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Bug Blaster Operation, Maintenance, & Technical Manual

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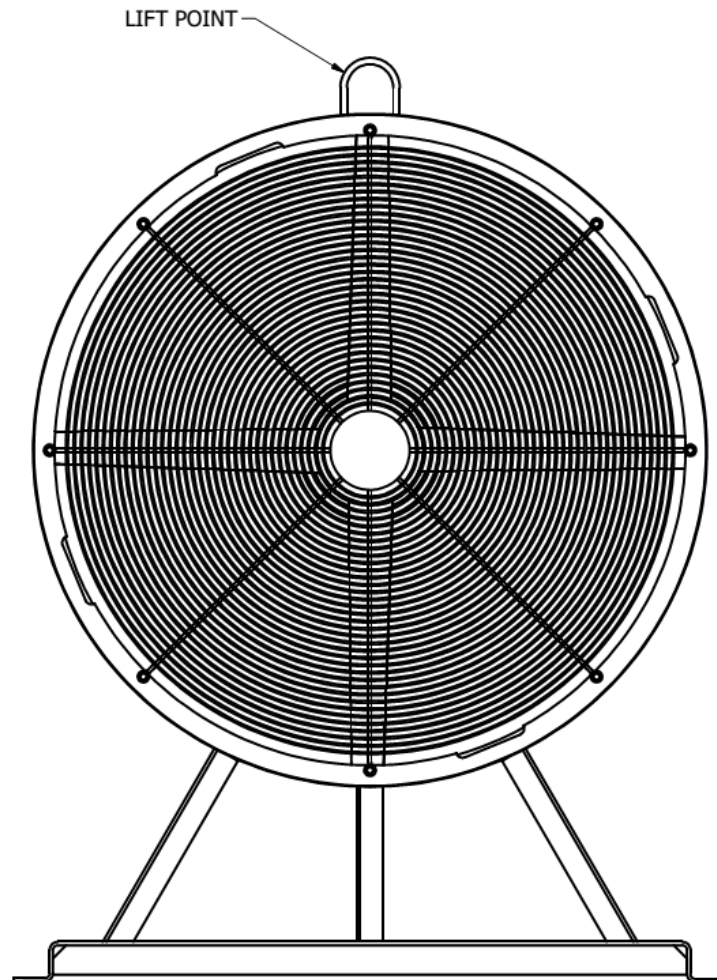
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1.0 Safety

General safety rules and warnings

This manual contains important information concerning installation, operation, and proper maintenance of your Process Solutions Bug Blaster. To prevent injury to personnel or equipment damage, this manual should be read by those responsible for the installation and operation of the PSI Bug Blaster. In addition, the safety precautions below should be followed at all times.

1. Always lock-out and isolate power sources before performing any maintenance.
2. Inspect equipment for damages, loose fittings, safety guards (if applicable), and proper installation.
3. Wear proper PPE based on your companies Personal Protective Equipment and Safety procedures.
4. When lifting equipment, ensure proper lift points are used. Use properly rated slings that are capable of handling the equipment.



2.0 Warranty

Warranty Terms and Conditions

The MAX2000®, MAKDADDY®, and Vak® name are registered trade names of Kelbro, Inc dba Process Solutions International (PSI). Their use is reserved by Kelbro, Inc. dba Process Solutions International (PSI) and applicable laws. It shall not be used without permission and written authorization from Kelbro, Inc. dba Process Solutions International (PSI).

Terms of Sale

Any terms and conditions contained in any purchase order or other form of communication from PSI's customers, which are additional to or different from these terms and conditions, shall be deemed rejected by PSI unless expressly accepted in writing by PSI. In general, no modification, amendment, waiver or other change of any of these terms and conditions or attachments hereto, or of any of PSI's right or remedies thereunder, shall be binding on PSI unless expressly accepted in writing by PSI's authorized officers. No course of dealing, usage of trade or course of performance shall be relevant to explain or supplement any of these terms and conditions. If any document issued by any party hereto is sent by facsimile or another form of electronic document transmission, the parties hereto agree that (a) the copy of any such document printed on the facsimile machine or printer of the recipient thereof is a counterpart original copy thereof and is an "writing", (b) an electronically stored and reproduced copy of any such document shall be deemed to be legally sufficient evidence of the terms of such document for all purposes.

Delivery; Risk of Loss

All sales are F.O.B. PSI's plant or other point of shipment designated by PSI. Shipping dates are estimates only which are not guaranteed and are based upon prompt receipt from Buyer of all necessary shipping and other information. PSI reserves the right to make delivery in installments, all installments to be separately invoice and paid for by Buyer when due per invoice, without regard to subsequent deliveries. Delivery of equipment to a commercial carrier at PSI's plant or other loading point shall constitute delivery to Buyer, and any risk of loss and further cost and responsibility thereafter for claims, delivery, loss or damage, including, if applicable, placement and storage, shall be borne by Buyer.

When equipment is delivered by PSI's truck, unloading at Buyer's dock shall constitute delivery to Buyer. Claims for shortages or other errors in delivery must be made in writing to PSI within ten (10) days after receipt of shipment and failure to give such notice shall constitute unqualified acceptance and a waiver of all such claims by Buyer. Claims for loss or damage to equipment in transit by common carrier must be made to the carrier and not to PSI. Freight and handling charges by PSI may not reflect actual freight charges prepaid to the carrier by PSI due to incentive discounts earned by PSI based upon PSI's aggregate volume of freight tendered to a carrier or when a carrier must be used which charges a rate which is different than the rate upon which PSI's freight and handling charges were based. When shipments are delivered in PSI's private trucks, Buyer will be charged an amount approximating the prevailing common carrier rate.

Excusable Delays; Force Majeure

PSI shall not be liable for any ordinary, incidental, or consequential loss or damage as a result of PSI's delay in or failure of delivery or installation due to (i) any cause beyond PSI's reasonable control, (ii) an act of God, act of the Buyer, embargo or other government act, authority, regulation or request, fire, theft, accident, strike, slowdown, or other labor disturbance, war, riot, delay in transportation, or (iii) inability to obtain necessary labor, material, components, or facilities.

Should any of the aforementioned events of force majeure occur, PSI, at its option, may cancel Buyer's order with respect to any undelivered equipment or extend the delivery date for a period equal to the time lost because of delay. Notice of such election shall be given promptly to Buyer. In the event PSI elects to so cancel the order, PSI shall be released of and from all liability for failure to deliver the equipment, including, but not limited to, any and all claims on behalf of Buyer for lost profits, or any other claim of any nature which Buyer might have.

If shipping or progress of the work is delayed or interrupted by Buyer, directly or indirectly, Buyer shall pay PSI for all additional charges resulting therefrom.

Storage

If the equipment is not shipped within fourteen (14) days after notification has been made to Buyer that it is ready for shipping, for any reason beyond PSI's control, including Buyer's failure to give shipping instructions, PSI may store the equipment at Buyer's risk and expense in a warehouse or on PSI's premises, and Buyer shall pay all handling, transportation and storage costs at the prevailing commercial rates promptly following PSI's submission of invoices for such costs.

Warranty Period

PSI warrants the products manufactured under the Kelbro register trade name mentioned above to be free from defects in materials and workmanship and to conform to PSI written specifications for a period of 12 months from the date of manufacture.

Warranty Remedies

If, prior to expiration of the foregoing applicable warranty period, any of such products shall be proved to PSI's satisfaction to be defective or nonconforming, PSI will repair or replace such defective equipment or components thereof, F.O.B. PSI's plant or other destination designated by PSI, or will refund or provide Buyer with a credit in the amount of the purchase price paid therefore by Buyer, at PSI's sole option. Buyer's exclusive remedy and PSI's sole obligation under this warranty shall be limited to such repair or replacement, F.O.B. PSI's plant or other destination designated by PSI, or refund or credit by PSI, and shall be conditioned upon PSI's receiving written notice of any defect within a reasonable period of time (but in no event more than thirty (30) days) after it was discovered or by reasonable care should have been discovered. In no event shall PSI's liability for such defective or nonconforming products exceed the purchase price paid by Buyer therefore.

Exclusions

This warranty does not (i) cover shipping expenses to and from PSI factory or other destination designated by PSI for repair or replacement of defective equipment or any tax, duty, custom, inspection or testing fee, or any other charge of any nature related thereto, nor does it cover the cost of disassembling or removing defective equipment or reassembling, reinstalling, or testing repaired or replaced equipment or finishing the reinstallation thereof, (ii) apply and shall be void with respect to equipment operated in excess of rated capacity or otherwise not in accordance with installation, maintenance, or operating instructions or requirements, to equipment repaired or altered by others than PSI or PSI's authorized service agencies, or to equipment which was subjected to abuse, negligence, misuse, misapplication accident, damages by circumstances beyond PSI's control, to improper installation (if by others than PSI), operation, maintenance or storage, or to other than normal use or service, and (iii) apply to equipment or components not manufactured by or for PSI. With respect to equipment or components not manufactured by PSI, PSI's warranty obligations shall in all respects conform and be limited to the warranty actually extended to PSI by its suppliers, but in no event shall PSI's obligation be greater than those provided under PSI's warranty set forth in this section.

The foregoing warranties are in lieu of all other express and implied warranties (except title0, including, without limitation, the implied warranties of merchantability and fitness for a particular purpose. No employee, representative, or agent of PSI other than an officer of PSI is authorized to alter or modify any provision of this section or to make any guarantee, warranty, or representation, express or implied, orally or in writing, which is contrary to the foregoing.

Any description of the equipment, whether in writing or made orally by PSI or PSI's agents, specifications, samples, models, bulletins, drawings, diagrams, engineering sheets or similar material used in connection with Buyer's order are for the sole purpose of identifying the equipment and shall not be construed as an express warranty. Any suggestions by PSI or PSI's agents regarding use, application or suitability of the equipment shall not be construed as an express warranty unless confirmed to be such in writing by PSI's authorized officer.

Consequential Damage Disclaimer

PSI's liability with respect to equipment proved to its satisfaction to be defective within the warranty period shall be limited to repair, replacement or refund as provided hereof, and in no event shall PSI's liability exceed the purchase price of the equipment involved. Kelbro shall not be subject to any other obligations or liabilities, whether arising out of breach of contract, warranty, tort (including negligence) or other theories of law, with respect to equipment sold or services rendered by PSI, or any undertakings, act or omissions relating thereto. Without limiting the generality of the foregoing, PSI specifically disclaims any liability for property or personal injury damages, penalties, special or punitive damages, damages for lost profits or revenues, loss of use of equipment or any associated equipment, cost of capital, cost of substitute products, facilities or services, downtime, shutdown, or slowdown costs, or for any other types of economic loss, and for claims of Buyer's customer for any such damages.

PSI shall not be liable for and disclaims all consequential, incidental and contingent damages whatsoever. Even if the repair or replacement remedy shall be deemed to have failed of its essential purpose under section 2-719 of the uniform commercial code, PSI shall have no liability to Buyer for consequential damages, such as lost profits, lost revenue, damage to other equipment or liability or injury to a third party.

Indemnification by Buyer

Buyer shall indemnify, hold harmless, and defend PSI and PSI's employees and agents from and against any and all damages, liability, claims, losses and expenses (including reasonable attorneys' fees, court costs, and out-of-pocket expenses) arising out of or resulting in any way from claims by customers of Buyer or third parties against PSI alleging a breach of contract or warranty by PSI to the extent that such damages, liability claims, losses and expenses which may be payable by PSI to Buyer pursuant to the and as limited by PSI's warranty and damage obligations as contained hereof so as to effectively limit Kelbro's obligations to customers of Buyer or third parties to those set forth.

Return of Equipment

No equipment or part shall be returned to Kelbro without written authorization and shipping instructions first having been obtained from PSI under the company's Return Policy.

Return Policy:

- Client/Customer requests an RMA from Sales Department
- Sales shall issue an RMA with an assigned number along with the Product Warranty information and a quote for replacement cost.
- Client/Customer issues a Purchase Order to PSI (pending evaluation), with the RMA properly filled in.
- Product is returned back to PSI at Client/Customer's expense with all RMA documents for reference. If the product is warrantied, then the freight cost will be credited back.
- An evaluation will be conducted to determine warranty status.
- If product is not returned within 30 days of issued RMA, then an invoice will be issued regardless of warranty status.
- A copy of the evaluation is available upon request.

3.0 Startup Procedure

Check the unit to make sure fan is not being obstructed by any debris. Turn unit on by engaging the starter.

4.0 Routine Maintenance

Use proper lock-out/tag-out precautions when performing maintenance.

The bug blaster is essentially maintenance free. There are no belts or bearings to tighten or lubricate, and the electric motor is self-lubricating.

5.0 Technical Manual Contents

5.1 General Description

PSI Bug Blasters are designed to provide efficient air circulation during drilling operations. When utilized, these units will effectively disperse high gas concentrations and bugs from working areas and create a safer working environment.

5.2 General Arrangement Drawing

6.0 Parts List

7.0 Inspection and Tests

SEE ATTACHED

8.0 Certification(s)

SEE ATTACHED (if applicable)

9.0 Additional drawings, diagrams, etc.

SEE ATTACHED (if applicable)

10.0 Contact Information

Replacement parts for PSI SUPPLIED equipment can be ordered from Process Solutions International or any of their agents, worldwide. Please include the model number if possible.

To order parts or to receive technical support via telephone, contact Process Solutions International using the information listed below.

**Process Solutions International
A Division of Kelbro, Inc.
7519 Prairie Oak Drive
Houston, TX 77086
(281) 893-4774; FAX (281) 893-1027**