



INSTRUCTIONS & MANUAL



Keep for future reference. Common problems and solutions are listed within this booklet.
IMPORTANT INFORMATION INSIDE: Read, understand, and follow all safety information and instructions.



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1—COOL DRAFT THANKS YOU

Thanks for selecting Cool Draft's self-contained misting equipment for your comfort conditioning needs. Our products are engineered with the most reliable components available and are equipped with features to assure ease of use, mobility, and maintenance. **Thanks again and stay cool!**

2—HOW IT WORKS

The cool air you will now enjoy is created through the process of evaporation. Heat is required to change water from a liquid to a gas (water vapor). Cool Draft's self-contained power misting equipment creates a "fog" by pumping water at a low rate through small nozzles. When combined with air the fog rapidly evaporates. The heat that is required to evaporate this fog is extracted from the air resulting in reduced air temperature.

3—HAZARDS



• ELECTRICAL SHOCK HAZARD



• TRIP HAZARD



• PINCH HAZARD



• SERIOUS INJURY OR DEATH MAY OCCUR

4—CAUTION!

- Only plug models into properly grounded receptacles
- Test GFCI before using
- Do not carry the unit by the motor, electrical cords, hose line, fan guard, or support bars
- Do not touch fan motor during use or directly after (it may be hot)
- Do not operate fan without guards in place
- Do not insert anything into fan guard while operating
- Unplug unit and dry wet areas before resetting a unit that has tipped over
- Position all electrical cords to lie flat on ground
- Never use during rain, sleet, hail, snow, or any inclement weather conditions
- Never operate pump without water supply
- In case of leaks, turn off pump and tighten leaky fittings with hand
 - Do not use tools to tighten nozzles, always hand-tighten
- Always use fresh water in cooler
 - A plugged filter caused by poor quality water can restrict pump flow, causing permanent damage
 - Hard water can clog nozzles
- Do not run pump without water
- Never allow fog from nozzles to come into contact with surfaces
 - Condensation will form on surface
- Drain unused water and allow tank to dry completely before placing fan head inside for storage purposes. Do not submerge the GCFI plug into water, as doing so will damage the unit and render it inoperable.

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SPECIFICATIONS

- Voltage (VAC): 120
- Frequency (Hz): 60
- Fan Amps: 2.1
- Total 3.6 Amps
- CFM: Up to 3500 (High)
- Speeds: Hi / Med / Low
- Model # CDMP1840GRY: 18" fan head, 180 psi pump, 40 gal cooler case, pumps out 3 gph
- Model # CDMP1810 : 18" fan head, 180 psi pump, 10 gal cooler, pumps out 3 gph
- Model # CDHP1840GRY: 18" fan head, 1000 psi pump, 40 gal cooler case, pumps out 3.5 gph
- Misting Ring: Stainless steel
- Filter: 50 mesh stainless steel strainer
- Water Supply POTABLE ONLY

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GETTING STARTED (ALL UNITS)

1. Take empty cooler to location desired to be cooled.
2. Fill cooler with clean water.

**Less water results in less run time.
3. Place the fan/pump enclosure on the cooler.
4. Make sure the intake line and filter are in the bottom of the cooler.
5. Follow specific unit instructions.

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MID PRESSURE UNITS

**** Note: these models use the same fan and pump, only the cooler is different**

1. Follow the directions in the "Getting Started" section
2. Aim mister downwind for best results. If more than one mister is used, arrange them in an arc
3. Plug the GFCI safety plug into any 120 VAC 60 Hz ground outlet
4. Test the GFI
 - a. Plug into outlet. Indicator will show if power is available.
 - b. Press the test button. Indicator will turn off.



Do Not use if test fails.

5. The misting ring located in the center of the fan is equipped with nozzles. The output volume of water can be reduced by replacing some of the nozzles with plugs. Adjust nozzles for the desired output level.
6. After use, drain the cooler case of water and store fan inside (CDMP1840GRY).

**CDMP1810 fan will mist for approximately 3.5 hours

**CDMP1840GRY fan will mist for approximately 13 hours.

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HI PRESSURE UNITS

1. Follow directions in the "Getting Started" section.
2. Once the fan and base are in place and the filter is at the bottom of the cooler, plug in the fan and unscrew any nozzle on the mist ring by turning it counter-clockwise.
3. Place the hand pump's hose over the nozzle opening. Use the toggle switch at the fan base to select the "MIST FAN" option. Ensure the ring valve is in the open position
4. Squeeze the hand pump bulb up to 10 times until water is visibly drawn through the pump's hose. When water is consistently flowing through the nozzle opening, turn the ring valve to the closed position, remove the hand pump hose, and screw the nozzle back in by hand-tightening in the clockwise direction.
5. Once the nozzle is reinstalled, turn the ring valve back to the open position (Fig. C) to resume the flow of water to the mist ring. Your unit should now be primed and operating.
6. Turn the switch on the rear fan grille to get the desired speed. This step is optional, as some customers prefer to run just the pump with no fan.

**CDHP1840GRY will mist for approximately 10 hours.

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LABELED FAN



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MAINTENANCE

Filter:



- Filter should be cleaned before and after each use.
- A dirty filter will restrict water flow and could cause permanent damage.

Nozzles:

- Check nozzles regularly to assure the best performance.
- The fog exiting from the nozzles should have an even cone shape. If this is not the case, the nozzles should be replaced.
- Clogged nozzles can be cleaned by removing them from the misting hub and soaking them in CLR™ solution or slam them against a hard surface to break the buildup loose. If they still fail to work, replace them with the provided spare nozzles.
- Before reinstalling nozzles, flush water line to misting hub.

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TROUBLESHOOTING

PROBLEM: Not Misting

- Make sure hose is at the bottom of the cooler and the filter is completely submerged in water.
- Run through the start-up procedure to clear air from hose.
- Make sure ring valve is in the "open" position. Water will not flow if it is closed.

PROBLEM: Nozzle is Shooting a Stream of Water

- Remove and clean nozzles
- Scrape the opening with a hard metal surface or flat head screwdriver while the system is running.



Do Not use your finger, as the high pressure water could cause injury!

PROBLEM: No Power to the System

- Check plug and breaker
- Make sure fan is not in the "off" position. Pull switch on enclosure to "fan only" or "mist fan" and switch speeds.

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1 YEAR WARRANTY

Ventamatic, Ltd. extends this warranty to the original retail purchaser of its model. No subsequent purchaser of the unit or of a home in which it is installed is entitled to any of the benefits of this warranty. This product is warranted against defects in materials and workmanship for a period of one (1) year from the date of original retail purchase. No other parts or components are warranted. There is no warranty for defects caused by abuse, faulty installation, or the like. Repairs or replacement parts supplied under this warranty are warranted only for the period of this warranty; that is, one (1) year from the date of the original retail purchase of the unit.

In the event of a defect or malfunction, we will replace or repair the defective part or component only and return the new or repaired part to you freight prepaid. You must bear all other expenses incurred in obtaining repairs, including labor required for field repair or replacement, and the cost of shipping the defective part to us. You must also bear the cost of repair to or replacement of any part or component and the shipping charges incurred for the repair or replacement and return to you of any part or component not covered by this warranty, including parts or components damaged by you.

The company reserves the right to demand and receive written evidence of the date of purchase before undertaking to perform its obligations under this warranty. You should, therefore, retain your sales slip and attach a copy of it to the warranty claim.

In order to obtain the repair or replacement of this unit, you must select one of the following methods:

A. Return to factory.

Return postage prepaid only the part or component which you believe to be defective to the following address:
Ventamatic, Ltd
100 Washington Street
Mineral Wells, TX 76067

*Complete and enclose a written claim and attach a copy of your sales slip or other proof of purchase.

B. Return to retail dealer.

If the retail dealer from whom you purchased this unit stocks replacement parts or components, you may return a part or component which you believe to be defective to that dealer for replacement.

Caution: Only a limited number of our retail dealers stock replacement parts. If your dealer does not, you must return the part to the factory following the procedure described in paragraph "A" above. There is no informal dispute settling mechanism available in the event of a controversy involving this warranty.

Any and all implied warranties which may exist terminate upon the expiration of this warranty one (1) year from the date of the original retail purchase. Some states do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.

Ventamatic, Ltd. is not liable to you for incidental or consequential damages arising out of a defect or malfunction of a unit or its installation or out of any alleged breach of this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

13 ————— WARRANTY REGISTRATION

Our warranty is as strong and effective as possible. **Please keep the following information for your records.**

IMPORTANT **RECORD OF PURCHASE**

Purchaser's Name: _____

Date of Purchase: ____/____/____ Store Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Model: _____ Purchase Price: \$ _____



Toll-Free Number: 1-800-433-1626 Web: www.cooldraft.com

Address: Cool Draft by Ventamatic
PO Box 728
Mineral Wells, TX 76068