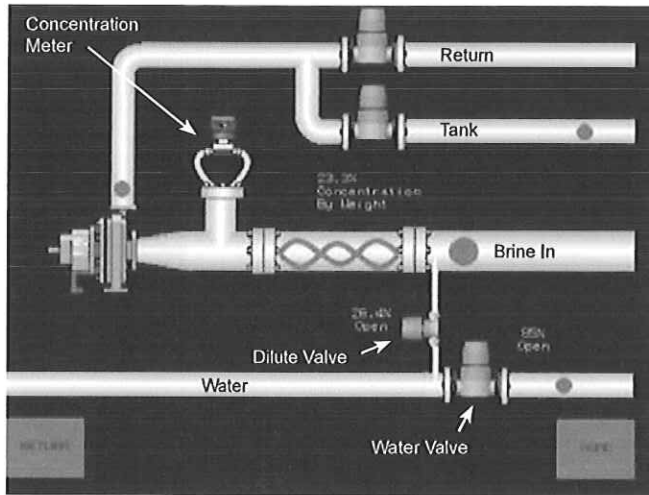
BLENDED SYSTEM

- Dimensions: 12'3" wide, 2'3" deep and 5'5" tall
- 10.4" Color TFT touch screen
- Variable flow rates
- 1-5 blending modules
- 2 micro ingredients per module (2 GPM max)
- 1-3 fill points with interactive LCD screen
- Minimum operating temp. -4°F
- NEMA 4x Cabinet

FEATURES & BENEFITS

Automated Brine Salinity Control

Use with the BrineXtreme brine maker or upgrade you existing system



HMI Display while making brine

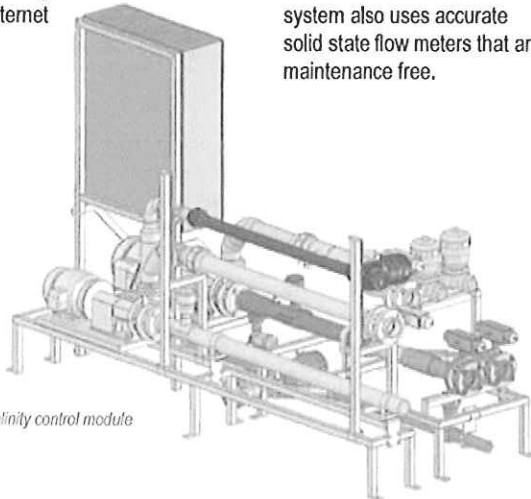
Features:

- Large color touch screen display with animated graphical views for easy operation and programming
- Expandable modular design allows for simple upgrades
- Automated tank agitation keeps products fresh
- Monitor storage tank volumes for inventory control
- Simple maintenance with machine and performance diagnostics
- System can operate in a closed or open loop mode
- Remote logon and control via the Internet

System Benefits:

- Automated, continuous self cleaning
- Reduces labor cost
- Increases production rate
- Capable of 6,000 GPH continuous production
- Mid-flow design

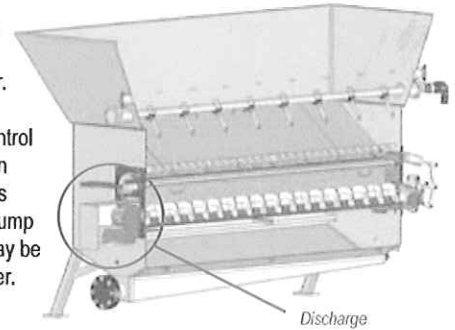
Industrial pneumatic valves are used throughout the BrineXtreme system which provides long life and reliability. The water valve is also equipped with open and close ramping functions which eliminate water hammer. The BrineXtreme system also uses accurate solid state flow meters that are maintenance free.



Typical salinity control module

Self Cleaning Brine Maker

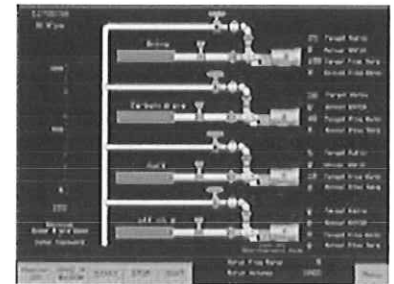
The BrineXtreme brine tank has the added feature of an integral polypropylene auger. When combined with the Automated Brine Salinity control the tank will clean itself when required. The auger removes debris from the 380 gallon sump to a discharge chute so it may be collected in a waste container.



On-Demand Blending & Load Out Systems

Custom blends when you need them and reduced material costs

The BrineXtreme system offers many benefits for loading your trucks. Custom blending is done at the truck fill point, reducing your storage tank requirements. Also different blending rates can be set for individual users or for the whole fleet depending on weather conditions. The system uses variable frequency pump drives and fully proportional control valves to balance flows for maximum efficiency. The desired blend ratios are maintained throughout the filling process. The BrineXtreme system can fill up to 3 trucks at once, if configured with multiple fill locations, to improve productivity. Truck fill output flow can vary based on programmed rates set for individual pieces of equipment in your fleet.



HMI Display while loading

Loading Features

- Blend up to five products
- Variable fill rate for faster turn around
- 50 - 500 GPM (depending on pump configurations)
- Accurate filling - 0.5% repeatability
- Inject 2 micro-ingredients
- Simple to operate



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.

©Henderson Products, Inc. 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 producing systems, additional product options may be available that are not shown here.



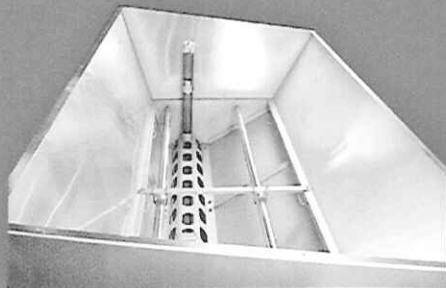
1085 S. Third St., P.O. Box 40, Manchester, IA 52057
Toll Free: (800) 359-4970
www.hendersonproducts.com



HP-095 5M 11/12

Accurate Concentration Measurement

The brine concentration is measured by reading the brine density. The concentration meter is accurate to 0.01% with little effect from temperature changes and products other than salt. The meter is based on durable, proven technology that is widely used in other industries. The PID Loop control helps insure tight tolerances of the target brine concentration.



Distributed by:

Specifications

Pump Modules

- ⌘ High efficiency drives and motors
- ⌘ Cast stainless steel pedestal pumps with open impellers
- ⌘ Magnetic type flow meters with 0.5% repeatability
- ⌘ Polypropylene pneumatic valves, with failsafe close
- ⌘ Powder coated frames
- ⌘ Stainless steel fasteners
- ⌘ Single and 3 phase power at standard VAC voltages

Self Cleaning Brine Maker

- ⌘ Dimensions: 10'6" wide, 48" deep, 78" tall
- ⌘ 10 GA 316 SS hopper and frame construction
- ⌘ Polypropylene auger
- ⌘ 6 yard capacity (8 yard optional)
- ⌘ 380 gallon sump
- ⌘ Automated clean-out when used with Brine Salinity Control.

Brine Salinity Control

Stand Alone, Retrofit, or Modular

- ⌘ Dimensions: 7'1" wide, 2'3" deep, 4'5" tall
- ⌘ Density measurement accurate to 0.0001
- ⌘ 110 GPM production rate
- ⌘ Total automation of salinity, salt tank, and brine tank levels
- ⌘ NEMA 4X Cabinet

Blending Systems

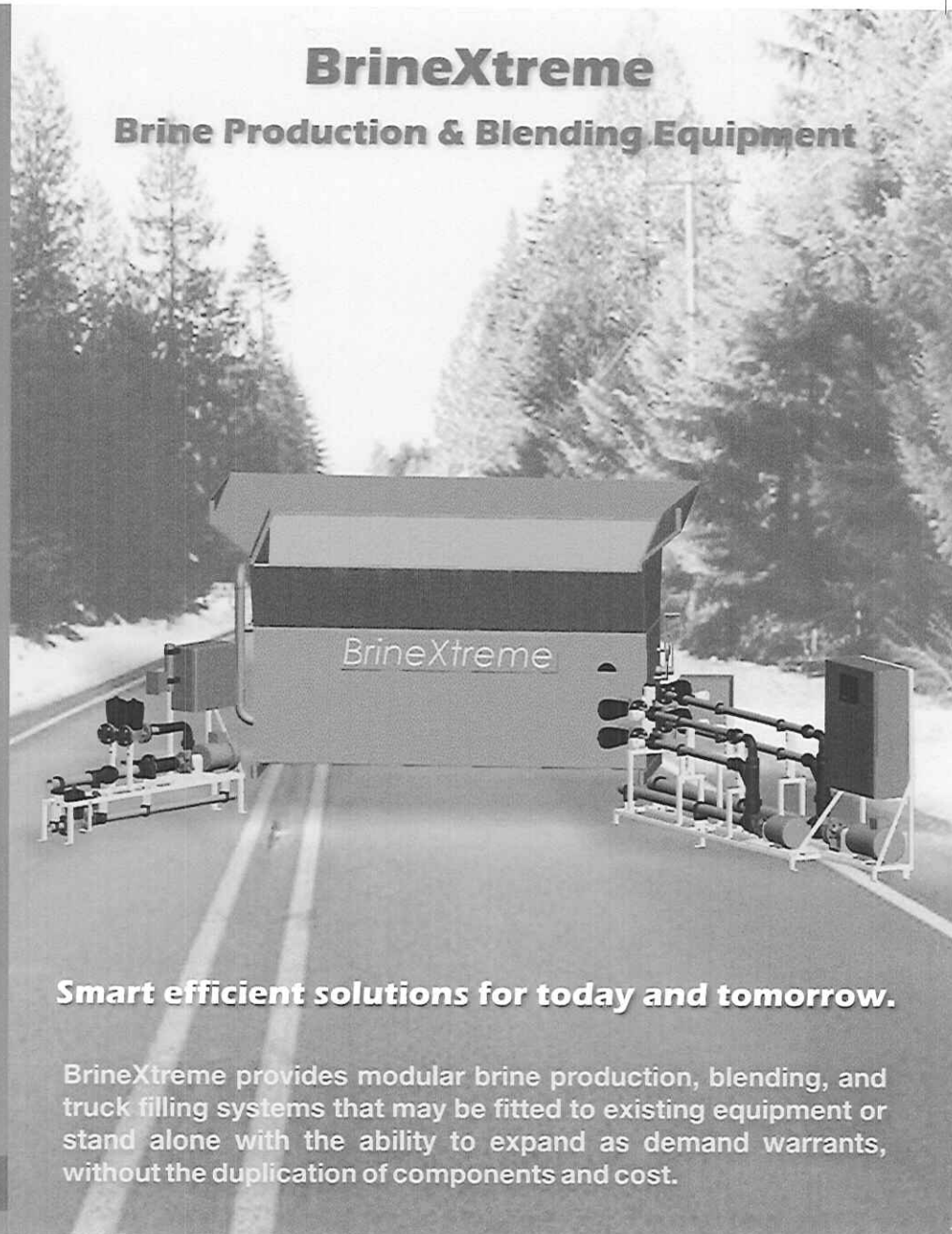
- ⌘ Dimensions: 12'3" wide, 2'3" deep, 5'5" tall
- ⌘ 10.4" Color TFT touch screen
- ⌘ Variable flow rates
- ⌘ 1-5 blending modules
- ⌘ 2 micro ingredients per module (2 GPM max)
- ⌘ 1 - 3 fill points with interactive LCD screen
- ⌘ Minimum operating temp -20°C
- ⌘ NEMA 4x Cabinet

www.BrineXtreme.com

(317) 919-1733

BrineXtreme

Brine Production & Blending Equipment

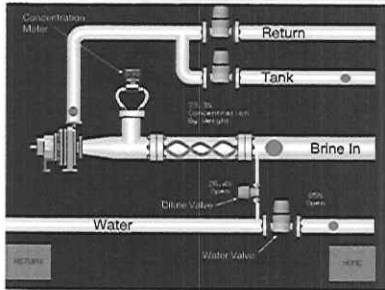


Smart efficient solutions for today and tomorrow.

BrineXtreme provides modular brine production, blending, and truck filling systems that may be fitted to existing equipment or stand alone with the ability to expand as demand warrants, without the duplication of components and cost.

Automated Brine Salinity Control

Use with our brine maker or upgrade your existing system



HMI Display while making brine

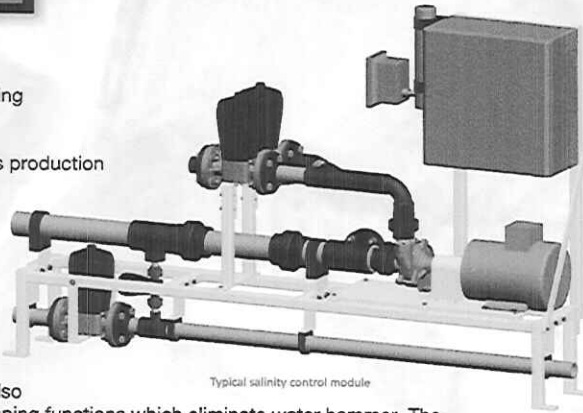
Features:

- ❖ Large color touch screen display with animated graphical views for easy operation and programming
- ❖ Expandable modular design allows for simple upgrades
- ❖ Automated tank agitation keeps products fresh
- ❖ Monitor storage tank volumes for inventory control
- ❖ Simple maintenance with machine and performance diagnostics
- ❖ System can operate in a closed or open loop mode
- ❖ Remote logon and control via the internet

System Benefits

- ❖ Automated, continuous self cleaning
- ❖ Reduces labor cost
- ❖ Increases production rate
- ❖ Capable of 6,000 GPH continuous production
- ❖ Mid-flow design

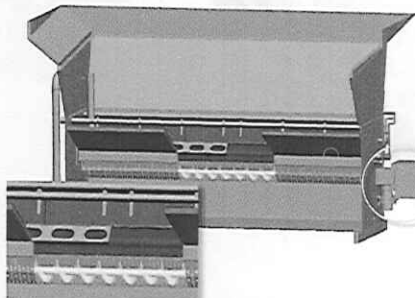
Industrial pneumatic valves are used throughout the BrineXtreme system which provides long life and reliability. The water valve is also equipped with open and close ramping functions which eliminate water hammer. The BrineXtreme system also uses accurate solid state flow meters that are maintenance free.



Typical salinity control module

Self Cleaning Brine Tank

The BrineXtreme brine tank has the added feature of an integral polypropylene auger. When combined with the Automated Brine Salinity control the tank will clean itself when required. The auger removes debris from the 380 gallon sump to a discharge chute so it may be collected in a waste container.



Discharge chute

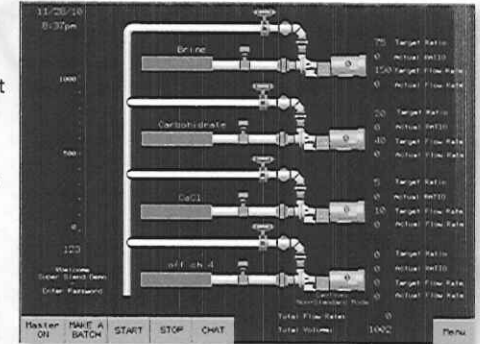
www.BrineXtreme.com

(317) 919-1733

On-Demand Blending & Load Out Systems

Custom blends when you need them, reduce your material costs

The BrineXtreme system offers many benefits for loading your trucks. Custom blending is done at the truck fill point, reducing your storage tank requirements. Also different blending rates can be set for individual users or for the whole fleet depending on weather conditions. The system uses variable frequency pump drives and fully proportional control valves to balance flows for maximum efficiency. The desired blend ratios are maintained throughout the filling process. The BrineXtreme system can fill up to 3 trucks at once, if configured with multiple fill locations, to improve productivity. Truck fill output flow can vary based on programmed rates set for individual pieces of equipment in your fleet.



HMI Display while loading

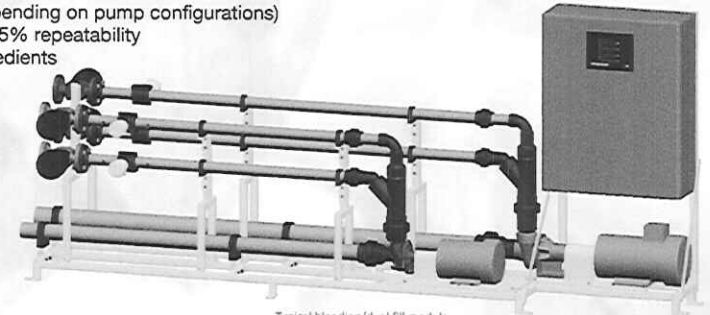
Loading Features

- ❖ Blend up to five products
- ❖ Variable fill rate for faster turn around
- ❖ 50 - 500 GPM (depending on pump configurations)
- ❖ Accurate filling - 0.5% repeatability
- ❖ Inject 2 micro-ingredients
- ❖ Simple to operate



Load-Out Interface

Interactive and as easy to use as an ATM.



Typical blending/dual fill module

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.



Simply the most advanced, durable, and smartest equipment available.

Brine Production & Blending Solutions

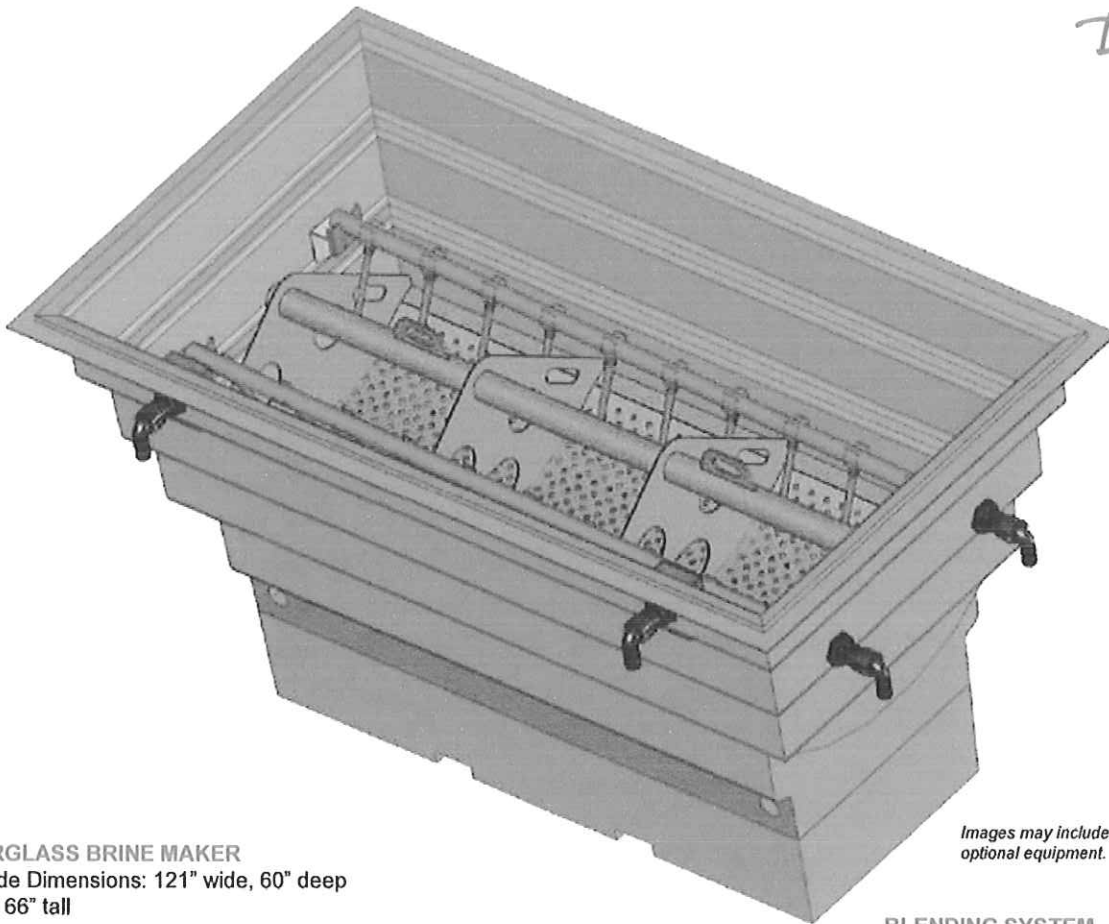
Henderson's BrineXtreme is in a class all its own. BrineXtreme is a modular line of brine producing, blending and truck filling systems. These premium systems offer our customers budget friendly options when starting or expanding their brine making operations.

Brine production begins with our highly customizable salinity control, a fiberglass brine maker and a storage tank. Our flexible blending system can be added at any time and works effortlessly to produce salt brine mixtures with beet juice, calcium chloride and/or magnesium chloride.

BrineXtreme consistently delivers the optimum mixture of 23.3% concentration by weight. The eutectic point is reached by reading the solution's density. This precise concentration allows the brine to perform in temperatures down to -6°F.

Extreme weather calls for extreme solutions. The ability to deliver a preemptive strike against approaching storm systems is key in securing safe travel conditions. When you're ready to install the most reliable and flexible brine making system around, turn to the...

The Dependable Ones™



Images may include optional equipment.

FIBERGLASS BRINE MAKER

- Inside Dimensions: 121" wide, 60" deep and 66" tall
- Isenthalpic resin construction
- One piece stainless steel grate assembly with lifting lugs
- Capacity: 5 cu. yd. or 6,000 GPH
- Dual 2" overflow ports standard
- Reversible water and return inlets
- Integrated fork pockets
- Two dimensional slope floor
- 2" horizontal ribs with 15° slope
- Mid Flow down design

SALINITY CONTROL

- Dimensions: 7'1" wide, 2'3" deep and 4'5" tall
- Stand alone, retrofit to existing equipment or modular
- Density measurement accurate to 0.0001
- 110 GPM production rate
- Total automation of salinity, salt tank and brine tank levels
- NEMA 4x Cabinet

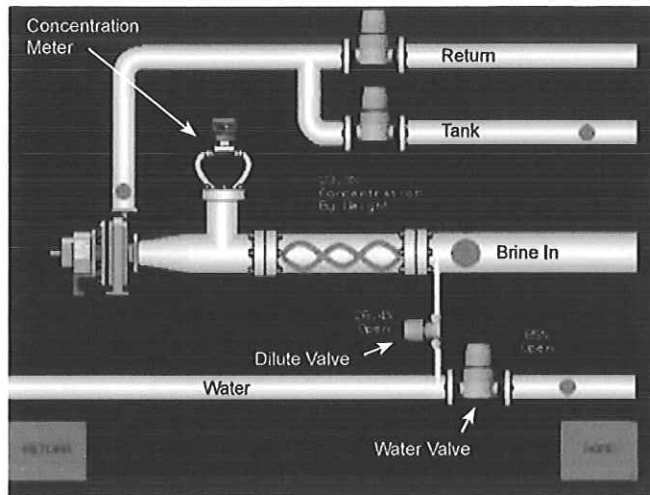
BLENDED SYSTEM

- Dimensions: 12'3" wide, 2'3" deep and 5'5" tall
- 10.4" Color TFT touch screen
- Variable flow rates
- 1-5 blending modules
- 2 micro ingredients per module (2 GPM max)
- 1-3 fill points with interactive LCD screen
- Minimum operating temp. -4°F
- NEMA 4x Cabinet

FEATURES & BENEFITS

Automated Brine Salinity Control

Use with the BrineXtreme brine maker or upgrade you existing system



HMI Display while making brine

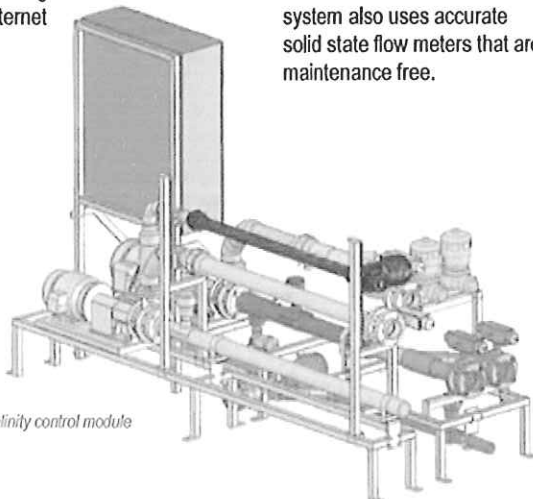
Features:

- Large color touch screen display with animated graphical views for easy operation and programming
- Expandable modular design allows for simple upgrades
- Automated tank agitation keeps products fresh
- Monitor storage tank volumes for inventory control
- Simple maintenance with machine and performance diagnostics
- System can operate in a closed or open loop mode
- Remote logon and control via the Internet

System Benefits:

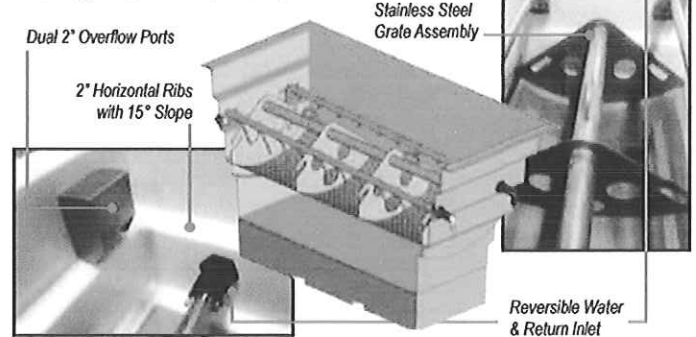
- Automated, continuous self cleaning
- Reduces labor cost
- Increases production rate
- Capable of 6,000 GPH continuous production
- Mid-flow design

Industrial pneumatic valves are used throughout the BrineXtreme system which provides long life and reliability. The water valve is also equipped with open and close ramping functions which eliminate water hammer. The BrineXtreme system also uses accurate solid state flow meters that are maintenance free.



Typical salinity control module

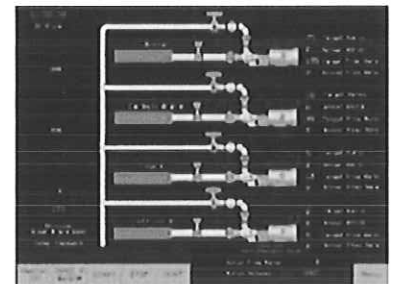
Fiberglass Brine Maker



On-Demand Blending & Load Out Systems

Custom blends when you need them and reduced material costs

The BrineXtreme system offers many benefits for loading your trucks. Custom blending is done at the truck fill point, reducing your storage tank requirements. Also different blending rates can be set for individual users or for the whole fleet depending on weather conditions. The system uses variable frequency pump drives and fully proportional control valves to balance flows

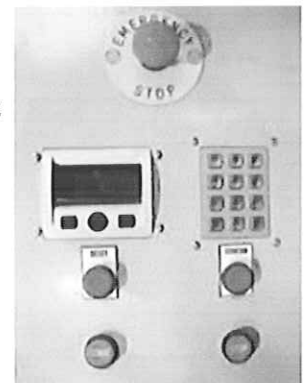


HMI Display while loading

for maximum efficiency. The desired blend ratios are maintained throughout the filling process. The BrineXtreme system can fill up to 3 trucks at once, if configured with multiple fill locations, to improve productivity. Truck fill output flow can vary based on programmed rates set for individual pieces of equipment in your fleet.

Loading Features

- Blend up to five products
- Variable fill rate for faster turn around
- 50 - 500 GPM (depending on pump configurations)
- Accurate filling - 0.5% repeatability
- Inject 2 micro-ingredients
- Simple to operate



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.

©Henderson Products, Inc. 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 producing systems, additional product options may be available that are not shown here.

Henderson®

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



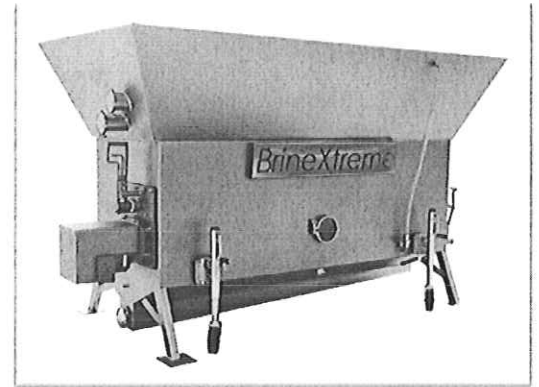
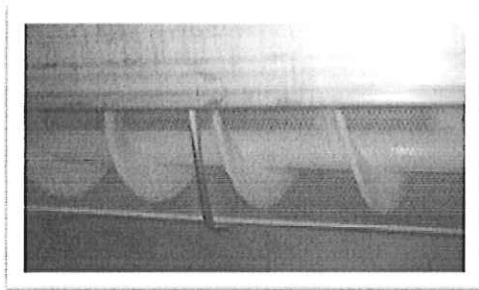
HP-095 5M 11/12

BrineXtreme's Brine Production & Blending Equipment

BrineXtreme offers innovative solutions to producing liquid anti-ice solutions and delivering to the truck for final application. The innovative equipment produces high quality salt brine and accurately blends up to 5 products on demand, with variable flow rates of 50 to 500 GPM.

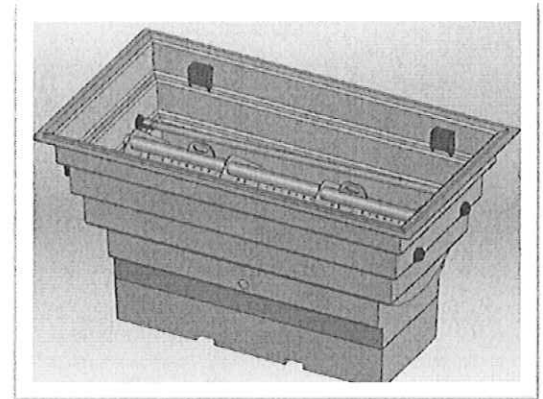
Stainless Steel Brine Maker Salt Tank: The 14 Gauge, stainless steel, mid-flow design salt tank has a 6 cubic yard salt capacity (8 cu. Yard optional). When used with BrineXtreme's salinity control, and the automated, self cleaning feature, brine production rates to 7,200 GPH are achieved. The automated cleanout auger periodically cycles to remove the 3/16" and larger solids from the vessel without the need for operator intervention. This keeps the system operating at maximum efficiency and reduces labor costs. A water flush system easily removes sediment from the lower salt tank sump area. Dimensions are: opening 120", width 57", height 77".

Cleanout Auger housed in 3/16" perforated stainless steel screen.



Downward-Mid Flow Fiberglass Brine Maker

Salt Tank: A durable, cost effective solution for brine production with an effective means of flushing the undissolved solids from the sump. The salt grates unique concave design is strong, long lasting, and separates the lower sump from the salt bed to efficiently produce clean, clear brine.



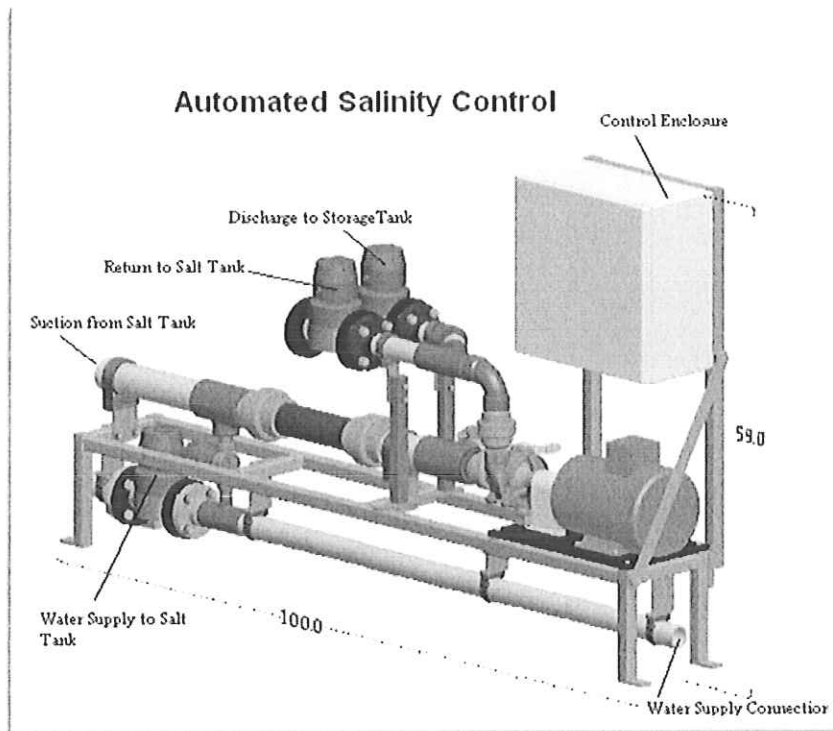
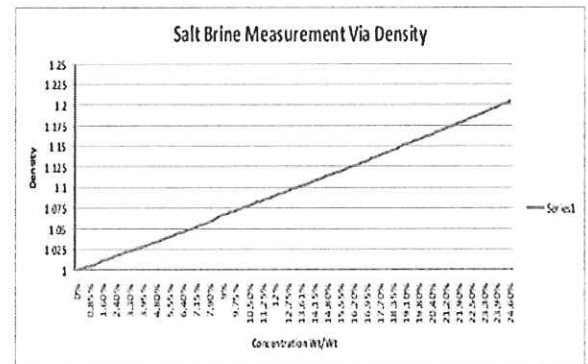
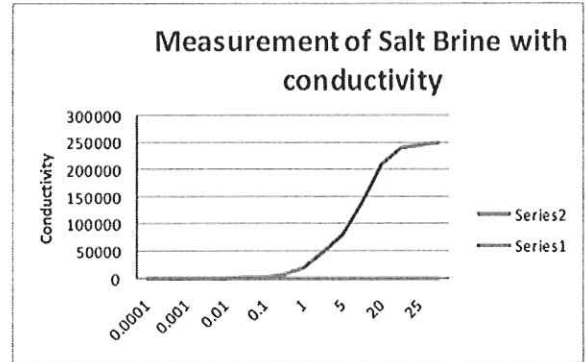
Modular Control Systems: BrineXtreme's modular salinity control, truck fill, or blending systems and options may be easily added at any time after the initial purchase. These features allow the system to adapt and grow as customers demands change. Each of these systems may also be retrofit to most any existing brine maker to improve performance or functionality.

Salinity Control: BrineXtreme's salinity measurement and control system has 3 distinct performance advantages.

Salinity is measured via density: This enables the system to measure virtually any solutions concentration accurately. When producing brine solutions, liquid temperatures and treated salts with their additives have virtually no effect on the measurement of the solutions salt concentration. This feature eliminates the complicated, time consuming brine concentration sensor calibrations associated with other brands.

Balanced Flow: The control system balances the flow rates to the salt tank return, to the storage tank and water addition. This process stabilizes the system and significantly reduces recirculation time to adjust the brine to specified concentrations. This improved efficiency means larger volumes of brine are produced in less time.

Dilute Valve Control: BrineXtreme's control system uses a PID loop control system to provide the dilute valve with an adjustment range of 16,000 increments. This insures tight tolerances and accurate, repeatable performance. Other brands use power on/off valve control with 15 increments.



Industrial Components:

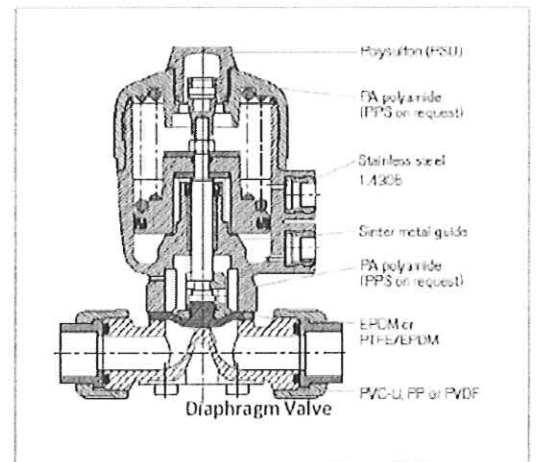
Industrial pneumatic diaphragm valves with failsafe to close position, durability, high performance, and low maintenance, ensure proper operation in the most demanding conditions.

Premium efficient TEFC motors run cool, have cast housings for corrosion resistance, and meet green standards for energy consumption.

Heavy duty cast stainless steel pedestal pumps with silicon carbide seals reduce maintenance costs and perform in demanding conditions.

Accurate, solid state, maintenance free flow meters provide 0.5% repeatability.

Single and three phase power options at standard VAC voltages to meet any service in North America and Europe.



Optional Automated Truck Fill System for Salinity Control

Control: BrineXtreme's Truck Fill system provides the customer with an easy and cost effective process for loading trucks at flow rates to maximize application time and minimize loading time. The RFID or Keypad Control Systems provide multiple, user selected profiles to optimize load outs. Truck number, RFID tag number, Operator I.D. (with Keypad option), flow rate, and maximum volume are selected for each operator and recorded with each truck fill event. Operation is as simple as an ATM and provides outstanding performance.

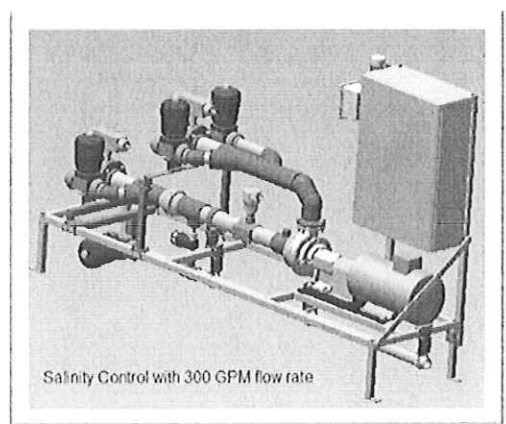
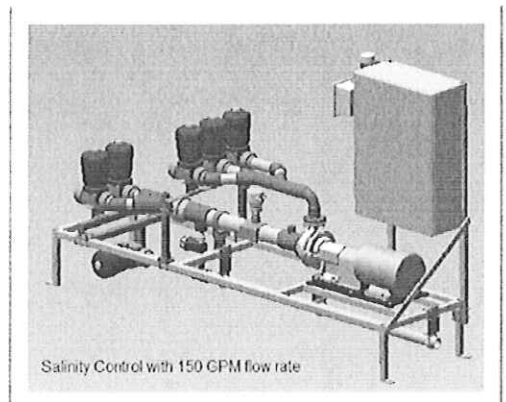
5 separate pump configurations to choose from allows the most efficient system to match brine production and truck fill flow rates required to meet the customer's needs.

Flow rates for brine production and truck delivery are independent. The system can produce brine at 120 GPM and fill trucks at 300 GPM without the need for operator intervention.

System is capable of filling up to 3 trucks at the same time (if configured with multiple fill locations) each getting its specified flow rate and blended product ratio.

Stainless steel frame construction

Interactive LCD Display & Numeric Keypad at fill points make the system easy to use.



Optional Features:

Air Purge of Water to Salt Tank prevents freezing

Warning Beacon: Indicates low salt condition or machine problem

Recycled Water Kit: Allows truck wash, and building or parking lot runoff water to be used in the brine production process.

Various Production Rates

Various sizes of HMI operator interface, 3.5 to 10"

Storage Tank Level sensors are pre-installed to eliminate the need to access the tops of storage tanks for installation and maintenance.

Remote Cellular Connection: Troubleshooting, operation, machine setup, and programming updates can occur remotely by an authorized BrineXtreme technician or system administrator.

Data Logging System: BrineXtreme's data logging system logs accurate data including location, product name, volume, Ratio, RFID Card Number or User I.D. (with Keypad option), date and time and summarizes all information for each event. The data may then be downloaded via LAN, USB, sent via email, or text message.

Example of truck load-out event with a blended product:

MN Dot, Mankato, MN. load out event

Machine Location: 1735 West Main Street, Mankato MN

Product	Volume	Ratio	Storage	Mode
Brine	2,891.0	80.0	6,899	Auto Closed Loop
Ice Bite	722.7	20.0	3,167	Auto Closed Loop

Total Volume: 3,613.7

User I.D. 34679

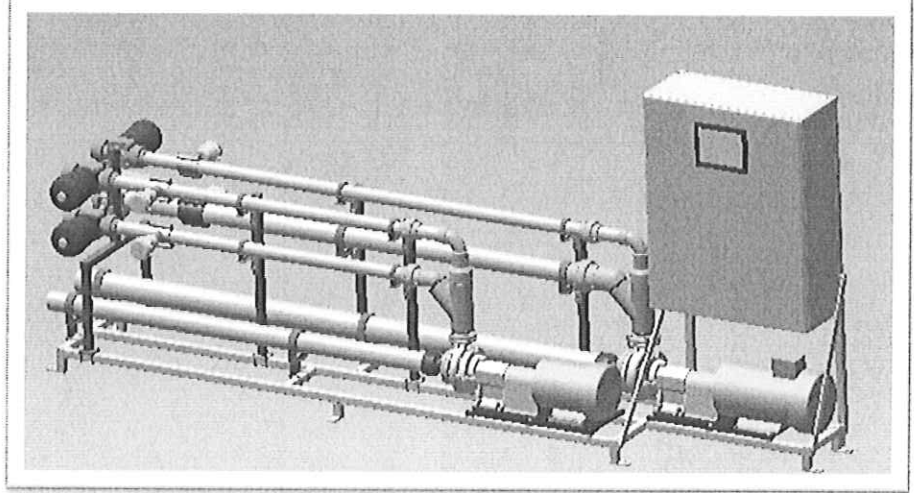
User Name: Tom Smith

Date: (mm/dd/yyyy) 2/26/2010

Time: (hh:mm:ss) 13:18:21

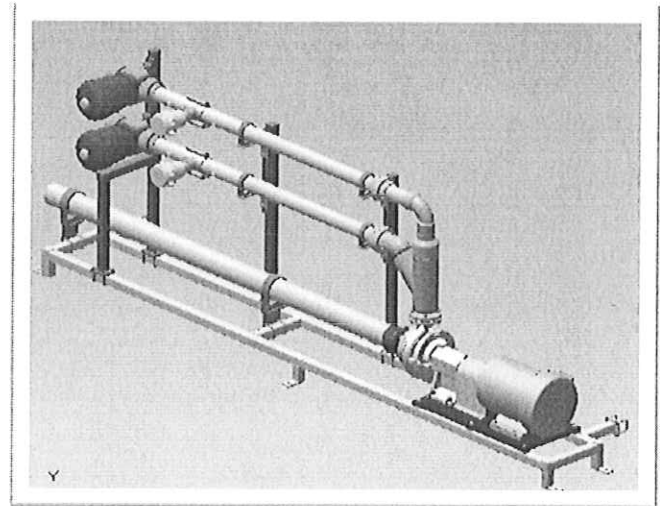
Blending Systems: Real Time Blending

BrineXtreme's Blending system offers the ultimate in performance with accurate blending of multiple products in real time as the product is transferred to the truck. Each pump module provides the exact volume of product to deliver the correct ratio. Variable flow rates are available to minimize truck filling time and match equipment fill rate requirements.



Modular Design: Enables limitless combinations of up to 5 modules with 4 different flow rates per module to fit the customer's needs. Modules may be added to any system after delivery to meet future needs.

Blend to Truck verse to Storage Tank: The BrineXtreme blending system mixes the ratio desired at time of truck fill. Regardless of ratio or flow rate, the flexibility of blending to the truck fill point enables the correct product to be loaded onto truck at will verse what is premixed in storage tank increasing the end users performance while reducing cost by using the correct product as the condition warrants. An added benefit to blending to truck is by reducing storage tank cost by eliminating the need for blended product storage tank requirements.



Variable flow rates, 50-500GPM: System provides 250 individual profiles where each user has his own prescribed flow rate set up via system administrator. This enables the system to minimize truck loading time by filling truck at an optimal flow and maximize truck efficiency by getting him back on the road with minimal down time.

Stand Alone Control System: Blending system controls may be retro fit to existing brine makers to add blending, salinity control, or truck fill to automate and data log truck filling processes.

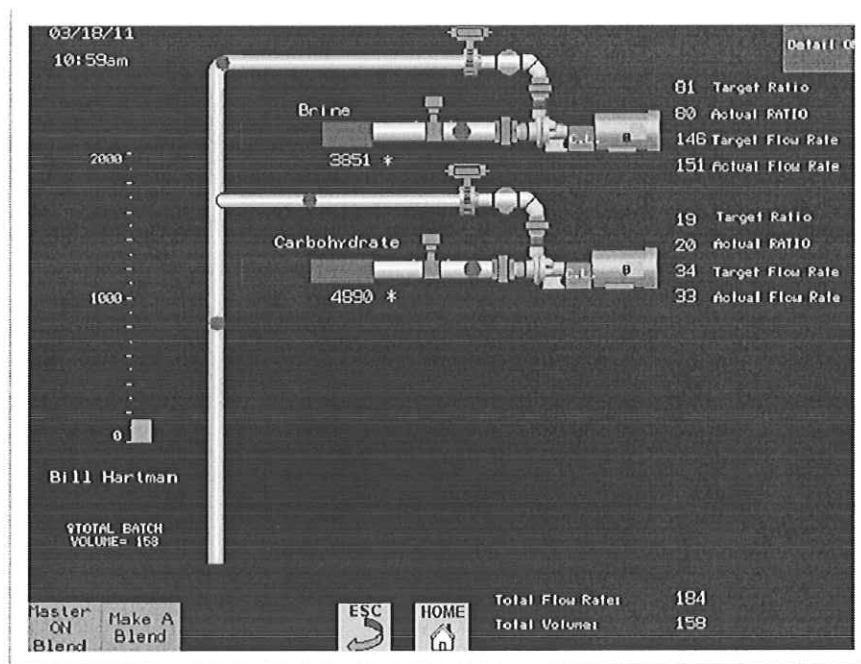
Industrial components ensure long life: Heavy duty cast stainless steel pumps, pneumatic valves, high efficiency premium motors, high performance vector drives and solid state magnetic flow meters ensure years of service in a harsh environment. In the event maintenance is required, easy access to all the components ensure that replacement time is minimal.

Remote Access to machine via Cellular Connection:

Remote Cellular Connection: Troubleshooting, operation, machine setup, and programming updates can occur remotely by an authorized BrineXtreme technician.

10" 256 Color Touch Screen Interface:

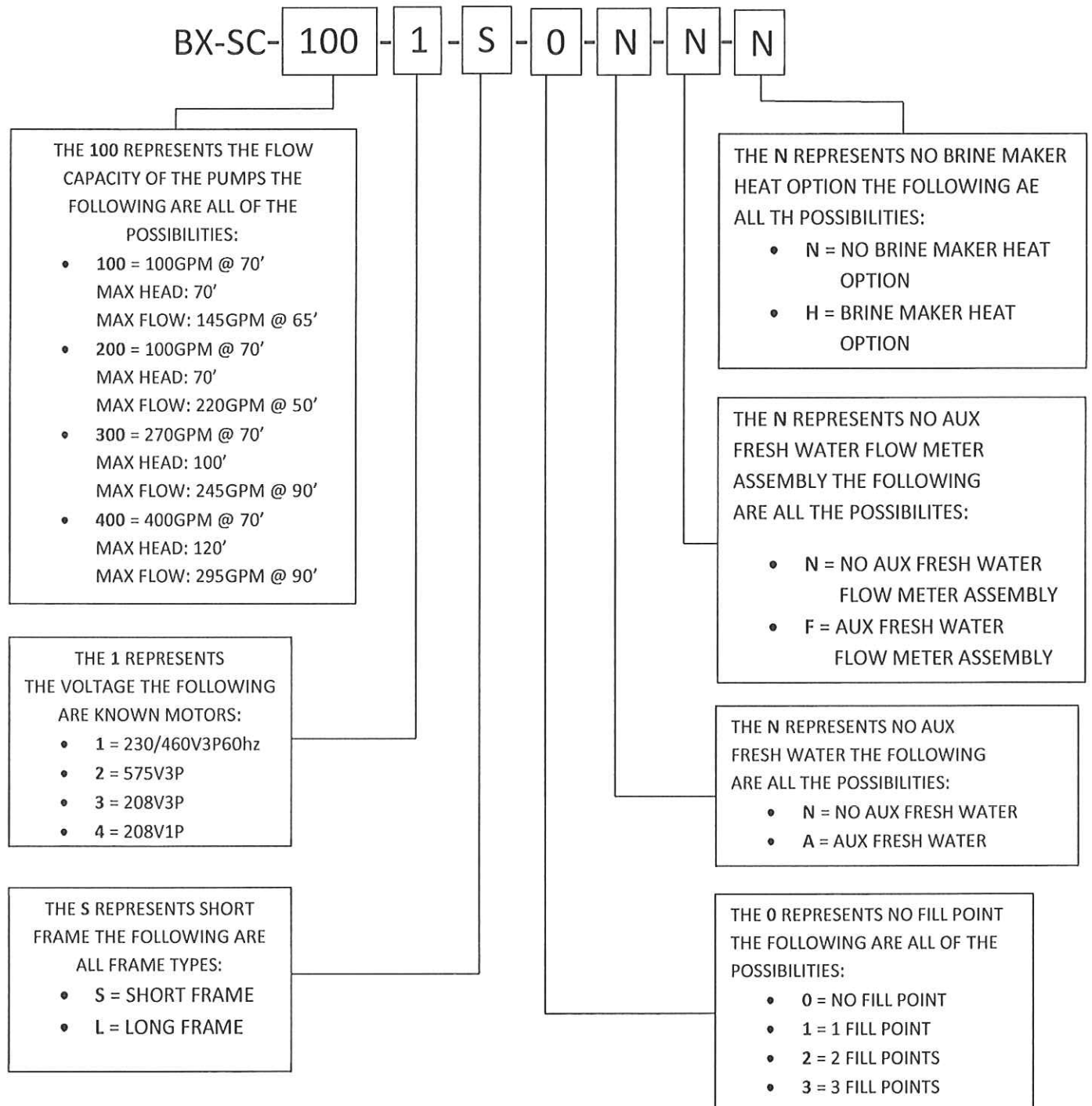
The operator touch screen provides crystal clear system performance, and animated graphics with easy navigation at the touch of a button. The illustration below shows a 2 product blend event in progress with performance, system status and tank level details.



When placing an order for salinity controls units the following is an example of how units should be ordered to represent the needs of the customer.

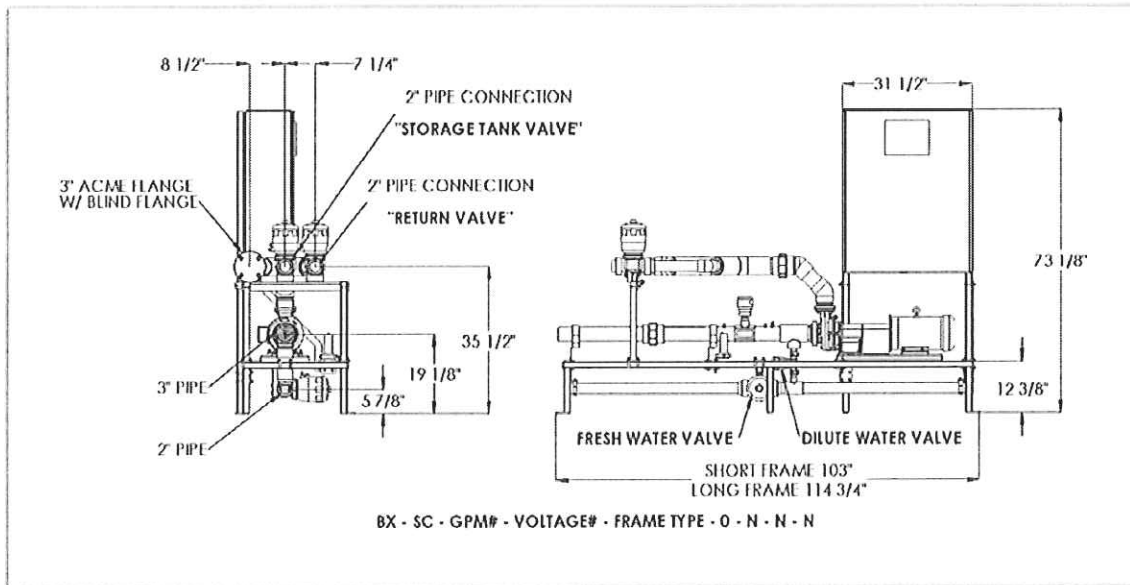
BX-SC is the abbreviation for Brinextreme Salinity Control

* After the box for BRINE MAKER HEAT OPTION in the future we can add additional options.

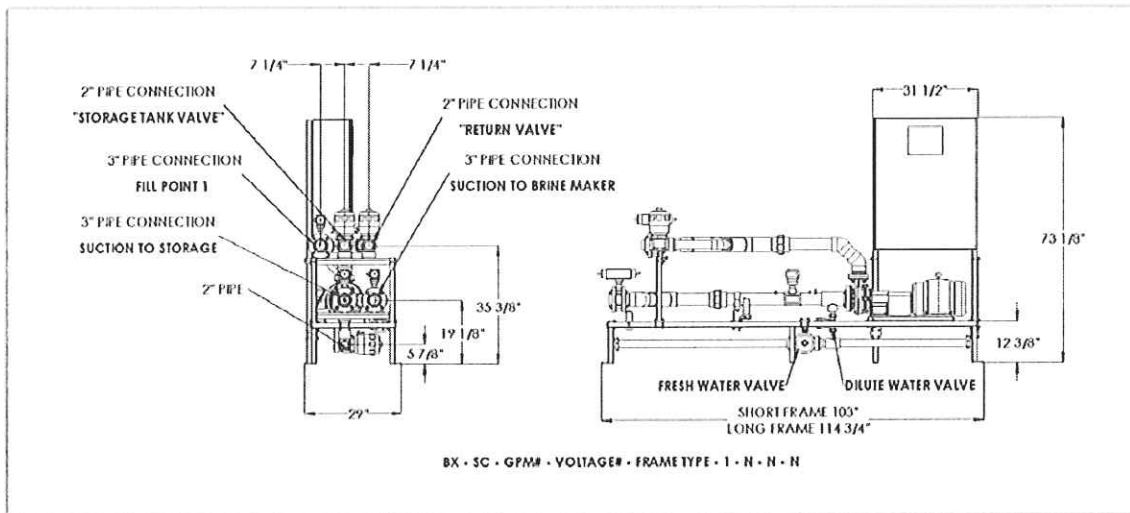


SALINITY CONTROL LAYOUT OPTIONS

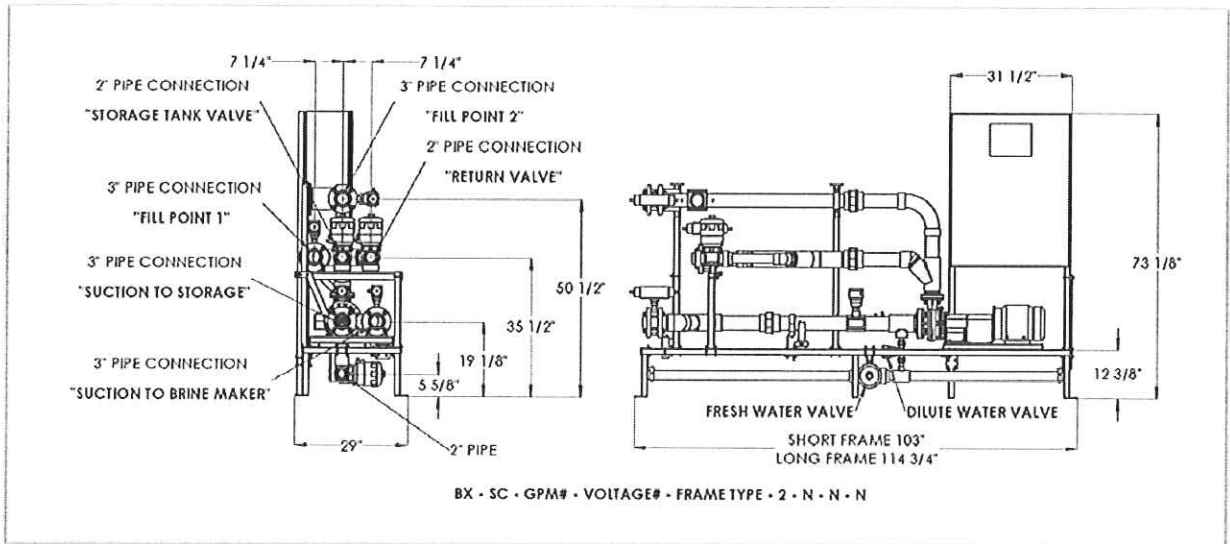
SALINITY CONTROL WITH NO FILL POINTS



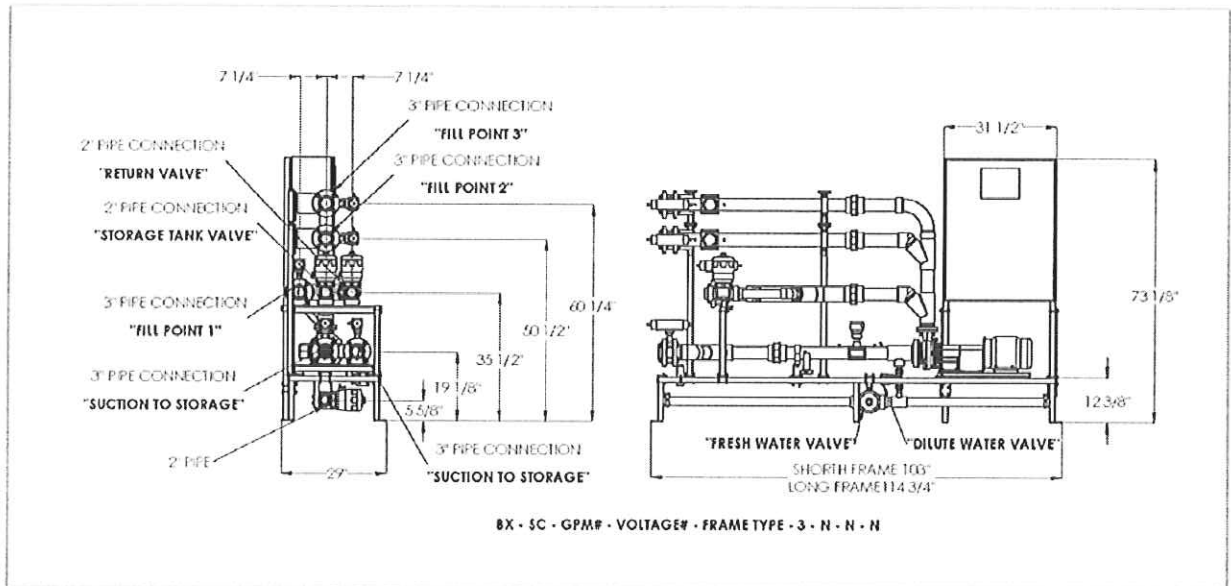
SALINITY CONTROL WITH 1 FILL POINT



SALINITY CONTROL WITH 2 FILL POINTS

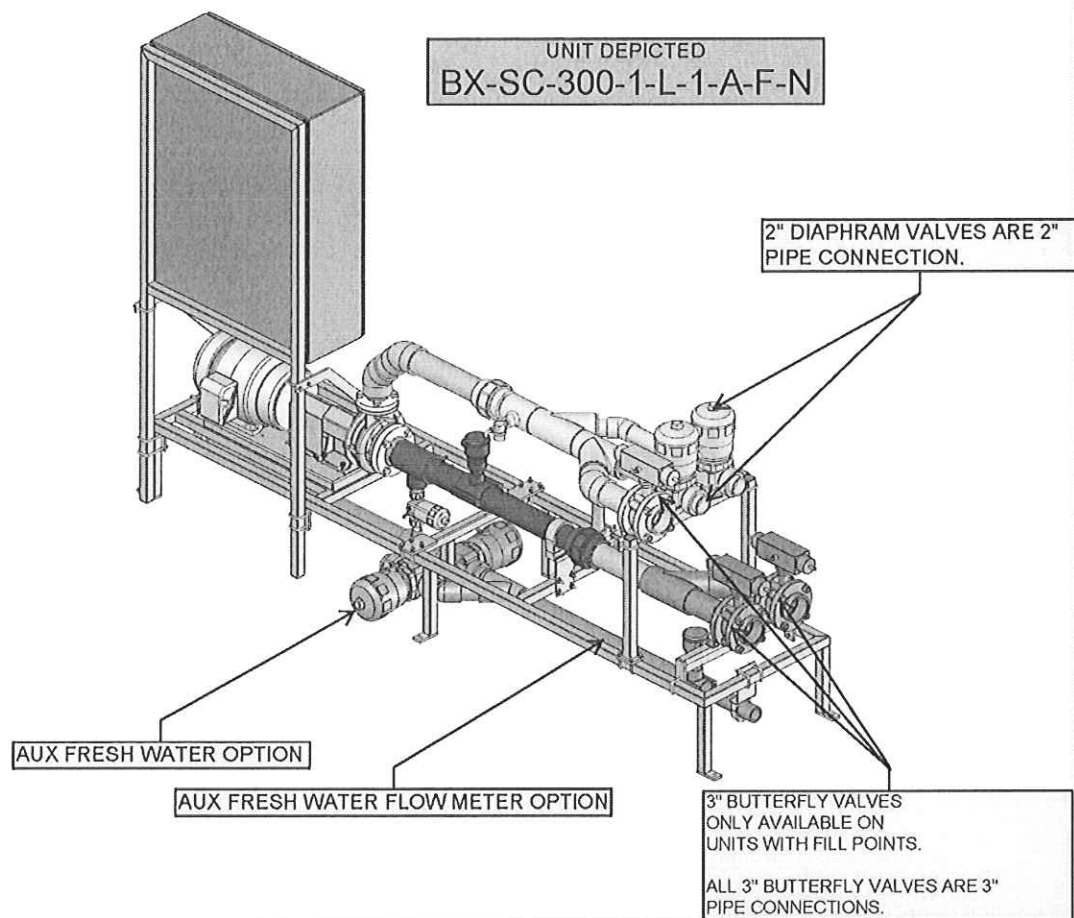


SALINITY CONTROL WITH 3 FILL POINTS



FRESH WATER OPTIONS

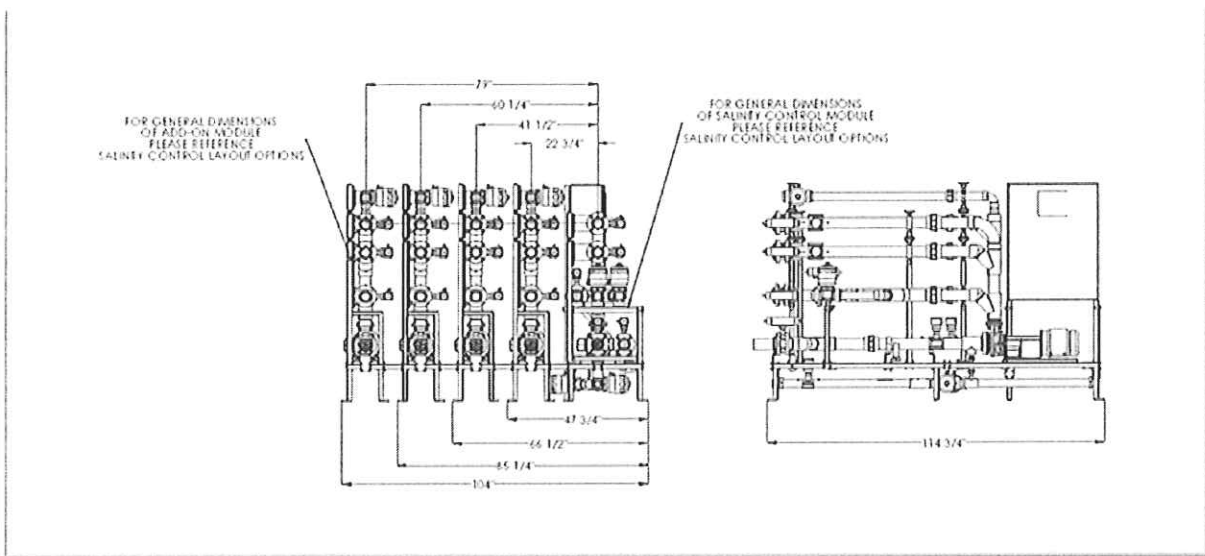
Depicted below are additional options that can be added on. Also depicted below are the line sizes for all units.



*AUX FRESH WATER FLOW METER OPTION is only available if the AUX FRESH WATER is included on unit.

BX-SC WITH ADD-ON GENERAL LAYOUT INFORMATION

UNIT SHOWN DIPICTS A SALINITY CONTROL WITH THE MAXIMUM AMOUNT OF (4) ADD-ON MODULES



When placing an order for a salinity controls unit it is a possibility that the customer may require Fill Point Manifolds if they have Add-On Modules. These manifolds should be listed as separate line order items. The following is an example of how it should be listed.

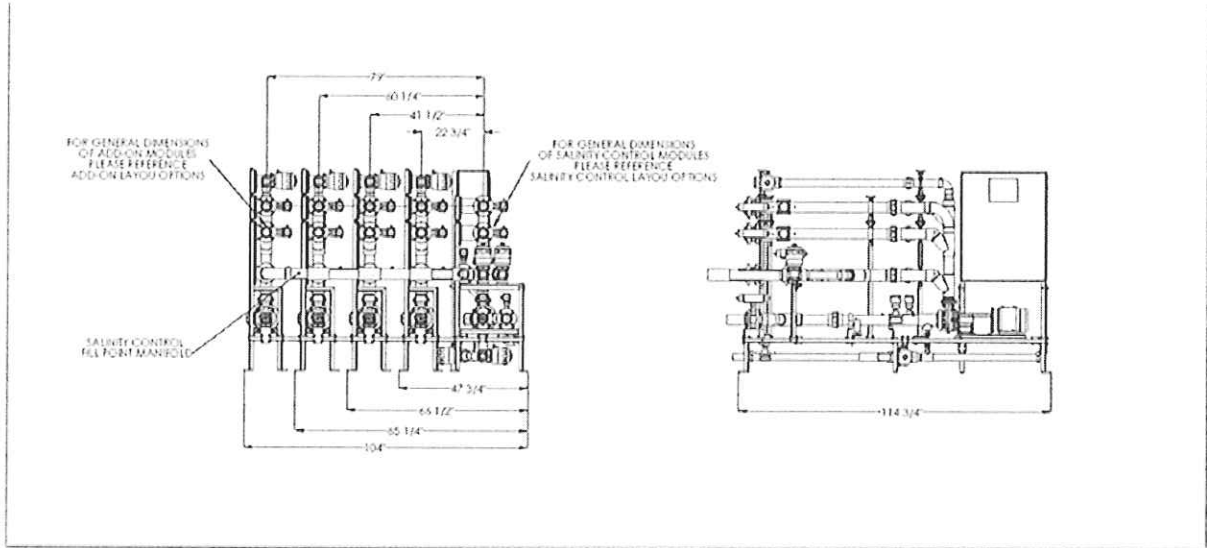
BX-SC-FM- 4

THE 4 REPRESENTS THE NUMBER OF
ADD-ONS BEING COMBINED
THE FOLLOWING ARE ALL OF THE
POSSIBILITIES:

- 1 = 1 ADD-ON MODULE
- 2 = 2 ADD-ON MODULES
- 3 = 3 ADD-ON MODULES
- 4 = 4 ADD-ON MODULES

BX-SC-FM is the abbreviation for Brinextreme Salinity Control Fill Point Manifold

UNIT SHOWN DICTS A SALINITY CONTROL WITH THE MAXIMUM AMOUNT OF (4) ADD-ON MODULES AND MANIFOLD FOR COMBINING FILL POINTS INTO ONE OUTLET.



WEST VIRGINIA

BID #6613C013 Brine Maker Equipment

Details for style/model of automatic brine maker(s) being bid

The Henderson BrineXtreme product line utilizes a modular concept that enables the machine to be configured into a wide variety of combinations. This ensures the proper equipment for the application since all equipment operates on a common platform the ability to upgrade any system in the future is simple and cost effective.

Modular concept of pump modules consist of 2 main categories; the brine production module that manages all aspects of brine production such as concentration, volume cleanout and data logging and blending modules for producing blends and loading trucks with products.

Brine Module is a fully automated high performance module that can produce brine at over 9,000 GPH with little or no human intervention. Density of solution is measured via solid state density meter with accuracy of 0.001 SG. Dilution of product can be controlled in 16,000 increments this ensures quality product and high performance. Other unique features such as balanced flow production and variable frequency drives reduce energy consumption and increase output.

All systems are equipped with

- Industrial Duty Cast SS pedestal Pumps
- Industrial Pneumatic Valves
- Stainless Steel Frame
- High Performance PLC
- 10.4" Color touch screen HMI
- USB download and upload port
- Modular design for up to 5 modules and ability to load 3 trucks at one time if hardware is present



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Solicitation

NUMBER
6613C013

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 ALAN CUMMINGS
 304-558-2402

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

BAKER TRUCK EQUIPMENT CO.
 PO BOX 482
 HURRICANE WV 25526

SHIP TO

DIVISION OF HIGHWAYS
 VARIOUS LOCALES AS INDICATED
 BY ORDER

DATE PRINTED
 11/19/2012

BID OPENING DATE: 12/05/2012 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 01		
				ISSUED TO CHANGE BID OPENING DATE AND TIME PER THE ATTACHED DOCUMENTATION.		
0001	1	EA		160-12	SEE PAGE 35 & 35A	SEE PAGE 35 & 35A
				BRINE MAKER SYSTEMS		
				***** THIS IS THE END OF RFQ 6613C013 ***** TOTAL:		SEE PAGE 35 & 35A

SIGNATURE: *[Signature]* TELEPHONE: 304-722-3814 DATE: 12/11/2012
 TITLE: SALESMAN FEIN: 55-0711783 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

SOLICITATION NUMBER: 6613C013
Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

Issued to change bid opening date and time:

From - 11/21/2012 - at 1:30 P.M.

To - 12/05/2012 - at 1:30 P.M.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: 6613C013

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

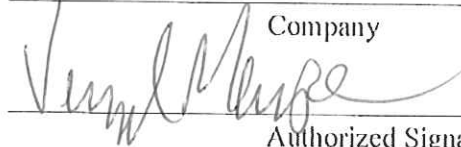
(Check the box next to each addendum received)

<input checked="" type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input type="checkbox"/> Addendum No. 3	<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 4	<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

BAKER TRUCK EQUIPMENT CO.

Company



Authorized Signature

12/11/2012

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
 Revised 6/8/2012

SOLICITATION NUMBER: 6613C013

Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

To answer questions posed from vendors
To modify the bid opening date to 12/12/2012

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

To answer questions posed by vendor.

RFQ#6613C013
Addendum #2

- Question #1: Would the State of West Virginia please clarify the pricing terms as related to the possible contract extensions of two successive one year periods? Will a price increase be allowed and under what conditions; i.e. grace period to request price increase, reasonable evidence required?
- Response #1: The pricing terms for the possible two successive one year periods would be to renew at the current terms, conditions, prices and specifications contained in the original contract and all authorized change orders. If the awarded vendor would need to request a price increase at the time of either renewal, a justification on materials price increase would need to very specific on pass-through increases only, before an increase would be acceptable to the State of West Virginia.
- Question #2: Section 4.1 The system shall be capable of remotely filling trucks with brine and truck data be recorded via RFID card reader system. Question: Is an alpha numeric keypad system to input individual user passwords, to track truck flow rates, employee ID numbers, volumes and blend ratios an acceptable alternative?
- Response #2: This type of alternative system would deviate from the original RFQ specifications and would not be considered acceptable.
- Question #3: Section 4.1.2 The brine concentration sensor that monitors brine between 19.6 and 27.0% concentration by weight. Question: Is a sensor that measures brine concentration between 0.0 and 26.4% via the liquids density an acceptable alternative? Concentration via density is highly accurate and does not require operator recalibration to account for changing liquid temperatures.
- Response #3: Yes, this is acceptable.
- Question #4: Section 4.1.2 The system shall come complete with the ability to access the HMI (operator interface) via the internet. Question: Does the HMI accessibility via internet need to run through the locations network?
- Response #4: The posed question is unclear. The system shall have the ability for the operator to view the brine maker's functions, remotely, via internet connection.
- Question #5: Section 4.1.2 All electric valves shall include manual overrides for operation of the system in the event of an electrical component failure. Question: Are pneumatic operated industrial diaphragm valves with manual override an acceptable alternative? Pneumatic diaphragm valves are superior in performance and have a longer life than electric motorized valves.

To answer questions posed by vendor.
(CONTINUED)

RFQ//6613C013
Addendum #2

Response #5: Yes, this is acceptable.

Question #6: Section 4.1.2 The system shall be designed with a manual valve counterpart to the electric valve to run parallel for a redundant manual control system. Question: Are pneumatic operated, industrial diaphragm valves with manual override an acceptable alternative? Pneumatic diaphragm valves are superior in performance and have a longer life than electric motorized valves.

Response #6: Yes, this is acceptable.

Question #7: Section 4.1.3 All wetted parts on the control panel accept for the pump shall be manifold type glass filled polypropylene rated fro 150 psi. Question: Schedule 80 PVC pipe and fittings are rated for 270 psi, is PVC pipe and fittings acceptable alternatives?

Response #7: Yes, this is acceptable.

Question #8: Section 4.1.3 The electric pump motor shall be a thermally protected 3 HP 220 volt single phase. Question: Variable speed motor drives supplied with machine would convert single phase to three phase and use energy efficient, vector duty, three phase motors. Is this an acceptable alternative?

Response #8: Yes, this is acceptable.

Question #9: Section 4.2.4 The control system shall be capable of injecting a predetermined ratio of brine and a single additive into a finished product tank. (0-100%). Question: Is it desired to blend the brine and single additive directly into the truck, in addition to the storage tank?

Response #9: WVDOH will be using calcium chloride as our main additive. If the solution is premixed in a large storage container and allowed to sit, the calcium chloride solid will settle back out of the solution. It is most important to be able to mix the additives as the trucks are being loaded.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: 6613C013

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

BAKER TRUCK EQUIPMENT CO.
 Company

 Authorized Signature
12/11/2012
 Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012

Rev. 07/12

State of West Virginia
VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. **Application is made for 2.5% resident vendor preference for the reason checked:**
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. **Application is made for 5% resident vendor preference for the reason checked:**
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.**
 Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: BAKER TRUCK EQUIPMENT CO.

Signed: _____

Date: 12/11/2012

Title: _____

SALESMAN

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: BAKER TRUCK EQUIPMENT CO.

Authorized Signature: _____

Date: 12/11/2012

State of WEST VIRGINIA

County of LEWIS, to-wit:

Taken, subscribed, and sworn to before me this 12 day of Dec., 2012.

My Commission expires JUNE 26, 2018.

AFFIX SEAL HERE

NOTARY PUBLIC _____

