



# Owner's Manual Pressurized Drying System PDS-21

*Caution! Read These Instructions Before Operation and Save*



## Specifications

### Motor Specifications

- 5.7 Inch/145 mm, 2-Stage Tangential By-Pass
- 120 VAC
- 106 inches of Vacuum
- Over 2600 LPM
- 1200 Watts
- 9.3 amps
- Double ball bearing construction
- UL Recognized, Category PRGY8

### Other Specifications

- Thermal protection in case of overheating due to blocked intake.
- PVC (Vinyl) Tubing 3/8 inch ID X 1/2 inch OD
- Hose Barb Adapter 3/8 inch X 1/4 MIP
- Available at most "Big Box" Hardware Stores

### Cautionary Note:

**Atmospheric dust and carbon particles from the motor brushes may emerge through the hoses, leaving a black residue. Please be advised to plug active unused hoses to the plug-off system, minimizing leftover residue, which may discolor light colored carpeting.**

## **GENERAL SAFETY WARNINGS**

- Never restrict airflow to the inlet. This will cause it to overheat and possibly catch fire.**
-  **Ensure that children do not have access to the equipment. Keep small children and animals away from the intake vent. Strong suction may cause severe injury.**
- Do not block air output with anything other than the supplied plug-off system**
- Do not** introduce liquids or flammable materials into the intake
  - When using any electrical equipment, basic precautions should always be followed.
- Never** operate electrical equipment in standing water.
- Never** service or clean this unit while it is plugged in.
- Never** sit or stand on the unit or use as a shelf.
- Not** intended for outdoor use
- Do not** disconnect the unit by pulling on the cord. Grasp the plug firmly and pull it out of the wall socket or power receptacle.
- Do not** operate the unit with a cut or frayed power cord.
- To reduce** the risk of fire or electric shock, do not use this air mover with any solid-state speed control device.
- Always** use a grounded outlet.
- Do not** use when you are tired, distracted or under the influence of drugs, alcohol or medication.
- Do not** handle plug with wet hands.
- Do not** leave device plugged in when not in use.
- Store** this equipment indoors; do not expose to harsh weather.
- Use** only Manufacturer's recommended attachments.
- Do not** pull or carry by the cord, use the cord as a handle, close doors on the cord, or pull the cord around sharp edges.
- Do not** run over cord.
- Keep** cord and housing away from heated surfaces.
- Turn** the unit off before unplugging.
- Use** only as described in this manual.
- Do not** place mouth or other body parts over the intake holes

## OPERATING INSTRUCTIONS

1. Check the PDS-21 for any obstructions of the Intake holes before plugging in the unit or operation of the unit.
2. Set the machine to desired position for operation.
3. Cut tubing to the desired length and attach to the barb fittings.
4. Drill a ½ inch hole in the base of the wall to be dried, and insert tubing.
5. Plug the power cord into a GFCI outlet.  
Do not use an extension cord in conjunction with the standard power cord.

Troubleshooting		
SYMPTOM	PROBLEM	SOLUTION
Unit will not turn on	Not plugged in	Plug machine in proper outlet
	Switch is worn	Replace Switch
	Tripped circuit breaker	Reset Breaker
	Short in power cord	Replace power cord or replace cord end
PDS-21 is making strange noises	Motor bearing is worn	Replace motor
Motor runs but no airflow detected	Intake vent is obstructed	Turn off PDS-21. Remove obstruction. Restart motor
Motor stops running	Intake vent is obstructed	Remove obstruction. Allow motor to cool. Motor will start automatically.
	Motor brushes worn	Motor brushes are normal wear items and are not warranted. They may be purchased for a nominal cost through your Viking distributor. Average brush life is 1200-1500 hours or 50 / 24 hour days.

### WARRANTOR:

VIKING EQUIPMENT COMPANY, INC.  
17205 Eucalyptus Street #A3  
Hesperia, CA 92345  
Toll Free: (800) 252-5201

### WARRANTY AND LIMITATION OF LIABILITY

Viking Equipment Co., Inc. (the "**Company**") warrants to the first end-user purchaser that the equipment and parts thereof, when shipped, will be free from defects in materials and the **Company's** workmanship. If any such defects exist or later appear, the Company shall provide prompt remedial action, as stated herein, to correct the defect. The Company shall have no obligation or liability under this **Warranty** unless the customer has obtained a Return Material Authorization (RMA). To get an RMA you must present proof of purchase, by the use of the original sales receipt, Internet Product Registration, or other reasonable and reliable means. To obtain an RMA, call Viking Equipment Company at **(800) 252-5201** and ask for the Customer Service Department, which will then issue an RMA number and will arrange for repair or replacement, at our option, according to the following schedule:

This warranty covers Viking Pressurized Drying Systems (PDS-21).

**Year One** – 100% labor and parts (all components other than those noted below).

**Year Two** – Labor only

**Year(s) Three through Five** – Only materials and workmanship of the housing are covered

### Motor Brushes, PVC Hoses, Brass Barb fittings, gaskets and other wear items are not warranted.

Warranty service shall only be performed by a service provider authorized by the **Company**.

Freight to the **Company** is the responsibility of the end-user. The end-user is responsible for normal care and proper return packaging.

Equipment or Parts thereof, manufactured by others are warranted hereunder only to the extent of such manufacturer's warranty to the **Company**.

Since after purchase, the Equipment and Parts thereof are under the sole control of the Purchaser, this Warranty is subject to, and shall be applicable only if, the following conditions are met:

- a. The **Company's** instructions as to usage, operation and maintenance have been followed;
- b. The Equipment and Parts thereof, have been used under normal indoor operating conditions.
- c. The Equipment and Parts thereof have been correctly operated and maintained and have not been damaged by misuse, neglect, or accident.
- d. The purchaser has not attempted or performed corrective work or change on the Equipment and/or Parts thereof.
- e. The Company shall have received notice (RMA Request) of any defect **no later than thirty (30) days** after the Purchaser first had knowledge of the same.

**This warranty is in lieu of any and all other warranties, express, implied or statutory including, without limitation, warranties of merchantability and fitness for a particular purpose or use.**

### LIMITATION OF LIABILITY

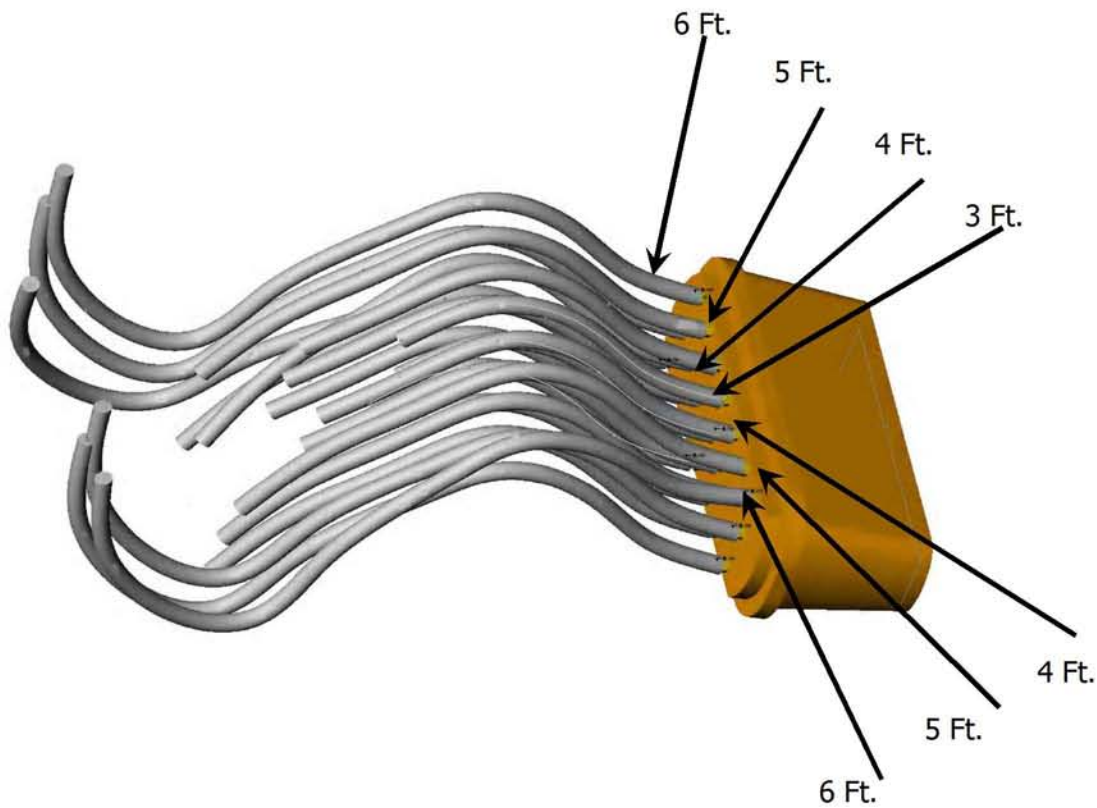
THE COMPANY SHALL HAVE NO LIABILITY WHATSOEVER IN ANY EVENT FOR PAYMENT OF ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, WATER DAMAGE (THE END-USER SHOULD TAKE PRECAUTIONS AGAINST SAME), LOST PROFITS, DELAY, OR LOSS OF USE, OR DAMAGES FOR INJURY TO ANY PERSON OR PROPERTY. BY ACCEPTING THE EQUIPMENT AND/OR PARTS THEREOF, THE FIRST END-USER PURCHASER OR SUBSEQUENT USER AGREES THAT THE COMPANY SHALL NOT BE LIABLE FOR INDEMNIFICATION OR CONTRIBUTION (IN WHOLE OR IN PART) EITHER EXPRESSLY OR BY IMPLICATION.

IF FOR ANY REASON ANY OF THE FOREGOING PROVISIONS SHALL BE INEFFECTIVE, THE COMPANY'S LIABILITY FOR DAMAGES ARISING OUT OF ITS MANUFACTURE OR SALE OF ITS EQUIPMENT OR PARTS, OR USE THEREOF, WHETHER SUCH LIABILITY IS BASED ON WARRANTY, CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL NOT IN ANY EVENT EXCEED THE FULL PURCHASE PRICE OF SUCH EQUIPMENT AND PARTS THEREOF.

Any action against the Company based upon any liability or obligation arising from or under any law applicable to the sale of its Equipment or Parts, or the use thereof, must be commenced within six months after the cause of such action arises.



## Recommendations for using the PDS-21



In order to achieve the best air pressure for wall drying, Viking Equipment recommends that the 1/2 X 3/8 inch Vinyl hoses be cut as shown above. Lengthening hoses will result in a loss of pressure unless pressure is equalized by capping-off one or more hoses to compensate. Hose caps are incorporated into the front of the PDS-21, below the Viking logo.

# **WARNING**

**Read Operator's Instructions and Warnings before Using this Equipment.**

**Warning: do not allow anything to cover the intake vent. Overheating the motor could damage the PDS-21.**

**Caution: Do not block air output with anything other than the supplied plug-off system. This will cause an overpressure condition and may damage the PDS-21.**

# PDS-21

## PLUG OFF SYSTEM



**NOTE\*** END HOSE THAT IS NOT PLUGGED INTO A WALL HOLE MAY BE PLUGGED BACK INTO THE PLUG OFF SYSTEM ON THE UNIT INCREASING THE AIR FLO TO OTHER HOSES.

**VIKING**  
EQUIPMENT