



VersaFog[®] Operator's Manual



SCHAEFER
Ventilation Equipment

"Quality and Innovation since 1951"

Keep this manual in a clean, dry place for future reference.

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About this Manual

Thank You!

Thank you for purchasing this quality product. This modern fogging system is designed to provide many hours of useful service. You will find the VersaFog® an effective source for cooling.

The intent of this manual is to help you in two ways: to provide you with step-by-step instructions for quick, easy set up and operation and as a reference for simple maintenance and questions regarding your product.

Important! Before operating the VersaFog® System, carefully read and follow instructions to keep your VersaFog® System in top condition.

Important! Pay particular attention to all SAFETY information.

All information, illustrations and specifications in this manual are based on the latest product information available at the time of printing. We reserve the right to make changes at any time without notice.

Safety Information

A Warning decal (pictured below) has been placed on the equipment to warn of potential danger. Care should be taken to keep this information intact and easy to read at all times. Replace missing or damaged safety decals immediately.



VersaFog Warning Label demonstration

Safety Recommendations

- This is an electric device with moving components. There is the possibility of fire, electric shock, or injury to persons. Ensure all the safety recommendations are adhered to in order to minimize this risk.
- Comply with all local and national electric codes.
- Disconnect all power and unplug the unit before you inspect, clean or perform maintenance on the components of the unit.
- Do not allow electrical cord connections to fall or lay in water.
- A GFCI (Ground Fault Circuit Interrupter) is recommended for use with this product.
- Use only extension cords properly rated for this machine.
- Only use water considered clean and safe for drinking.
- Protect the unit from freezing.

Set-up & Operation

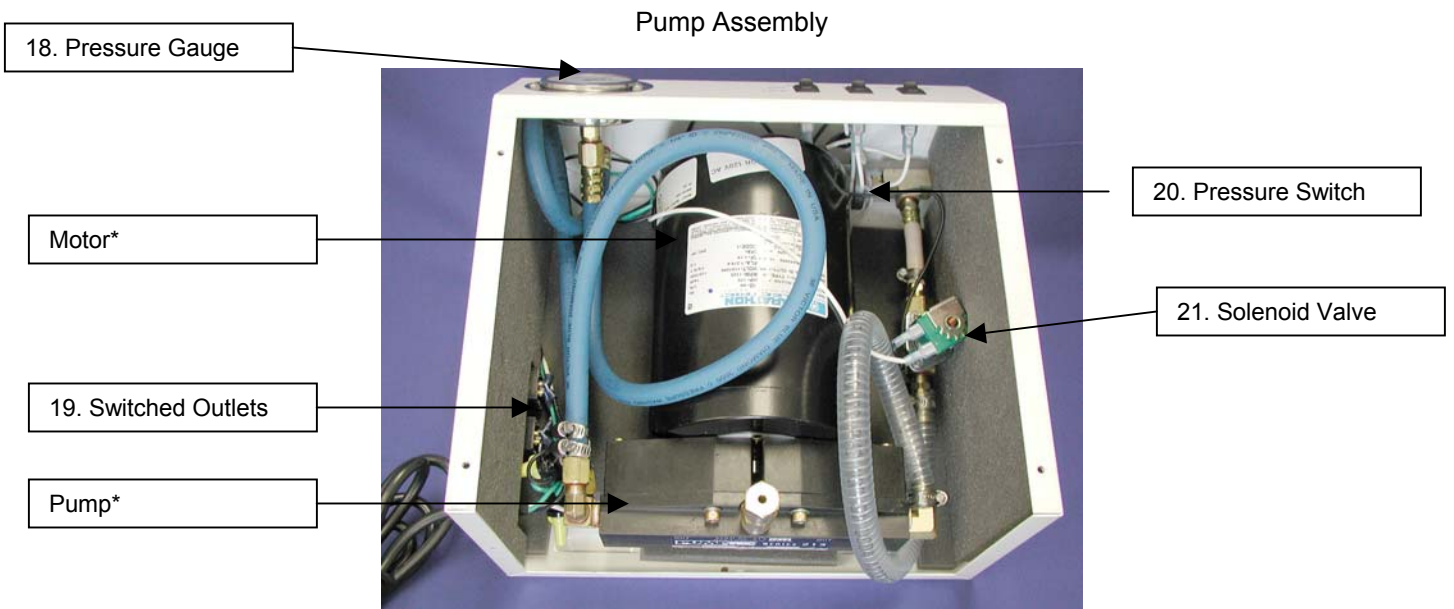
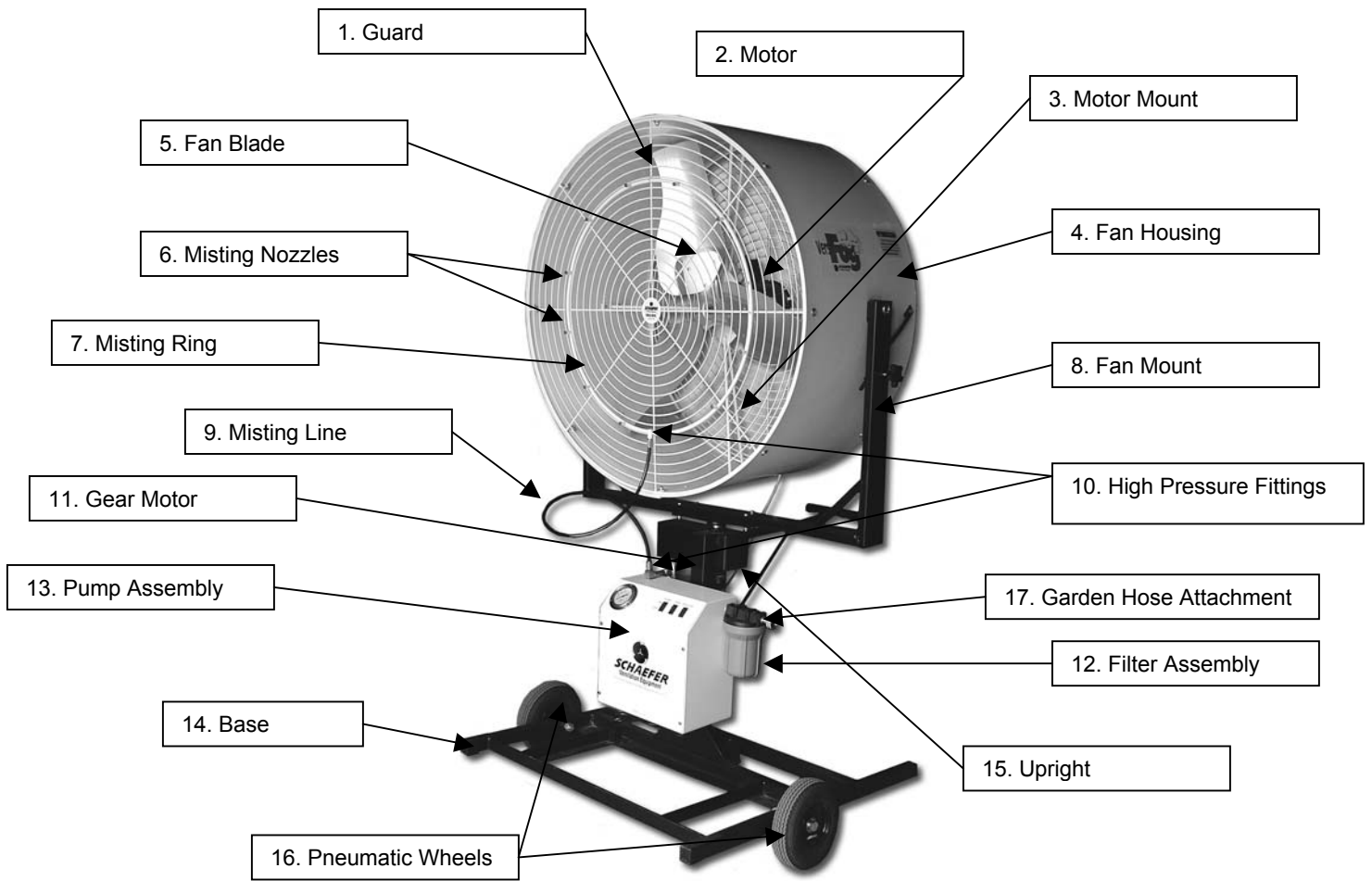
1. Unpack your VersaFog®
 - The unit is shipped fully assembled in a box. The box is strapped to a pallet. Inspect the exterior of the box and notate any possible damage when accepting delivery.
 - Remove the box and lift the unit from the pallet.

Caution: This unit is very heavy. When removing this unit from the pallet manually, several people should assist to avoid injury.
2. Inspect your VersaFog®
 - Visually inspect the unit for any damage that may have occurred during shipping.
 - Contact your shipper immediately if any damage is found.
3. Ensure the cords for the fan and oscillator are plugged into the correct receptacles on the pump. The receptacles are labeled as such.
4. The system must be flushed out before regular operation begins to remove any dirt or foreign matter in the system. **The area around the unit will get wet, so this step should be performed in a suitable area.**
 - Remove all the misting nozzles from the mist ring.
 - Connect a standard garden hose to a water source, and then attach it to the garden hose attachment on the VersaFog®.
 - Turn the water supply on.
 - Plug pump into a standard 115-volt outlet. (A 220-volt outlet is needed if you have purchased a 220-volt VersaFog®.)
 - Turn on the pump switch. It will take a few seconds for the pump to pressurize and begin to run.
 - Once the pump starts running and water starts to spray from the ring, allow it to run for one minute.
 - After one minute, turn the switch to the OFF position, and shut the water supply off. Insert all the misting nozzles so that they are finger tight.
5. The unit is ready for operation.
 - Turn the fan, pump and oscillator to the ON positions for maximum cooling and coverage. The VersaFog® can be used as an oscillating fan or non-oscillating fan only by turning the pump OFF and turning the oscillating feature to the ON or OFF positions as desired.
6. Shut down the unit when it is no longer needed.
 - Turn all the switches to the off position.
 - Unplug the unit from the electrical outlet.
 - The mist ring and high-pressure tubing will automatically drain when the pump is turned off. This should be done into a bucket or an area appropriate for getting wet.

Interval	Maintenance
After each use	Drain System <ul style="list-style-type: none"> • Turn off unit • Unplug the power cord • The system will automatically drain when turned off. Ensure this is done in a bucket or appropriate area.
Periodic (depending on water quality and usage)	Clean Misting Nozzles <ul style="list-style-type: none"> • Remove all nozzles • Soak in vinegar • Rinse with water • Re-insert in misting ring
Periodic (depending on water quality and usage)	Clean water filter <ul style="list-style-type: none"> • Remove filter from housing. • Rinse with water • Re-insert filter into housing.
Periodic (depending on water quality and usage)	Clean misting line and misting ring. <ul style="list-style-type: none"> • Remove misting nozzles. • Flush with water • Reassemble
Seasonally (End of Season)	<ul style="list-style-type: none"> • Remove and discard water filter. • Remove all nozzles and store in a dry place. • Un-plug pump module. • Store in an area that is NOT susceptible to freezing. Freezing will cause damage to internal components of the pump.
Seasonally (Beginning of Season)	<ul style="list-style-type: none"> • Insert new water filter in filter housing. • Plug in pump module. • Refer to step 4 and 5 in the set up and operation portion of this manual.

Troubleshooting

Symptom	Possible causes	Corrective Action
Nothing Works	<ul style="list-style-type: none"> No power to the unit 	<ul style="list-style-type: none"> Check power supply and reset GFCI
Pump will not operate	<ul style="list-style-type: none"> Low voltage to the unit Filter is clogged Low water pressure to the pump 	<ul style="list-style-type: none"> Ensure voltage to unit is 110 Volts minimum. Extension cords must be a minimum of 12/3 gauge and a 100 foot maximum. Clean or replace filter. Ensure water pressure is 15 PSI - minimum.
Pump shuts off and on	<ul style="list-style-type: none"> Filter is clogged Pump motor is overheating 	<ul style="list-style-type: none"> Clean or replace filter. Ensure voltage to unit is 110 Volts minimum. Extension cords must be a minimum of 12/3 gauge and a 100 foot maximum. Ensure water pressure is 15 PSI – minimum.
Pump is noisy	<ul style="list-style-type: none"> Low water pressure to the pump Filter is clogged 	<ul style="list-style-type: none"> Ensure water pressure is 15 PSI – minimum. Clean or replace filter.
Unsatisfactory fog	<ul style="list-style-type: none"> Pump pressure is set too low. 	<ul style="list-style-type: none"> Adjust pump pressure to be between 600 – 800 PSI (41 – 55 bar).
Pump will not operate at high pressure	<ul style="list-style-type: none"> System leaks Worn or damaged pump 	<ul style="list-style-type: none"> Repair leaks or replace fittings that are leaking. Pump may need new seals or to be rebuilt – contact your dealer.
Water is coming from the bottom of the pump housing	<ul style="list-style-type: none"> System leaks 	<ul style="list-style-type: none"> Repair leaks or replace fittings that are leaking.
Fan does not run	<ul style="list-style-type: none"> Not plugged into pump enclosure Defective Switch Defective fan motor 	<ul style="list-style-type: none"> Ensure fan is plugged into correct outlet on pump enclosure. Plug fan directly into wall outlet – if fan runs replace the switch. If fan does not run while plugged into the wall outlet, ensure all wiring connections are secure – if fan still does not run, replace fan motor.
Oscillator does not run.	<ul style="list-style-type: none"> Not plugged into pump enclosure. Defective switch. Defective gear motor. 	<ul style="list-style-type: none"> Ensure oscillator is plugged into correct outlet on pump enclosure. Plug oscillator directly into a wall outlet – if oscillator works replace switch. If oscillator does not run while plugged into the wall outlet, ensure all wiring connections are secure – if oscillator still does not run, replace oscillator motor.
Nozzles do not spray or spray in an uneven pattern	<ul style="list-style-type: none"> Nozzles are clogged or dirty Filter is dirty Low water pressure to the pump O ring is not seated properly O ring is damaged or is missing from nozzle 	<ul style="list-style-type: none"> Clean or replace nozzles Clean or replace filter Ensure water pressure is 15 PSI – minimum. Seat O ring properly in the nozzle. Replace O rings that are missing or in poor condition.
Auto drain valve is not shutting off when unit is pressurized	<ul style="list-style-type: none"> Auto drain valve is dirty Auto drain valve is damaged 	<ul style="list-style-type: none"> Disassemble auto drain valve and flush with water. Replace damaged auto drain valve.



*Specify part number of pump assembly when ordering this part

Parts List

Diagram #	Part #	Description
1	36BKF	Front Fan Guard - White
1	36BKF-B	Front Fan Guard - Black
1	36BKB	Back Fan Guard - White
1	36BKB-B	Back Fan Guard - Black
2	CS802	Motor – 1/2HP 115/220V - single phase
2	CS850	Motor – 1/2HP 220V – single phase – 50 Hz
3	VS36MM-DD	Motor Mount - White
3	VS36MM-DD-B	Motor Mount - Black
4	360FHP	Fan Housing - White
4	360FHP-B	Fan Housing - Black
5	GFB-363	Fan Blade
6	BN-12	Misting Nozzles
7	HP-MR3612	Misting Ring
8	VKO-FM	Fan Mount
9	HP-BT	Misting Line
10	HP-38C18	High Pressure Fittings
11	GM36VKO-DV	Gear motor
12	CB-FHC	Filter Assembly
13	VKOF OG-CBPA120V	Pump Assembly – 120V
13	VKOF OG-CBPA220V	Pump Assembly – 220V
14	VKO-BASE	Stand Base
15	VKO-UPR	Stand Upright
17	N/A	Garden Hose Attachment
18	CB-PG	Pressure Gauge
19	WC-PUMPCORD	Switched Outlets
20	HP-PS	Pressure Switch
21	CB-SV	Solenoid Valve

Support information

Using this equipment for any other purpose than it was intended or in a way not within the operating recommendations specified in this manual will void the warranty and may cause personal injury.

This manual is designed to provide comprehensive safety, set up & operation, maintenance, troubleshooting parts listing and warranty information. The Table of Contents provides a convenient overview of the information in this manual.

Thank You

The employees of Schaefer Ventilation Equipment would like to thank you for your recent Schaefer purchase. If a problem should arise, your Schaefer dealer can supply the necessary information to help you.

Dealer & Product Information

Dealer's Name _____
Dealer's Address _____ _____
Dealer's Phone _____
Date of Purchase _____
Model Number _____

ORDERING REPLACEMENT PARTS

To order replacement parts contact the dealer from whom you purchased your VersaFog®. If you do not have that information, please call Schaefer Ventilation Equipment at 800-779-3267 to locate a dealer near you.

Keep this manual in a clean, dry place for future reference.

THE SCHAEFER WARRANTY

Schaefer Ventilation Equipment, LLC, warrants to the original purchaser that our products which prove to be defective in material or workmanship within one year (unless otherwise specified) from date of purchase will be repaired or replaced at the option of Schaefer Ventilation Equipment, LLC, F.O.B. Sauk Rapids, Minnesota.

What is Not Covered By The Warranty

The Warranty does not cover:

- (1) installations not made in accordance with installation instructions;
- (2) where the operation of the product varies substantially from our operating instructions;
- (3) malfunctions resulting from misuse, negligence, alteration, accident or lack of performance of required maintenance;
- (4) loss of time, inconvenience, loss of use of the product, or other consequential damages.

The above constitutes our sole warranty.

THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.

Products with warranty periods that exceed our standard one-year warranty are listed below. These products are subject to all other provisions as stated in The Schaefer Warranty.

25 years – Poly Housings

15 years – Fiberglass Housings

10 years – VersaHeat® IRLens™ Ceramic Emitters for Gas Units

5 Years - VersaHeat® GQ Tube Heaters Combustion and Heat Exchanger Tubes

3 years – PC Compatible Controls

2 years – Certain Manual and Variable Speed Controls

2 Years - VersaHeat® GQ Tube Heaters Burner Controls

1 Year – VersaHeat® K-Series, 2-Stage, Compact Heater and the Stainless Steel Tube Heaters

Products with warranty periods less than the stated one-year warranty are listed below. These products are subject to all other provisions as stated in The Schaefer Warranty.

120 days – VersaHeat® IRLens™ Elements for electric units



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