

Instructions for Hot Vent Heater model 9173, 9174, 9183, 9184

These instructions are for several models of Hot Vent Heaters, some of which may have options not found on your heater.

SET-UP

1. Select a clean flat surface free from leaves, vehicles, generators, any gas powered product, or flammable materials.
2. Be sure gas valve(s) is turned OFF (turn knob clockwise.) Connect disposable 16.4 oz. propane cylinder(s) by turning clockwise into gas valve(s). Secure bottom of propane tank into round plastic base or into cavity of detached lid. Securely place assembled system on flat ground about 2 feet from door of tent.
3. Connect Hot Vent cold input tube (with fan) to input side of Hot Vent by slightly squeezing open end of tube to form an oval then slide tube completely over collar on input side of Hot Vent. Attach hot air output tube (without fan) to other side of Hot Vent. Extend air tubes so each tube is about 2 - 3 feet long. Both tubes must be completely attached to heater before proceeding.
4. Ensure that the Hot Vent is secure and will not tip over even if the air tube(s) is pulled tight or if wind increases. Position Hot Vent so that the hot air tube points directly to the tent without any bends. For extra protection wrap end of hot air tube with small towel or sock, making sure not to obstruct tube opening.

5. Place cold air input tube UPWIND from Hot Vent and away from any vehicle or generator engine exhaust and away from any gas powered product including gas stoves and lanterns. Slightly elevate input hose off ground to minimize access to rain and insects. Keep fingers AWAY from end of air input hose near fan. Keep children away from entire system during use. Remove all flammable material near Hot Vent. Ensure Hot Vent is secure from tipping. Ensure hot air tube is clear of any heat sensitive material (zipper, bags, etc.)

6. When ready to heat, connect the red battery clip to (+) positive terminal on 12 volt battery (or 12 volt generator) and attach the black clip to (-) negative terminal. Fan should begin blowing air into heater and out air tube. Inspect heater tubes inside heater for damage before igniting. Do not proceed if heating tubes are damaged.

HEATING

1. Insert a lit match through ignition hole located on back side of Hot Vent and then turn "ON" propane valve(s). Stay clear of bottom and top covers during ignition & when in use. Hot air will begin to flow into tent. CAUTION: DO NOT PLACE HOT VENT HEATER INSIDE TENTS, RVs, HOMES OR OTHER CONFINED AREAS. HOT VENT MUST ALWAYS BE OUTDOORS. This system generates carbon monoxide and if used indoors or improperly can cause injury or death.

2. Adjust temperature after system has been heating for 2 minutes. If air is too hot, turn down propane valve, wait another minute and re-check. If air is not hot enough, recycle tent air by placing end of cold air tube inside tent too. (KEEP HOT VENT HEATER OUTSIDE).

3. The temperature output will be 80° - 120° higher than the input air temperature depending on wind, propane temperature and propane tank level. It will take 5 minutes to raise the inside temperature of a 4 to 6 person tent by 25° - 40°. Do not operate in wind over 5 mph. Wind over 5 mph may extinguish flame. Immediately turn off propane valve if flame is extinguished.

4. Insulate Tent: The Hot Vent is designed to heat a 4 to 6 person tent when outside air temperature is between 30° to 60°. Below 30° the propane loses performance and the total area of the tent walls may disperse hot air away faster than the Hot Vent can supply. In cold areas add an extra layer of insulation to your tent, such as securing a blanket or a plastic tarp on the outside of the tent. Also, cover any screens in the tent roof with towels, etc. With larger tents it may be necessary to use multiple Hot Vents or use the high performance 20,000 BTU Hot Vent.

SHUT-DOWN

1. To shutdown, turn off propane valve(s) and allow fan to continue blowing for 3 minutes. Turn off fan. Allow system to cool before handling. Disconnect propane from Hot Vent and allow system to cool before transporting in vehicle.

HINTS

- For use in cold weather, recycle air in tent by placing both tube ends inside tent, KEEP HEATER OUTDOORS.
- For best performance, minimize sharp bends in air tubes.
- When heating always have input (cold air) tube clear from any engine exhaust or other gas powered systems including gas stoves, gas lanterns, etc.
- Keeps fingers clear of fan located near end of cold air tube.
- The Hot Vent heats faster and hotter with a FULL propane tank stored at room temperature. As propane level drops, the heating performance of the Hot Vent will also drop.
- As you increase in altitude, the performance of propane decreases.
- The Hot Vent will be hot for a period of time after shut down. Do not handle until cool.
- Securely position Hot Vent on flat level ground when operating.
- Do not operate without propane cylinder secured in plastic base or in cavity in detached case lid.
- Do not operate indoors, operate ONLY outdoors in ventilated areas.
- Keep children and pets clear during use.
- Read warnings on back of Hot Vent before use.
- Do not operate in conditions with wind greater than 5 mph.
- If wind extinguishes flame, immediately turn off propane valve(s).
- Hot Vent is designed to provide temporary heat, do operate unattended. Operate only when awake - do NOT use for sleeping.
- Hot Vent is designed for use with 4 - 6 person tents without roof screens. Double burner Hot Vent model suggested for larger tents or tent trailers.
- System may dis-color with use.
- Optional Bulk Propane Kit allows system to work with 5 gallon and larger propane tanks (see www.zodi.com for details)

WARNING

ALWAYS KEEP HEATER SECURELY POSITIONED OUTDOORS IN WELL VENTILATED AREA WHEN OPERATING. DO NOT EVER PLACE HEATER NEAR FLAMMABLE MATERIALS OR INDOORS WHEN HEATER IS ON. DO NOT PLACE AIR TUBE NEAR VEHICLE EXHAUST OR NEAR ANY GAS POWERED PRODUCT OR NEAR CAMPFIRE WHEN OPERATING. THIS SYSTEM GENERATES CARBON MONOXIDE, IMPROPER USE CAN RESULT IN INJURY OR DEATH. DO NOT OPERATE SYSTEM UNATTENDED. TURN OFF HEATER BEFORE SLEEPING. FOLLOW DIRECTIONS AT ALL TIMES.

Zodi Outback Gear L.L.C. assumes no responsibility for improper use.

Please register your product on-line at www.zodi.com within 10 days

Made in USA, Patent Pending



Instructions for Hot Vent™ Propane Instant Heater



9173 with Soft Case
9174 with Hard Case



9183 with Soft Case
9184 with Hard Case

**Read Directions Before Operating
Follow Directions at all Times**

800-589-2849

www.zodi.com



800-589-2849

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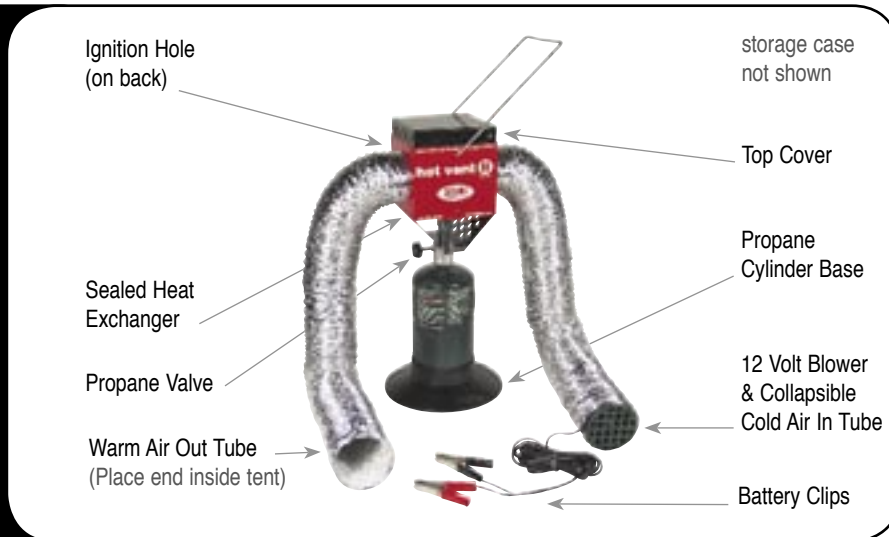
Thank You! Your complete satisfaction is our #1 goal.

Congratulations! You have just purchased the BEST portable, forced air Tent Heater available. To ensure safety and to get the most performance from your new Portable Heating system, please completely read and follow these instructions. This instruction booklet details operation for several Zodi single and double burner Hot Vents, some of which may have options not found on your model.

If you experience a challenge with your Hot Vent™ DO NOT return it to the store.

Call Zodi TOLL FREE at 800-589-2849 or email to help@zodi.com

Please register your Hot Vent within 10 days of purchase at www.zodi.com



Tips for Best Performance:

Inspection: Prior to each use, completely inspect your Hot Vent heating tubes for damage. Do NOT use your Hot Vent if the heating tubes are damaged. Attach flexible air tubes to heater and turn ON fan by connecting to 12 volt battery. You should NOT be able to feel any air blowing from the sealed heating area, only from the end of the air tube (air will be cold because burner is OFF).

Tube Bends: The 3 ft air tubes are flexible for storage and convenience. For best performance minimize bends in tubes when heating by keeping tubes as straight as possible. If longer air tubes are needed, always use Zodi supplied air tubes. Heating performance will drop with longer air tubes.

Tubes & Housing Get Hot: The output air tube and Hot Vent housing get hot and may cause damage to certain materials, including nylon, if contact is made. For best performance, wrap the hot air tube with a small towel or sock where the tube enters tent. The towel will protect the zipper and will also keep cold air from entering tent around tube. Keep tube away from anything that is temperature sensitive.

Input Tube Upwind: It is important to always keep the cold air input tube away from vehicles exhaust, generators and other sources of carbon monoxide or any fueled exhaust.

Wind: The Hot Vent is designed to be operated in calm conditions with wind less than 5 mph. In windy conditions the burner will extinguish. If flame does extinguish, immediately turn off propane burner. Hot Vent is NOT intended to be operated during sleeping periods.

Propane: For best performance always use full propane tanks stored at room temperature. Performance drops rapidly with cold or half filled propane tanks. For extended performance use larger 5 gallon propane tank with optional kit. (See it now at www.zodi.com)

Recycle: In cold areas, recirculate the air inside your tent by placing both the input and output air tube ends inside your tent (KEEP HOT VENT HEATER OUTSIDE).

Insulate Tent: The Hot Vent is designed to heat a 4 to 6 person tent when outside air temperature is between 30° to 60°. Below 30° the propane loses performance and the total area of the tent walls may disperse hot air away faster than the Hot Vent can supply. In cold areas add an extra layer of insulation to your tent, such as securing a blanket or a plastic tarp on the outside of the tent. Also, cover any screens in the tent roof with towels, etc. With larger tents it may be necessary to use multiple Hot Vents or use the high performance 20,000 BTU Hot Vent.

WARNINGS & CAUTIONS

- 1 Only the ends of the air tubes should enter tent. Heater must always be securely positioned outdoors when heating.
- 2 The Hot Vent must always be positioned OUTDOORS in a well ventilated area when propane burner is on. Do not operate in enclosed areas, or place Hot Vent cold air tube near engine exhaust, generator, vehicles or camp fire.
- 3 Securely position Hot Vent to prevent tipping. Do not operate in windy conditions. Use only in calm conditions.
- 4 Do not use system indoors. The Hot Vent, like all propane devices, generates deadly, odorless, carbon monoxide fumes when operating. Hot Vent is designed for outdoor use only. Do NOT operate Hot Vent inside boats, RVs, tents, homes or other confined areas. Use only outdoors in well ventilated areas away from flammable material. Only the ends of the air tubes should enter tent.
- 5 Keep children and pets clear when operating. Do not leave system unattended when operating.
- 6 This system uses high performance burners. When burners are on 100%, you may notice hot spots on Hot Vent housing along with flames near top of system. Adjust propane valve(s) to keep flames from exiting exhaust holes in top cover. Color may dis-color with use.
- 7 Air tubes must be completely attached to metal sleeves on Hot Vent housing whenever heater is operating. After prolonged use, the air tube ends may harden and may need trimming before next use. Use only Zodi approved metallic air tubes - DO NOT use plastic or third party air tubes.
- 8 During transport and storage, remove propane tank(s) from system.
- 9 The output air tube and Hot Vent get very hot when in use. EXERCISE CAUTION WHEN RE-POSITIONING AIR TUBES OR HEATER. Keep heater and air tubes clear of heat sensitive materials.
- 10 To ignite, place lit match through ignition hole on back of Hot Vent and then turn on propane valve(s).
- 11 Keep hands, face and clothing clear from top and bottom covers and housing when igniting and during use.
- 12 On dual burner unit, ignite burner located nearest to ignition hole first.
- 13 Do not operate in windy conditions. If flame is extinguished immediately turn off propane valve(s).
- 14 Do not place any items on top of or near Hot Vent during ignition or operation.
- 15 Do not operate unattended. Hot Vent designed for temporary heating only. Do not sleep with Hot Vent operating.

Zodi options and upgrades for your Hot Vent Heater.

Hot Vent Hose

Hoses do wear out with use. Get spare hoses for added convenience.



Vent Fan

12 volt fan forces air into the Hot Vent for clean safe air.



Bulk Propane Kit

Get up to 60 hours use with your dual burner tent heater Hot Vent.



Propane Pole

Enjoy up to 60 hours use with your single burner Hot Vent.



Gear Bag

Zodi's rugged gear bag with padding protects your gear for transport.



Register your product on-line at www.zodi.com within 10 days of purchase

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Check out our entire line of outdoor equipment at www.zodi.com