



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

**Solicitation**

NUMBER
6614C003

PAGE
1

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

\*A27153509 717-259-1577

GVM INC  
 224 EAST KING ST STE 102  
 EAST BERLIN PA 17316

VENDOR

DIVISION OF HIGHWAYS  
 VARIOUS LOCALES AS INDICATED  
 BY ORDER

SHIP TO

DATE PRINTED
08/01/2013

BID OPENING DATE: 08/14/2013 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		160-12	# 6951.00	# 6951.00
BRINE DISPENSING SYSTEMS						
REQUEST FOR QUOTATION (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 BRINE DISPENSING SYSTEMS PER THE ATTACHED SPECIFICATIONS.						
***** THIS IS THE END OF RFQ 6614C003 ***** TOTAL:						# 6951.00
08/13/13 09:51:56 AM West Virginia Purchasing Division						

SIGNATURE <i>Thomas Bain</i>	TELEPHONE 800-458-5123	DATE 8/12/2013
TITLE <i>Vice President</i>	FEIN 232065809	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: 08/12/2013

Submit Questions to: Alan Cummings  
 2019 Washington Street, East  
 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  
 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: \_\_\_\_\_

SOLICITATION NO.: \_\_\_\_\_

BID OPENING DATE: \_\_\_\_\_

BID OPENING TIME: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

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 n/a 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: 08/14/2013 - 1:30 P.M.

Bid Opening Location: Department of Administration, Purchasing Division  
2019 Washington Street East  
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 award  
and extends for a period of 1 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 2 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.

**Release Order Limitations:** In the event that this contract permits release orders, a release order may only be issued during the time this Contract is in effect. Any release order issued within one year of the expiration of this Contract shall be effective for one year from the date the release order is issued. No release order may be extended beyond one year after this Contract has expired.

**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 from the issuance of the Purchase Order until all of the goods contracted for have been delivered, but in no event shall this Contract extend for more than one fiscal year.

**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 and shall list the state as a certificate holder:

**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  
n/a for n/a

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. [RESERVED]**

**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](mailto: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 heath, 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.

**ADDITIONAL TERMS AND CONDITIONS (Construction Contracts Only)**

1. **CONTRACTOR'S LICENSE:** West Virginia Code § 21-11-2 requires that all persons desiring to perform contracting work in this state be licensed. The West Virginia Contractors Licensing Board is empowered to issue the contractor's license. Applications for a contractor's license may be made by contacting the West Virginia Division of Labor.

West Virginia Code § 21-11-11 requires any prospective Vendor to include the contractor's license number on its bid. Failure to include a contractor's license number on the bid shall result in Vendor's bid being disqualified. Vendors should include a contractor's license number in the space provided below.

**Contractor's Name:** \_\_\_\_\_

**Contractor's License No.** \_\_\_\_\_

The apparent successful Vendor must furnish a copy of its contractor's license prior to the issuance of a purchase order/contract.

2. **DRUG-FREE WORKPLACE AFFIDAVIT:** W. Va. Code § 21-1D-5 provides that any solicitation for a public improvement contract requires each Vendor that submits a bid for the work to submit at the same time an affidavit that the Vendor has a written plan for a drug-free workplace policy. To comply with this law, Vendor must either complete the enclosed drug-free workplace affidavit and submit the same with its bid or complete a similar affidavit that fulfills all of the requirements of the applicable code. Failure to submit the signed and notarized drug-free workplace affidavit, or a similar affidavit that fully complies with the requirements of the applicable code, with the bid shall result in disqualification of Vendor's bid.
3. **DRUG FREE WORKPLACE REPORT:** Pursuant to W. Va. Code § 21-1D-7b, no less than once per year, or upon completion of the project, every contractor shall provide a certified report to the public authority which let the contract. For contracts over \$25,000, the public authority shall be the West Virginia Purchasing Division. For contracts of \$25,000 or less, the public authority shall be the agency issuing the contract. The report shall include:
- (1) Information to show that the education and training service to the requirements of West Virginia Code § 21-1D-5 was provided;
  - (2) The name of the laboratory certified by the United States Department of Health and Human Services or its successor that performs the drug tests;
  - (3) The average number of employees in connection with the construction on the public improvement;

**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.

GVM, Inc.

(Company)

Thomas Bain

(Authorized Signature)

THOMAS BAIN Vice President

(Representative Name, Title)

800-458-5123

(Phone Number)

717-259-1588

(Fax Number)

8/12/2013

(Date)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: 6614C003**

**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.

*There were no addendums  
As of 8:30 AM 8/12/2013.*

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |   |  |
|---|--|
| <input 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 |

*Thun*

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.

GVM, Inc.  
Company

*Thomas Ben*  
Authorized Signature

8/12/2013  
Date

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

REQUEST FOR QUOTATION  
6614C003 Brine Dispensing System

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SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Division of Highways to establish an open-end contract to provide Brine Dispensing Systems for use at locations throughout the State of WV by the WV Division of Highways.
  
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 **“Contract Item” or “Contract Items”** means the list of items identified in Section III, Subsection 1 below.
  - 2.2 **“Pricing Pages”** means the schedule of prices, estimated order quantity, and totals attached hereto as Exhibit A used to evaluate the RFQ.
  - 2.3 **“RFQ”** means the official request for quotation published by the Purchasing Division and identified as 6614C003.
  - 2.4 **“WVDOH”** used through this RFQ means the West Virginia Division of Highways.
  - 2.5 **“ASTM”** used throughout this RFQ means the American Society for Testing and Materials, reference: [www.astm.org](http://www.astm.org).
  - 2.6 **“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, the January 1, 2012 Supplemental Specifications and the January 1, 2013 Supplemental Specifications are interchangeable.
  
3. **GENERAL REQUIREMENTS:**
  - 3.1 **Contract Items and Mandatory Requirements:** Vendor shall provide Agency with the Contract Items listed below on an open-end and continuing basis. Contract Items must meet or exceed the mandatory requirements as shown below.
    - 3.1.1 A liquid deicer dispensing system. The unit shall be used to pre-wet solid deicing materials by the truckload or front end loader bucket. The dispensing system shall also be capable of filling stationary or portable liquid storage tanks.

**REQUEST FOR QUOTATION  
6614C003 Brine Dispensing System**

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**Overall System:**

- All components in direct contact with the liquids being dispensed shall be rated for chemical/chloride resistant applications.
- All fabricated steel components including base, main body and spray arm of the unit shall be hot dip galvanized, in accordance with ASTM A123, for corrosion protection.
- Dimensions shall be: the spray arm support post height shall be 10'-4" above finished grade, spray arm height (horizontal position) shall be 9'-4", spray head distance from pivot shall be 8'-6" and support base shall be 3'-0"W x 3'-0"L x 3 1/2"H.
- Hinges and latches shall be stainless steel.
- All electrical controls shall be mounted in a fiberglass NEMA 4X weather tight enclosure with hinged cover for easy access and lockable latch.
- The assembly shall have a support base that is self-supporting and free-standing.
- The Primary System components shall include the following items:

**3.1.1.1 Overhead Spray Head Assembly:**

- The overhead spray function shall be controlled either manually at the control panel or by remote control transmitter.
- The spray head shall be made of 1 1/2" diameter schedule 80 PVC pipe with four 1" diameter brass spray nozzles spaced at 15" intervals.

**3.1.1.2 Spray Arm:**

- The vertical movement of the spray arm shall be accomplished manually by a hand winch rated at 800 pounds, mounted at an adequate height above finished grade for operation.

**3.1.1.3 System Control Panel:**

- The system control panel shall have:
  - a) a power disconnect switch
  - b) a selection switch for manual or automatic dispensing, with remote transmitter
  - c) run/stop button(s)
- The interior of the box shall contain a magnetic motor starter with thermal overload reset, terminal strip, relays, timers, transformers, remote control circuit board and a power disconnect switch.
- The electrical control panel shall be mounted to the main body of the spray arm support post.



**REQUEST FOR QUOTATION**  
**6614C003 Brine Dispensing System**

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- Electrical service (220 volt, 20 amp single phase) connection to the electrical control panel will be supplied by the WVDOH. When an Agency Release is issued to the Vendor, the Vendor shall advise the WVDOH of materials that will be needed to establish hook up well in advance of installation and shall provide technical assistance to the WVDOH for electrical hook up and calibration when the system is installed.

**3.1.1.4 Dispensing Tank and Pump:**

- The unit shall have a stainless steel centrifugal pump with a 2" diameter inlet, a 1 ½" diameter outlet and a rated flow of 60 gpm.
- The pump shall be closely located to a 2 HP, 3450 rpm, TEFC, 208-230 volt single phase motor equipped with a stainless steel shaft.
- The pump motor assembly shall be housed for protection in a rotationally molded, UV stabilized polyethylene enclosure.
- Electrical wiring from the pump motor to the electrical box shall be contained in Liquidtight flexible conduit with Liquidtight connectors at both ends.
- The pump control timer shall have multiple settings which enables calibrations of various application rates.
- A 2" diameter stainless steel tank shut-off valve shall be installed at the tank outlet and up to 30 feet of 2" diameter flexible PVC hose with fittings shall be installed from the tank to the pump.
- An electric ball valve shall be installed to prevent siphoning through the system.
- The electric ball valve will automatically open when the pump system is activated and will close when the pump shuts off.

**3.1.1.5 Connection Hoses and Fittings:**

- Manifold style fittings shall be used for connections to facilitate repair and maintenance.
- The truck load and unload hoses are to be 1" diameter chloride resistant rubber, 25 feet in length with 1" diameter poly valves and quick couple connectors.
- Two poly three-way valves shall be included to allow for directional flow to the overhead spray system or the truck load / unload hoses.
- All hose clamps used are to be stainless steel.

REQUEST FOR QUOTATION  
6614C003 Brine Dispensing System

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**4. CONTRACT AWARD:**

**4.1 Contract Award:** The Contract is intended to provide Agencies with a purchase price for a liquid deicing dispenser system. The Contract shall be awarded to the Vendor that provides the system meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

**4.2 Pricing Pages:** Vendor should complete the Pricing Page by providing the Unit Cost per each Brine Dispensing System. Vendor shall bid one price statewide to be delivered to any District in the state. Vendor should complete the Pricing Pages in their entirety as failure to do so may result in Vendor's bids being disqualified.

Vendor should provide any documentation/product brochures regarding the Brine Dispensing System proposed, with their bid. A sample Operations and Maintenance Manual should be submitted with the Vendor's bid. A sample parts listing and/or working parts diagram should be submitted with the Vendor's bid.

The Pricing Pages contain a list of the Contract Items and estimated purchase volume. The estimated purchase volume for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied.

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. ORDERING AND PAYMENT:**

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

**5.2 Payment:** Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia. The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking

REQUEST FOR QUOTATION  
6614C003 Brine Dispensing System

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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.

**6. DELIVERY AND RETURN:**

**6.1 Delivery Time:** Vendor shall deliver standard orders within 30 working days after orders are received. Vendor shall deliver emergency orders within an agreed upon established date between the WVDOH and the Vendor after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met.

**6.1.1** Included with the delivery of a Brine Dispensing System to a District, the Vendor shall provide an Operations and Maintenance Manual including a parts listing and/or working parts diagram pertinent to the System delivered.

**6.2 Late Delivery:** The Agency placing the order under this Contract must be notified in writing 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.

**6.3 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.

**6.4 Return of Unacceptable Items:** If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense 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.

REQUEST FOR QUOTATION  
6614C003 Brine Dispensing System

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**6.5 Return Due to Agency Error:** Items ordered in error by the Agency will be returned for credit within 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.

**7. MISCELLANEOUS:**

**7.1 No Substitutions:** Vendor shall supply only Contract Items submitted in response to the RFQ unless a contract modification is approved in accordance with the provisions contained in this Contract.

**7.2 Vendor Supply:** Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.

**7.3 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.

**7.4 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. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Thomas Bair  
 Telephone Number: 800-458-5123  
 Fax Number: 717-259-1588  
 Email Address: TLB@GVMINC.COM

**Exhibit A  
Pricing Page**

**Brine Dispensing System**

**RFQ#6614C003**

**Vendor should provide any documentation/product brochures regarding the Brine Dispensing System proposed, with their bid. A sample Operations and Maintenance Manual should be submitted with the Vendor's bid. A sample parts listing and/or working parts diagram should be submitted with the Vendor's bid.**

	<b>Unit Cost</b>	<b>Estimated Quantity</b>	<b>Extended Cost</b>
<b>Brine Dispensing System</b>		<b>10</b>	

**Possible Delivery Locations:**

**Delivery may be requested to other locations within the state of WV. This location will be provided on the Agency Release at the time of need.**

<b>District 1</b>	<b>Charleston</b>
<b>District 2</b>	<b>Huntington</b>
<b>District 3</b>	<b>Parkersburg</b>
<b>District 4</b>	<b>Clarksburg</b>
<b>District 5</b>	<b>Martinsburg</b>
<b>District 6</b>	<b>Wheeling</b>
<b>District 7</b>	<b>Weston</b>
<b>District 8</b>	<b>Elkins</b>
<b>District 9</b>	<b>Lewisburg</b>
<b>District 10</b>	<b>Princeton</b>



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: GVM, INC.  
Date: 8/12/2013

Signed: Thomas Bai  
Title: Vice President

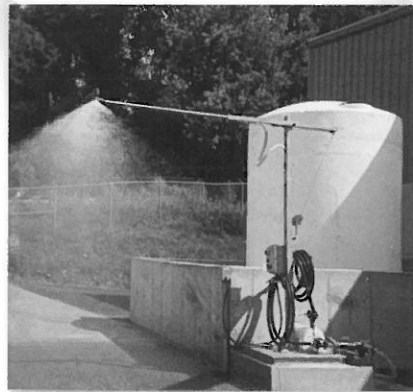




# CALCOTE PEDESTAL CP-50-RC SYSTEMS

The Calcote Pedestal, Model CP-50-RC is a multifunctional liquid deicer dispensing system. It is designed to prewet solid deicing materials by the truckload or in the front end loader bucket. In addition to these two functions, it is capable of loading and unloading truck mounted prewet tanks. The unload function allows the liquid deicer to be returned to the bulk storage tank at the end of the season or if the tank needs to be drained for maintenance. The overhead spray function is controlled either manually by buttons on the panel cover or remote control transmitters.

The system is free standing and does not require a mounting post or a fixed base for mounting. All fabricated steel components of the unit are hot dip galvanized, meeting ASTM specification A123, for corrosion protection; base, main body, and spray arm.



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374 HEIDLEBURG RD.  
BIGLERVILLE, PA 17307  
PHONE: 800-458-5123  
FAX: 717-677-4291

2373 NW ROUTE 121  
DECATUR, IL 62526  
PHONE: 800-233-4742  
FAX: 800-846-8624

4341 SANDHILL RD  
BELLEVUE, OH 44811  
PHONE: 800-377-2522  
FAX: 800-541-0755

## PHYSICAL DIMENSIONS

Pedestal Height	10' 4"
Spray Arm Height (horizontal position)	9' 4"
Spray Head (distance from pivot)	8' 6"
Pedestal Base	3' x 3' x 3.5"

## SPRAY ARM

Movement of the spray arm up and down is accomplished manually by a hand winch rated at 800 pounds. The effective height adjustment range for overhead liquid deicer application to truckloads is 11' 3" to 7' 3". Flexible PVC hose from the pump outlet to the spray arm allows for easy movement of the arm in cold temperatures encountered during winter operation. The arm is 1 1/2" galvanized steel pipe.

## SPRAY HEAD

The spray head is made of 1 1/2" sch 80 PVC and has four 1" brass spray nozzles spaced at 15" intervals. The nozzle spacing forms a rectangular spray pattern. The pattern size is controlled by a 1 1/2" poly ball valve connected to the inlet of the spray head.

## PUMP/MOTOR ASSEMBLY

The stainless steel centrifugal pump has a 2" inlet, a 1 1/2" outlet, and a rated flow of 60 gpm in typical installations. The pump is close coupled to a 2 hp, 3450 rpm, TEFC, 208-230 volt single phase motor. The pump motor assembly is housed for protection in a rotationally molded, UV stabilized polyethylene enclosure. Electrical wiring from the pump motor to the electrical control box is contained in LIQUITIGHT flexible conduit with LIQUITIGHT connectors at both ends. The assembly is mounted to the pedestal base.

## ELECTRICAL CONTROLS

All electrical controls are mounted in a fiberglass NEMA 4X weather-tight enclosure with hinged cover for easy access and lockable latch. Hinges and latch are stainless steel. The cover has a power disconnect switch, run/stop buttons for manual operation in hand position, and hand position for automatic operation with remote transmitter. The interior of the box contains a magnetic motor starter with thermal overload reset, terminal strip, relays, timers, transformer, remote control circuit board, and a power disconnect switch. The pump control timer has multiple settings. This allows for short cycles, typically 30 - 60 seconds for overhead/bucket spraying or 30 - 120 minutes for product recirculation. The electrical control box is mounted to the main body of the pedestal.

Electrical service (220 volt, 20 amp, single phase) connection to the electrical control box is to be supplied by the customer.

## PLUMBING

All plumbing components are made of materials with proven resistance to the corrosive effects of liquid deicers; PVC, polypropylene, stainless steel, and brass. Manifold style fittings are used for many connections to facilitate repair/maintenance. The truck load and unload hoses are 1" chloride resistant rubber with 1" poly valves and quick couple connectors. The truck load and unload hoses are 25' in length. Two poly three-way valves are included to allow for directional flow to the overhead spray or the truck load/unload hoses. All hose clamps used are stainless steel.

## OPTIONAL COMPONENTS

**Tank Plumbing Package—Tank to Dispensing System:** Includes 2" stainless steel tank shutoff valve, 15' of 2" flexible PVC hose with fittings, from tank to pump suction, 2" poly three-way ball valve with truck fill quick couple for filling bulk storage tank from bulk delivery truck, stainless steel hose clamps, and poly hose barb fittings. Included also is a 1" x 10' hose with fittings, coupling, & valve for connection of unloading hose to storage tank.

**Electric Ball Valve:** Required when the storage tank height exceeds 10'. This prevents siphoning through the system when the storage tank level exceeds the spray bar height. The valve automatically opens when the pump system is activated and closes when the pump shuts off.

**CP-50-RC-LA—Linear Actuator (LA):** This enables the overhead arm to move up and down mechanically, controlled by a two-button transmitter, to accommodate various size trucks with one pump time cycle.

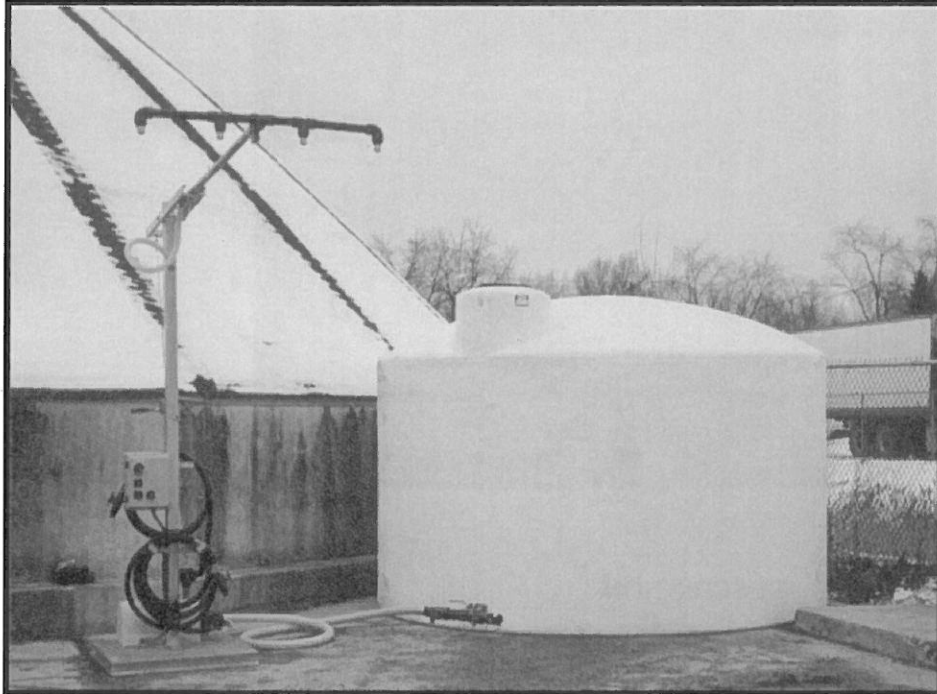
**CP-50-RC-LA-AUTO—Automatic System (A):** This enables the arm to move up and down mechanically, controlled by a three-button transmitter, to accommodate various size trucks with two pump time cycles.

**Night Light (175 watt with photocell)** for safer night time operations.





# ASSEMBLY CP-50-RC PARTS & ASSEMBLY GUIDE SPRAY ARM



*Manufacturers of Liquid Dispensing Systems*

374 Heidlersburg Rd P. O. Box 358 Biglerville, PA. 17307 • 800-458-5123 • Fax 717-677-4291

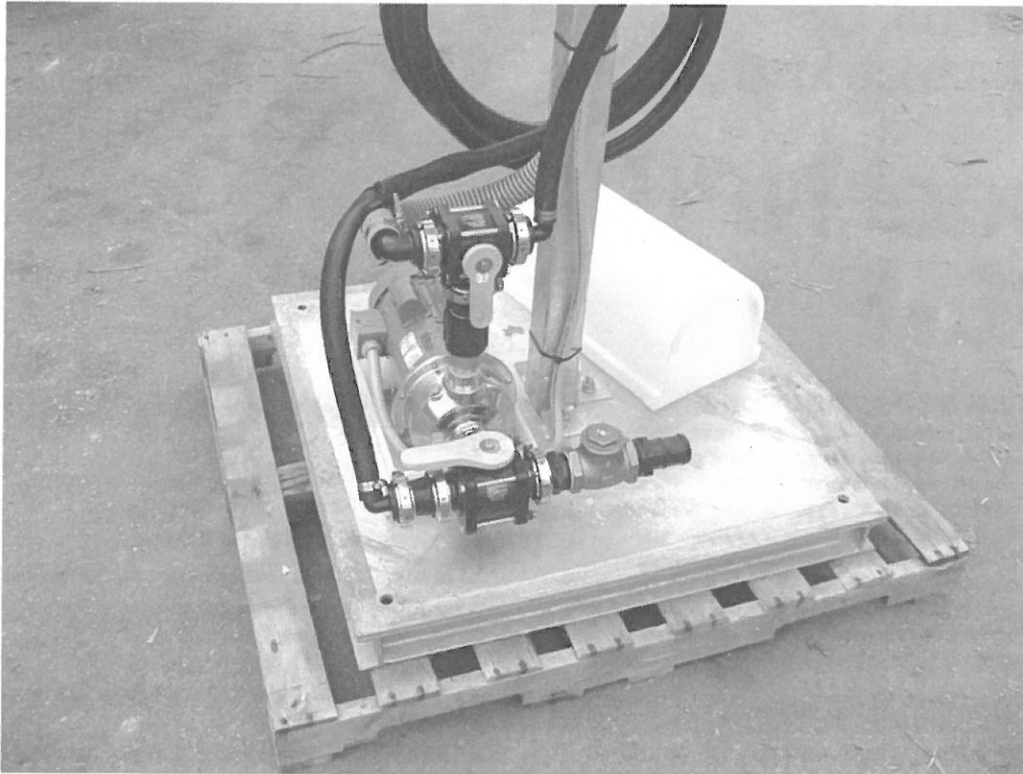
# STAND AND HARDWARE



	PART#	DESCRIPTION	QTY.
1.	54-00021	WELD SPRAY ARM BASE	1
2.	54-00022	WELD SPRAY ARM POST	1
	X5C1220G	BOLT HD1/2" X 2" G5 HDG (A)	3
	XNC12G	NUT HEX 1/2" HDG (A)	3
	FWA12G	FW 1/2" GALV	6
	LWM12G	LW 1/2" HD GALV	3
3.	54-00024	WELDMENT POST BOOM	1
	X5C5870Z	BOLT 5/8" X 7" C	1
	WFU58Z	FW PLTD 5/8" (A)	2
	ESN21NE101	LOCK NUT NYLON 5/8" (A)	1
4.	54-00025	WELDMENT CORD HOLDER	2
	NAT243-485	U-BOLT SQ 3" X 3/8" 7"	4
	LWM838Z	LW PLTD 3/8" (A)	8
	XNC38Z	NUT 3/8" C (A)	8
5.	56-00101	PIPE BOOM POST	1
	H200-U	U-BOLT MUFFLER CLAMP 2"HD SS	2
	1XNC38	NUT C SS 3/8"	4
	1LWM38	LW SS 3/8"	4
6.	54-00023	WELD POST WINCH MNT	1
7.	52-00249	SPRAY BAR CP ASSY	1
8.	6Z001	HAND WINCH 900 LB.	1
9.	4KH21	STRAP 2" X 20' FOR 6Z001	1
	2G790	SHACKLE 3/4 TON	1
10.	CP100	COVER PUMP CP	1
11.	97535K3	CAP SQUARE POST 3"	1



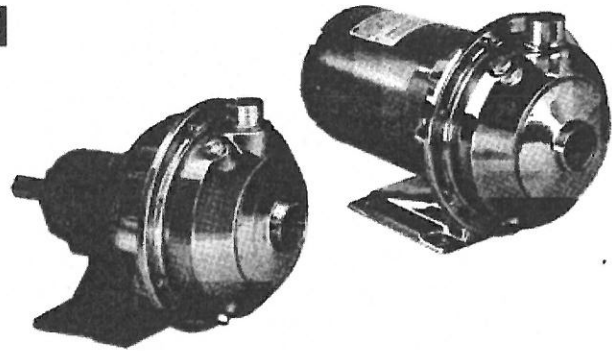
# PUMP AND PLUMBING



PART#	DESCRIPTION	QTY.
1.	3MS1G4CO PUMP/MOTOR 2HP	1
2.	M220MPTSS FLANGE 2" FP X 2" MT SS	1
3.	FC220 CLAMP 2" HD	3
4.	MV220SL VALVE SIDE LOAD 2" FP	1
5.	200G GASKET 2" EPDM	3
SUCTION FROM TANK		
6.	M220MPT FLANGE 2" FP X 2" MT	1
7.	T-413-B-2 CHECK VALVE 2" BRONZE	1
8.	HB200 HOSE BARB 2" PP	1
SUCTION FROM HOSE		
9.	M200150BRB90 FLANGE 2" X 1 1/2" HB	1
10.	M220200CPG FLANGE 2" FP X 2" STD PORT	1
PRESSURE TO VALVE		
11.	NIP150-3-SS NIPPLE 1 1/2" X 3" SS	1
12.	CPLG150 COUPLING 1 1/2" PP	1
13.	M200150MPT FLANGE 2" X 1 1/2" MNPT	1
14.	MV200SL VALVE MANIFOLD 2" SIDE	1
15.	150G GASKET 1 1/2" EPDM	4
16.	FC200 CLAMP FLANGE 2"	4
PRESSURE TO HOSE		
17.	M200100BRB90 FLANGE 2" X 1" HB	1
PRESSURE TO BOOM		
18.	M200150BRB90 FLANGE 2" X 1 1/2" HB	1

## Installation, Operation and Maintenance Instructions

# Model NPE/ NPE-F



### DESCRIPTION & SPECIFICATIONS:

The Models NPE (close-coupled) and NPE-F (frame-mounted) are end suction, single stage centrifugal pumps for general liquid transfer service, booster applications, etc. Liquid-end construction is all AISI Type 304 stainless steel, stamped and welded. Impellers are fully enclosed, non-trimable to intermediate diameters. Casings are fitted with a diffuser for efficiency and for negligible radial shaft loading.

Close-coupled units have NEMA 48J or 56J motors with C-face mounting and threaded shaft extension. Frame-mounted units can be coupled to motors through a spacer coupling, or belt driven.

#### 1. Important:

**1.1.** Inspect unit for damage. Report any damage to carrier/dealer immediately.

**1.2.** Electrical supply must be a separate branch circuit with fuses or circuit breakers, wire sizes, etc., per National and Local electrical codes. Install an all-leg disconnect switch near pump.

#### CAUTION

Always disconnect electrical power when handling pump or controls.

**1.3.** Motors must be wired for proper voltage. Motor wiring diagram is on motor nameplate. Wire size must limit maximum voltage drop to 10% of nameplate voltage at motor terminals, or motor life and pump performance will be lowered.

**1.4.** Always use horsepower-rated switches, contactor and starters.

#### 1.5. Motor Protection

**1.5.1. Single-phase:** Thermal protection for single-phase units is sometimes built in (check nameplate). If no built-in protection is provided, use a contactor with a proper overload. Fusing is permissible.

**1.5.2. Three-phase:** Provide three-leg protection with properly sized magnetic starter and thermal overloads.

#### 1.6. Maximum Operating Limits:

Liquid Temperature: 212 F (100 C) with standard seal.  
250 F (120 C) with optional high temp seal.

Pressure: 75 PSI.  
Starts Per Hour: 20, evenly distributed.

**1.7.** Regular inspection and maintenance will increase service life. Base schedule on operating time. Refer to Section 8.

### 2. Installation:

#### 2.1. General

**2.1.1.** Locate pump as near liquid source as possible (below level of liquid for automatic operation).

**2.1.2.** Protect from freezing or flooding.

**2.1.3.** Allow adequate space for servicing and ventilation.

**2.1.4.** All piping must be supported independently of the pump, and must "line-up" naturally.

#### CAUTION

Never draw piping into place by forcing the pump suction and discharge connections.

**2.1.5.** Avoid unnecessary fittings. Select sizes to keep friction losses to a minimum.

#### 2.2. Close-Coupled Units:

**2.2.1.** Units may be installed horizontally, inclined or vertically.

#### CAUTION

Do not install with motor below pump. Any leakage or condensation will affect the motor.

**2.2.2.** Foundation must be flat and substantial to eliminate strain when tightening bolts. Use rubber mounts to minimize noise and vibration.

**2.2.3.** Tighten motor hold-down bolts before connecting piping to pump.

#### 2.3. Frame-Mounted Units:

**2.3.1.** Bedplate must be grouted to a foundation with solid footing. Refer to Fig. 1.

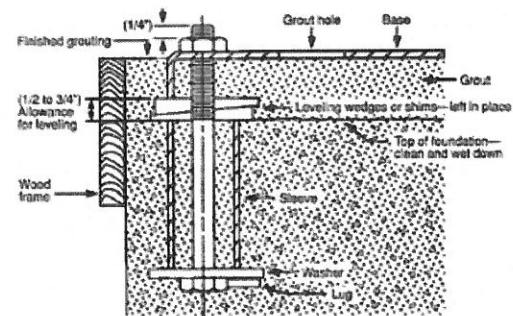


Figure 1



2.3.2. Place unit in position on wedges located at four points (two below approximate center of driver and two below approximate center of pump). Adjust wedges to level unit. Level or plumb suction and discharge flanges.

2.3.3. Make sure bedplate is not distorted and final coupling alignment can be made within the limits of movement of motor and by shimming, if necessary.

2.3.4. Tighten foundation bolts finger tight and build dam around foundation. Pour grout under bedplate making sure the areas under pump and motor feet are filled solid. Allow grout to harden 48 hours before fully tightening foundation bolts.

2.3.5. Tighten pump and motor hold-down bolts before connecting the piping to pump.

### 3. Suction Piping:

3.1. Low static suction lift and short, direct, suction piping is desired. For suction lift over 10 feet and liquid temperatures over 120 F, consult pump performance curve for Net Positive Suction Head Required.

3.2. Suction pipe must be at least as large as the suction connection of the pump. Smaller size will degrade performance.

3.3. If larger pipe is required, an eccentric pipe reducer (with straight side up) must be installed at the pump.

3.4. Installation with pump below source of supply:

3.4.1. Install full flow isolation valve in piping for inspection and maintenance.

#### CAUTION

Do not use suction isolation valve to throttle pump.

3.5. Installation with pump above source of supply:

3.5.1. Avoid air pockets. No part of piping should be higher than pump suction connection. Slope piping upward from liquid source.

3.5.2. All joints must be airtight.

3.5.3. Foot valve to be used only if necessary for priming, or to hold prime on intermittent service.

3.5.4. Suction strainer open area must be at least triple the pipe area.

3.6. Size of inlet from liquid source, and minimum submergence over inlet, must be sufficient to prevent air entering pump through vortexing. See Figs. 2-5

3.7. Use 3-4 wraps of Teflon tape to seal threaded connections.

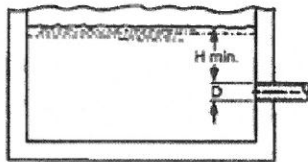


Figure 2

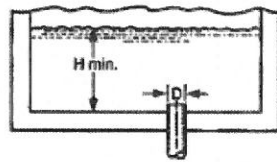


Figure 3

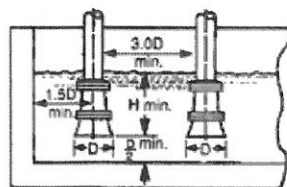


Figure 4

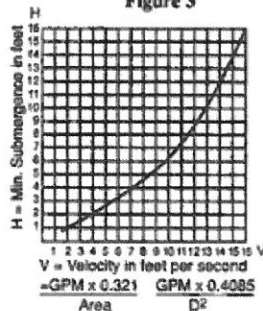


Figure 5

### 4. Discharge Piping:

4.1. Arrangement must include a check valve located between a gate valve and the pump. The gate valve is for regulation of capacity, or for inspection of the pump or check valve.

4.2. If an increaser is required, place between check valve and pump.

4.3. Use 3-4 wraps of Teflon tape to seal threaded connections.

### 5. Motor-To-Pump Shaft Alignment:

5.1. Close-Coupled Units:

5.1.1. No field alignment necessary.

5.2. Frame-Mounted Units:

5.2.1. Even though the pump-motor unit may have a factory alignment, this could be disturbed in transit and must be checked prior to running. See Fig. 6.

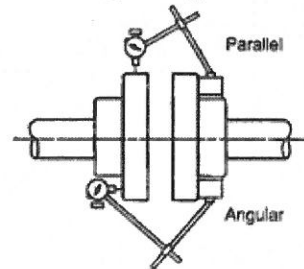


Figure 6

5.2.2. Tighten all hold-down bolts before checking the alignment.

5.2.3. If re-alignment is necessary, always move the motor. Shim as required.

5.2.4. Parallel misalignment - shafts with axis parallel but not concentric. Place dial indicator on one hub and rotate this hub 360 degrees while taking readings on the outside diameter of the other hub. Parallel alignment occurs when Total Indicator Reading is .005", or less.

5.2.5. Angular misalignment - shafts with axis concentric but not parallel. Place dial indicator on one hub and rotate this hub 360 degrees while taking readings on the face of the other hub. Angular alignment is achieved when Total Indicator Reading is .005", or less.

5.2.6. Final alignment is achieved when parallel and angular requirements are satisfied with motor hold-down bolts tight.

#### CAUTION

Always recheck both alignments after making any adjustment.

### 6. Rotation:

6.1. Correct rotation is right-hand (clockwise when viewed from the motor end). Switch power on and off quickly. Observe shaft rotation. To change rotation:

6.1.1. Single-phase motor: Non-reversible.

6.1.2. Three-phase motor: Interchange any two power supply leads.

### 7. Operation:

7.1. Before starting, pump must be primed (free of air and suction pipe full of liquid) and discharge valve partially open.

#### CAUTION

Pumped liquid provides lubrication. If pump is run dry, rotating parts will seize and mechanical seal will be damaged. Do not operate at or near zero flow. Energy imparted to the liquid is converted into heat. Liquid may flash to vapor. Rotating parts require liquid to prevent scoring or seizing.

7.2. Make complete check after unit is run under operating conditions and temperature has stabilized. Check for expansion of piping. On frame-mounted units coupling alignment may have changed due to the temperature differential between pump and motor. Recheck alignment.

## 8. Maintenance:

8.1. Close-Coupled Unit. Ball bearings are located in and are part of the motor. They are permanently lubricated. No greasing required.

### 8.2. Frame-Mounted Units:

8.2.1. Bearing frame should be regreased every 2,000 hours or 3 month interval, whichever occurs first. Use a #2 sodium or lithium based grease. Fill until grease comes out of relief fittings, or lip seals, then wipe off excess.

8.2.2. Follow motor and coupling manufacturers' lubrication instructions.

8.2.3. Alignment must be rechecked after any maintenance work involving any disturbance of the unit.

## 9. Disassembly:

Complete disassembly of the unit will be described. Proceed only as far as required to perform the maintenance work needed.

9.1. Turn off power.

9.2. Drain system. Flush if necessary.

9.3. Close-Coupled Units: Remove motor hold-down bolts.

Frame-Mounted Units: Remove coupling, spacer, coupling guard and frame hold-down bolts.

### 9.4. Disassembly of Liquid End:

9.4.1. Remove casing bolts (370).

9.4.2. Remove back pull-out assembly from casing (100).

9.4.3. Remove impeller locknut (304).

#### CAUTION

Do not insert screwdriver between impeller vanes to prevent rotation of close-coupled units. Remove cap at opposite end of motor. A screwdriver slot or a pair of flats will be exposed. Using them will prevent impeller damage.

9.4.4. Remove impeller (101) by turning counter-clockwise when looking at the front of the pump. Protect hand with rag or glove.

#### CAUTION

Failure to remove the impeller in a counter-clockwise direction may damage threading on the impeller, shaft or both.

9.4.5. With two pry bars 180 degrees apart and inserted between the seal housing (184) and the motor adapter (108), carefully separate the two parts. The mechanical seal rotary unit (383) should come off the shaft with the seal housing.

9.4.6. Push out the mechanical seal stationary seat from the motor side of the seal housing.

### 9.5. Disassembly of Bearing Frame:

9.5.1. Remove bearing cover (109).

9.5.2. Remove shaft assembly from frame (228).

9.5.3. Remove lip seals (138 & 139) from bearing frame and bearing cover if worn and are being replaced.

9.5.5. Use bearing puller or arbor press to remove ball bearings (112 & 168).

## 10. Reassembly:

10.1. All parts should be cleaned before assembly.

10.2. Refer to parts list to identify required replacement items. Specify pump index or catalog number when ordering parts.

10.3. Reassembly is the reverse of disassembly.

10.4. Observe the following when reassembling the bearing frame:

10.4.1. Replace lip seals if worn or damaged.

10.4.2. Replace ball bearings if loose, rough or noisy when rotated.

10.4.3. Check shaft for runout. Maximum permissible is .002" T.I.R.

10.5. Observe the following when reassembling the liquid-end:

10.5.1. All mechanical seal components must be in good condition or leakage may result. Replacement of complete seal assembly, whenever seal has been removed, is good standard practice.

It is permissible to use a light lubricant, such as glycerin, to facilitate assembly. Do not contaminate the mechanical seal faces with lubricant.

10.5.2. Inspect casing O-ring (513) and replace if damaged. This O-ring may be lubricated with petroleum jelly to ease assembly.

10.5.3. Inspect guidevane O-ring (349) and replace if worn.

#### CAUTION

Do not lubricate guidevane O-ring (349). Insure it is not pinched by the impeller on reassembly.

10.6. Check reassembled unit for binding. Correct as required.

10.7. Tighten casing bolts in a star pattern to prevent O-ring binding.

## 11. Trouble Shooting Chart:

### MOTOR NOT RUNNING

(See causes 1 thru 6)

### LITTLE OR NO LIQUID DELIVERED:

(See causes 7 thru 17)

### POWER CONSUMPTION TOO HIGH:

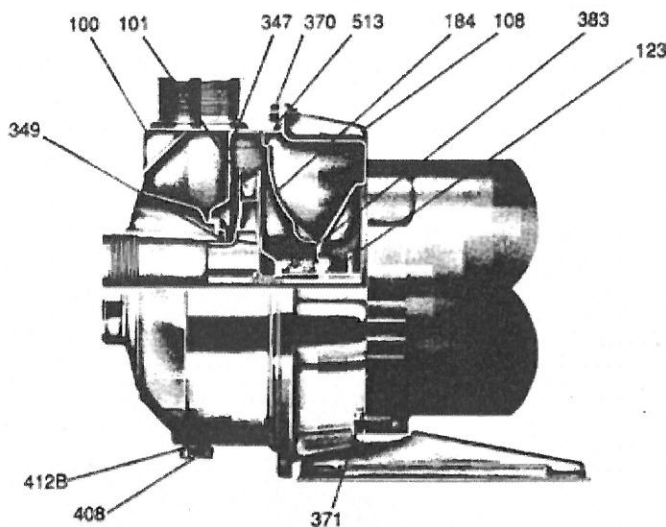
(See causes 4, 17, 18, 19, 22)

### EXCESSIVE NOISE AND VIBRATION:

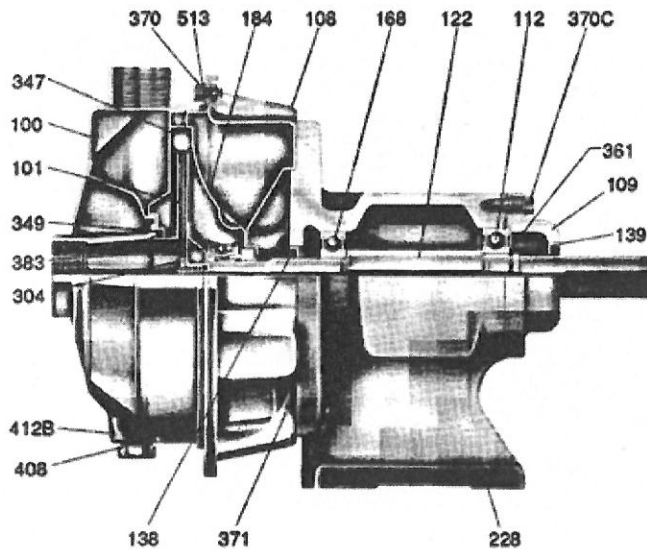
(See causes 4, 6, 9, 13, 15, 16, 18, 20, 21, 22)

### PROBABLE CAUSE:

1. Tripped thermal protector
2. Open circuit breaker
3. Blown fuse
4. Rotating parts binding
5. Motor wired improperly
6. Defective motor
7. Not primed
8. Discharge plugged or valve closed
9. Incorrect rotation
10. Foot valve too small, suction not submerged, inlet screen plugged.
11. Low voltage
12. Phase loss (3-phase only)
13. Air or gasses in liquid
14. System head too high
15. NPSHA too low:  
Suction lift too high or suction losses excessive. Check with vacuum gauge.
16. Impeller worn or plugged
17. Incorrect impeller diameter
18. Head too low causing excessive flow rate
19. Viscosity or specific gravity too high
20. Worn bearings
21. Pump or piping loose
22. Pump and motor misaligned



NPE



NPE-F

Liquid End Components		
Item No.	Description	Materials
100	Casing	AISI 304 Stainless Steel
101	Impeller	
184	Seal Housing	
304	Impeller Locknut	
347	Guidevane	
349	O-Ring, Guidevane	Buna-N
370	Socket Hd. Screws, Casing	AISI 304 S.S.
383	Mechanical Seal	** see chart
408	Drain & Vent Plug, Casing	AISI 304 S.S.
412B	O-Ring, Drain & Vent Plug	Buna-N
513	O-Ring, Casing	Buna-N
Power End Components		
108	Adapter	AISI 304 S.S.
109	Bearing Cover	Cast Iron
112	Ball Bearing (Outboard)	Steel
122	Shaft	AISI 303 S.S.
138	Lip Seal (Inboard)	Buna/Steel
139	Lip Seal (Outboard)	Buna/Steel
168	Ball Bearing (Inboard)	Steel
228	Bearing Frame	Cast Iron
361	Snap Ring	Steel
370C	Hex. Hd. Cap Screw, Brg. Cvr.	Plated Steel
371	Hex. Hd. Cap Screw, Adapter	Plated Steel

**Mechanical Seals-Item 383						
Part No.	Service	Rotary	Stationary	Elastomer	Metal Parts	Crane Type
10K46	Standard	Carbon	Ceramic	Buna	18-8 S.S.	21
10K18	Option-High Temp.		Ni-Resist	EPR		
10K24	Option-Chemical Duty		Ceramic	Viton		
10K55	Option-High Temp.		Tungsten			
10K29	Option-Severe Duty		Silicon Carbon	Buna		

**LIMITED WARRANTY**

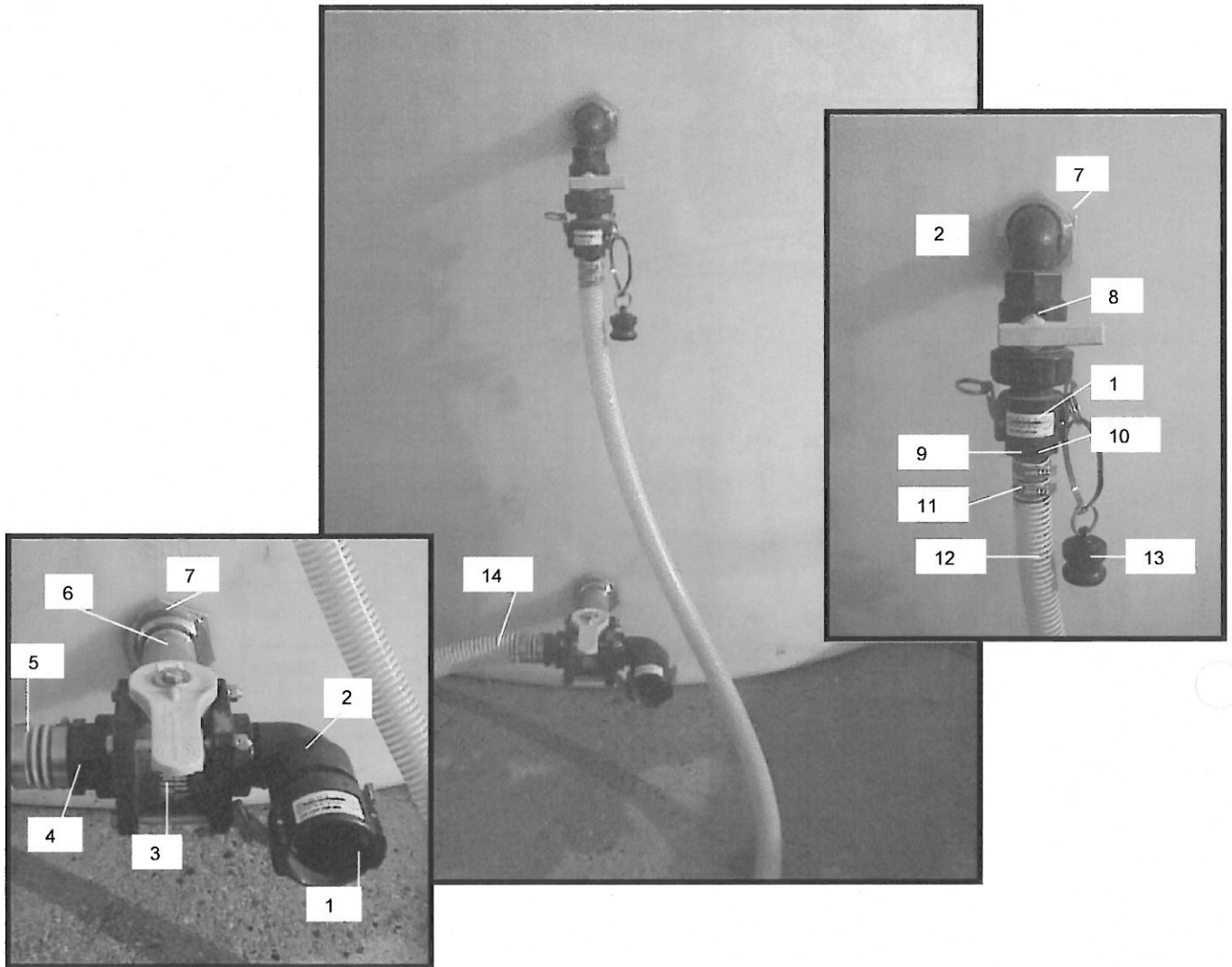
This warranty applies to all pumps and related accessories manufactured and/or supplied by Goulds Pumps, Inc. - Water Systems Division.

Any part or parts found to be defective within the warranty period shall be replaced at no charge to the buyer or any subsequent owner during the warranty period. The warranty period shall exist for twelve (12) months from date of installation, or eighteen (18) months from date of manufacture, whichever expires first.

A consumer who believes that a warranty claim exists must contact the authorized dealer from whom the equipment was originally purchased and furnish complete details regarding the claim. The dealer is authorized to adjust any warranty claim utilizing Goulds Customer Relations Department and its distributor organization.

This warranty excludes: (a) Labor, transportation and related costs incurred by the consumer to make the allegedly defective equipment available to the dealer for inspection. (b) Re-installation costs of repaired equipment. (c) Re-installation costs of replacement equipment. (d) Consequential damages of any kind. (e) Reimbursement for loss caused by interruption of service.

# TANK PLUMBING



<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1.	200B	2
2.	SL200-90	2
3.	V200SL	1
4.	HB200	1
5.	MYCH-24SS	2
6.	NIP200-6-SS	1
7.	BFC200SS	2
8.	UV200FPP	1
9.	200A	1
10.	RB200-150	1
11.	HB150	1
12.	PVC150	15 FT
13.	200PL	1
14.	PVC200	10 FT

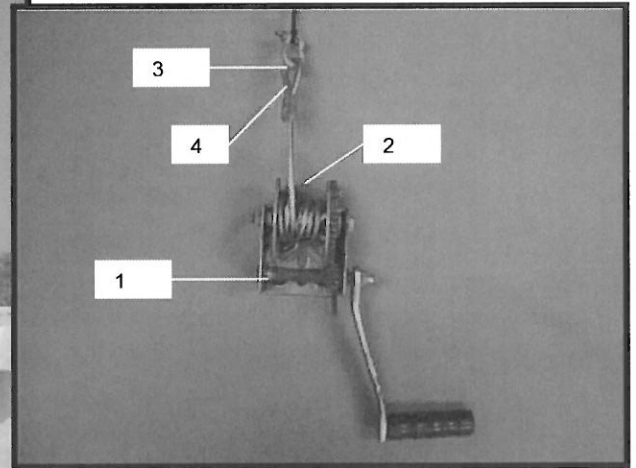
# SPRAY BAR ASSEMBLY



	PART#	DESCRIPTION	QTY.
1.	UV150FP	VALVE 1 1/2" SINGLE UNION	1
2.	TEE150-PVC	TEE 1 1/2" PVC SCH80 THREADED	3
3.	EL150-90	ELBOW 1 1/2" PP	2
4.	NIP150-SH	NIPPLE 1 1/2" X CL PP	5
5.	1-1/2H-290WSQ	FULLJET NOZZLE 1 1/2" BR	4
6.	M420	PIPE PVC 1 1/2" SCH80 2 1/2"	2
7.	M420	PIPE PVC 1 1/2" SCH80 12"	2



# WINCH ASSEMBLY



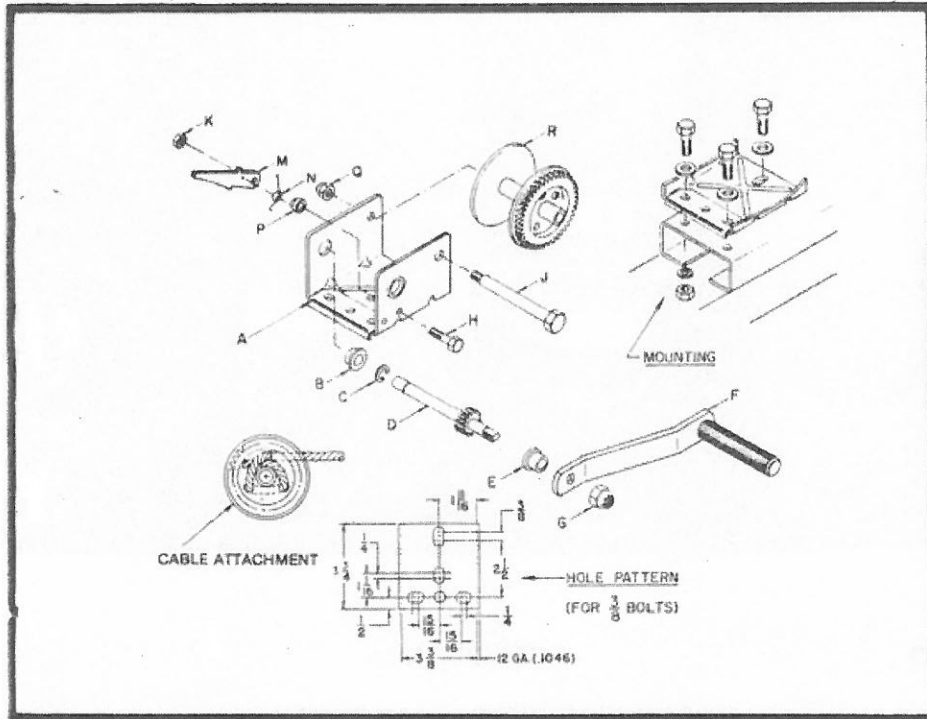
	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1.	6Z001	HAND WINCH 900 LB.	1
2.	3/16SSCABLE	CABLE 3/16" DIA SS	7'
3.	3/16THIMBLE	THIMBLE 3/16" SS	1
4.	2G790	SHACKLE 3/4 TON	1



# WINCH ASSEMBLY

## DL 900 WINCH

## ILLUSTRATION/SPECS/ PARTS/OPERATION



Ref. Lat.	Description	Part No.
A	Winch Base	304288
B	Shaft Bushing	204006
C	E-Ring	205012
D	Drive Shaft	304006
E	Shaft Bushing	204007
F	Winch Handle	304016
G	Handle Nut	205015
H	Ratchet Bolt	205004
J	Reel Shaft	204805
K	Locknut	205168
M	Ratchet Lever	404035
N	Ratchet Spring	204116
P	Ratchet Spacer	404038
Q	Locknut	204803
R	Winch Reel	304281

**HANDLE AND NUT  
MUST BE TIGHTENED  
AGAINST DRIVE  
SHAFT SHOULDER  
BEFORE OPERATING  
WINCH.**

### SPECIFICATIONS

A high quality, multi-purpose winch. Frame is one-piece design with oilite shaft bearings, single-action ratchet, plastic handle grip, copper-brazed gear construction, welded reel. Baked enamel or plated finish. Single ratchet, 3.2:1 gear ratio. Load capacity—800 lbs. Reel capacity—3/16" dia. cable, 45 ft.

### LUBRICATION

This winch has been fully lubricated at the factory, but for continued smooth performance and increased life, occasional greasing of gears and reel shafts and an occasional drop of oil on drive shaft bearings is recommended.

### MOUNTING

For increased strength and safety, this winch should be mounted with three 3/8" bolts, washers, and lock washers as shown in the drawing.

### NOTE

The winch finish can be protected and will provide longer service if it is periodically washed with water and then wiped with light oil or wax.

### OPERATING INSTRUCTIONS

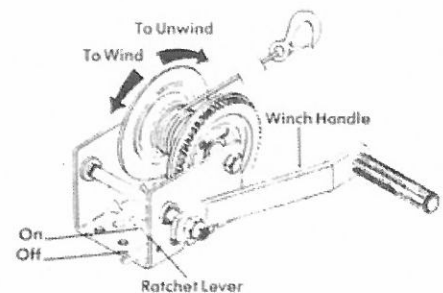
Wind cable or rope on winch reel drum by turning winch handle in clockwise direction with ratchet lever in "off" position. Place ratchet lever in "on" or up position to lock. See illustration. To unwind or "reel out" cable or rope, turn winch handle in counter-clockwise direction with ratchet lever in "off" or down position. Again, place ratchet lever in "on" position to lock. **Important: Ratchet lever should always be placed in "on", or locked position before winch handle is released. Do not attempt to use ratchet mechanism to retard free-wheeling action of winch while "reeling out" cable or rope.**

**WARNING:** Never exceed rated winch load! Excess load may cause premature failure and could result in serious personal injury. This winch is rated at 800 pounds with three layers of cable on a 3/4" Hub. Using more layers of cable increases the load on the winch.

**CAUTION:** Never apply load to winch with cable fully extended. Keep at least three full turns of cable on the reel. **SECURE LOAD PROPERLY. WHEN WINCHING OPERATION IS COMPLETE, DO NOT DEPEND ON WINCH TO SUPPORT LOAD.**

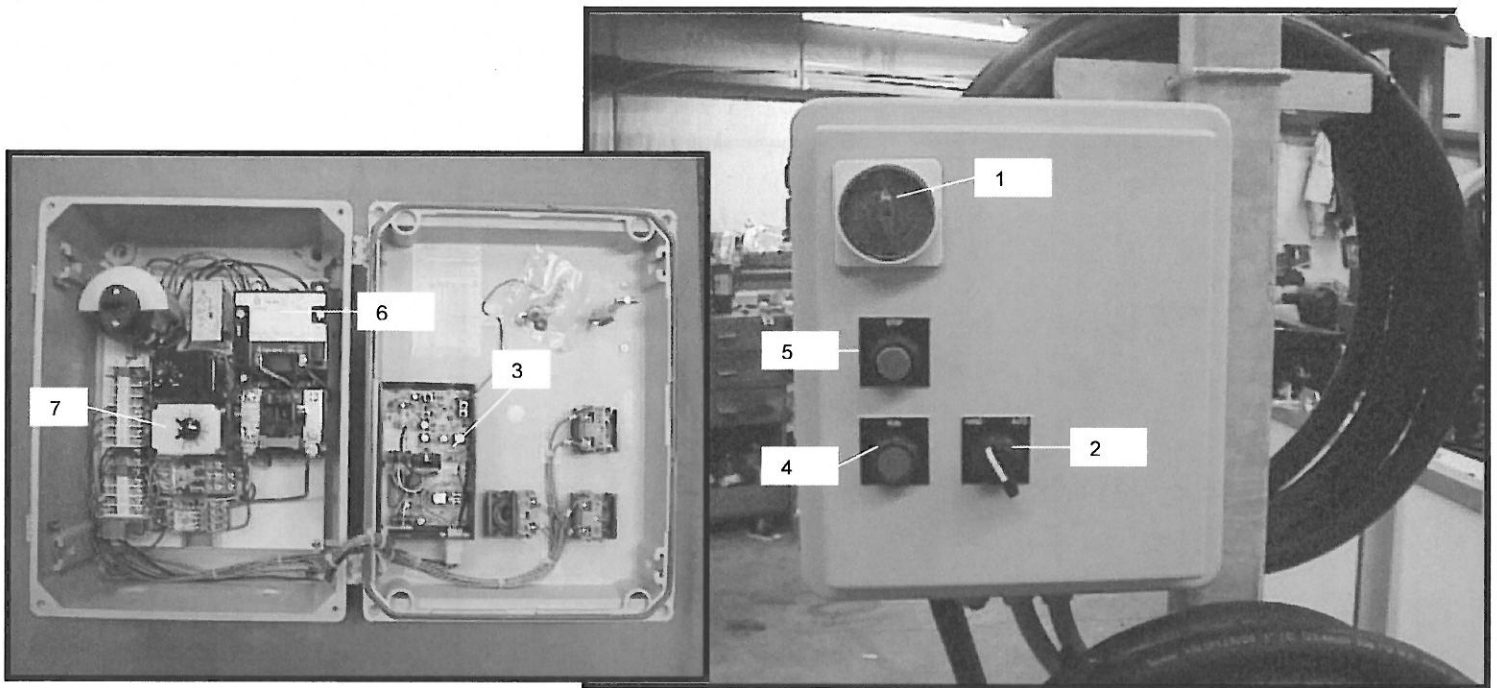
**This winch is not recommended for scaffolding or any other applications in which persons may be positioned on or under the load at any time. See other side for warranty.**

**NOT FOR MOVEMENT OF HUMAN BEINGS**



MANUFACTURED BY  
**DUTTON-LAINSON COMPANY**  
HASTINGS, NEBRASKA 68901

# ELECTRICAL CONTROLS



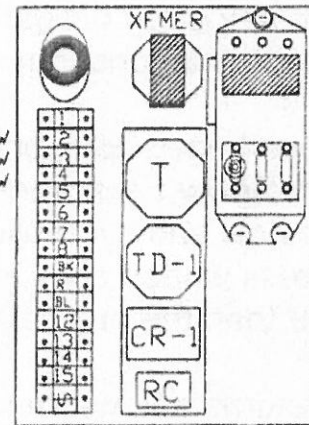
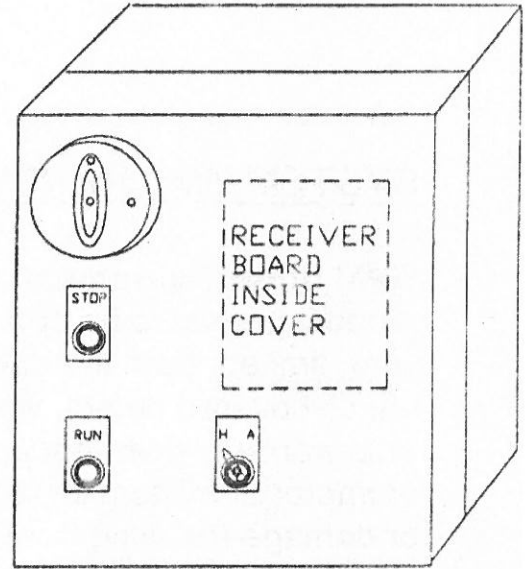
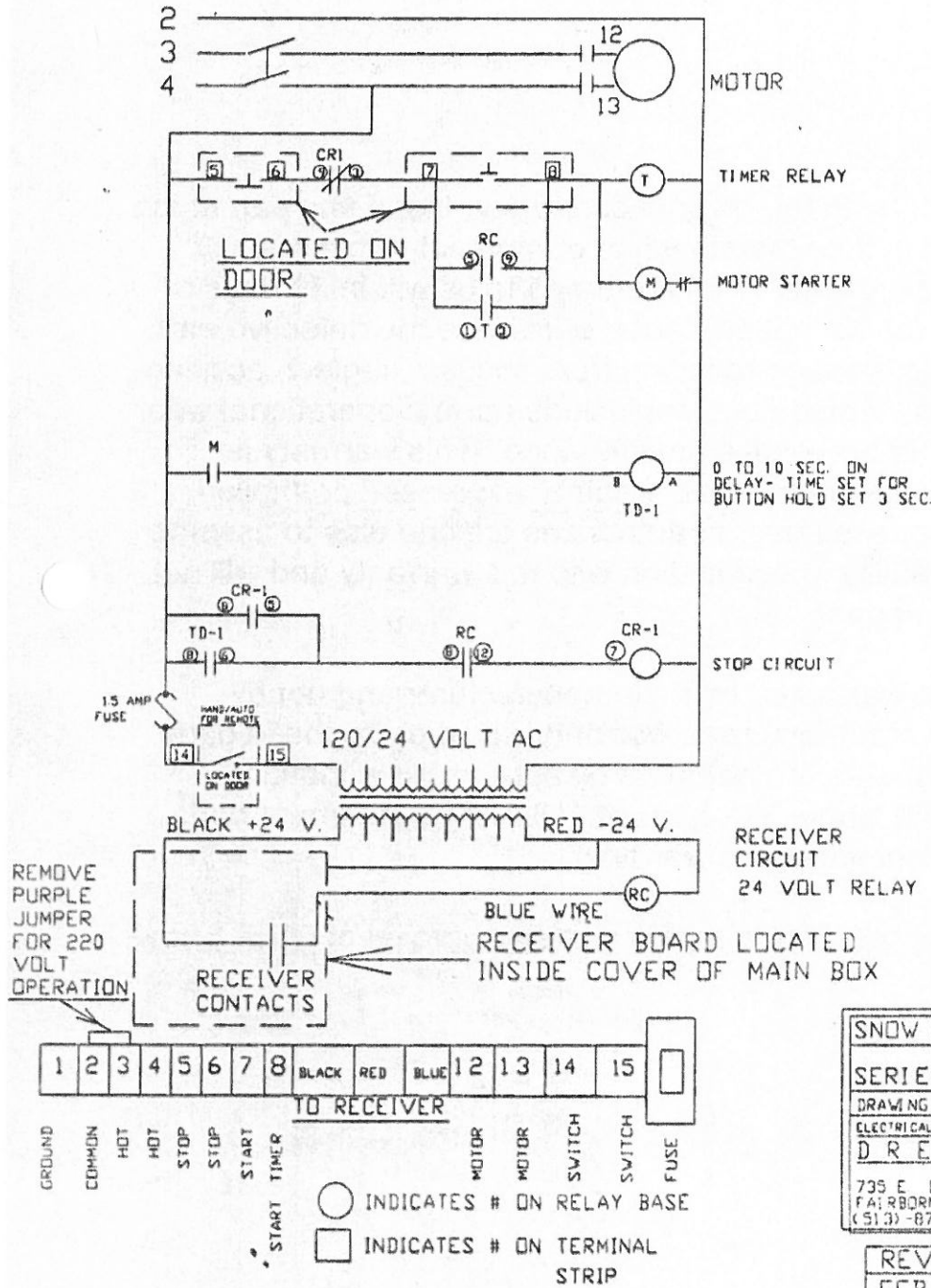
	PART NO.	DESCRIPTION	QTY
1.	6A616	DISCONNECT SWITCH (FOR CP-101)	1
2.	SS02-SHWE-NO	SWITCH 2 POSITION MAINTAINED	1
3.	ODR3	RECEIVER BOARD 390 MHZ CP SYS	1
4.	ELEC-RUN/ASM-OO	RUN BUTTON ASSEMBLY COMPLETE	1
5.	ELEC-STP/ASM-OO	STOP BUTTON ASSEMBLY COMPLETE	1
6.	1H490	STARTER SQ-D MAGNETIC MOTOR	1
7.	BR45A6	TIMER 0-60 SEC EAGLE	1

# SNOW EQUIPMENT SALES, INC.

P. O. BOX 294  
 DAYTON, OHIO 45404  
 PHONE (513) 224-0902

CALCIUM CHLORIDE PUMP CONTROL  
 WITH 220 VOLT FEED  
 WITH HAND/AUTO CONTROL FOR RECEIVER

Main control box with main disconnect, auto/manual selector switch, run/stop buttons, auto controlled by RC activators, 0-60 second timer in box.



SNOW EQUIPMENT SALES, INC.

SERIES #CP50RC

P. O. BOX 294  
 DAYTON, OH 45404  
 PHONE (513) 224-0902

DRAWING # 013

ELECTRICAL DRAWINGS BY  
 D R ELECTRIC INC \ E A V \ CAD PRINTS

735 E DAYTON DRIVE  
 FAIRBORN, OHIO  
 (513) 878-2050

REVISED
FEB. 3, 1996
NOV. 7, 1996

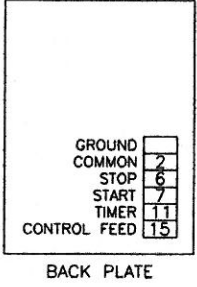
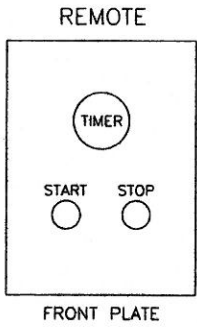
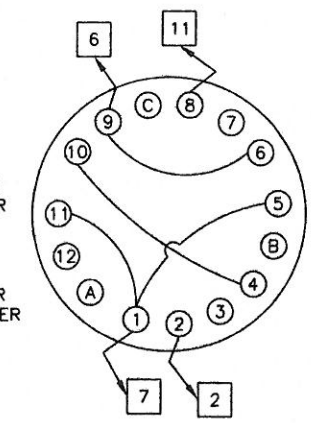
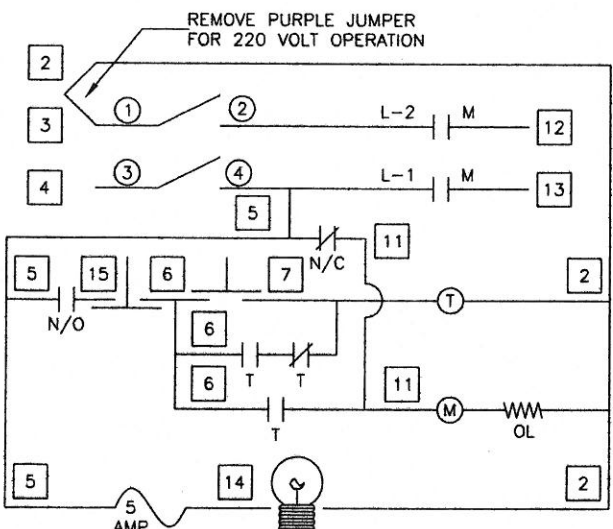
# WARRANTY

## SYSTEM WARRANTY

**GVM Snow Equipment** warrants, to the original purchaser, that if any part of the product proves to be defective in the workmanship or material within one (1) year, limited, from the date of purchase, and is returned to us within 30 days or the discovered defect, we will (at our option) repair or replace the defective part. This warranty does not apply to damage resulting from misuse, neglect, accident, or improper system installation. It also does not include normal operational wear or damage resulting from lack of preventive maintenance. This warranty is exclusive and supersedes all other warranties, whether expressed or implied. **GVM Snow Equipment** neither assumes, or authorizes anyone else to assume for it, any other obligation or liability in connection with this warranty and will not be liable for consequential damages.

All purchased components are warranted by their manufacturer and not by **GVM Snow Equipment**. The manufacturer's warranty will apply to these parts. Electrical and hydraulic components are not to be disassembled without the express written consent of **GVM Snow Equipment**. Use of replacement parts other than the original equipment voids this warranty.

All returns and warranty claims must have a prior written approval of **GVM Snow Equipment**.



1	2	3	4	5	6	7	11	12	13	14	15
COMMON	HOT	HOT	CONTROL POWER	STOP	START	FROM TIMER	MOTOR	MOTOR	LIGHT	CONTROL FEED	

SNOW EQUIPMENT SALES, INC.

TITLE: CALCIUM CHLORIDE PUMP CONTROL

NO. CP-101

CREATED DATE: MAR. 10, 2002

ELECTRICAL DRAWINGS BY: D.R. ELECTRIC INC. 735 EAST DAYTON DRIVE P.O. BOX 1818 FAIRBORN, OHIO 45324 (937) 878-2050

DESIGNED BY: J.A.R. P.E.R.

PERSON DWG: MAR. 12, 2008

P.O. BOX 294 DAYTON, OHIO 45404 (937) 224-0902

# NOTES



# ORDER FORM

**Snow Equipment Sales**

374 Heidlersberg Rd.  
 Biglerville, PA 17307  
 800-848-8460  
 717-677-6197  
 Fax # 717-677-4291

Bill To: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Fax # \_\_\_\_\_  
 Date Order \_\_\_\_\_

Ship To: \_\_\_\_\_  
 \_\_\_\_\_

Needed By Date \_\_\_\_\_

Item	Qty	Part Number	Description	Unit Price	Total Price
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

**Shipping And Payment Method ( Required )**

Shipping Method \_\_\_\_\_ Total \_\_\_\_\_

- Invoice Our Account      P.O. No \_\_\_\_\_
- Payment Method ( check one )

VISA \_\_\_\_\_

MasterCard \_\_\_\_\_

Account Number # \_\_\_\_\_

Expiration Date ( Required ) \_\_\_\_\_

Signature \_\_\_\_\_

RFQ No. 6614C003

STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

**MANDATE:** Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

**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.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"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 exceed five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: GVM, Inc.

Authorized Signature: Thomas Bair Date: 8/12/2013

State of Pennsylvania

County of Adams, to-wit: Thomas Bair

Taken, subscribed, and sworn to before me this 12 day of August, 2013

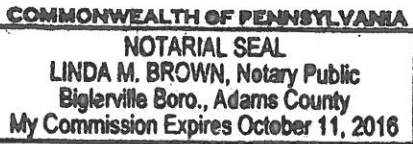
My Commission expires 10-11, 2016

AFFIX SEAL HERE

NOTARY PUBLIC

Linda M. Brown

*Purchasing Affidavit (Revised 07/01/2012)*



**NOTE:**

Vendor and Notary's date must be the same.

Notary required to AFFIX SEAL on Purchasing Affidavit.