

Instruction Manual



5990 Hot Vent Professional 70,000 BTU W/Transport cart (Propane not included)

Read Directions Before Operating
Follow Directions at all Times

FOR YOUR SAFETY

If you smell gas:

1. Do not attempt to light the appliance.
2. Extinguish any open flame.
3. Disconnect from fuel supply.

FOR YOUR SAFETY

Do not store or use gasoline or other liquids with flammable vapors in the vicinity of this or any other appliance.

DANGER CARBON MONOXIDE HAZARD

Operating this item in an enclosed space can kill you. Never use this appliance indoors or in an enclosed space.

DANGER CARBON MONOXIDE HAZARD

This appliance can produce carbon monoxide which has no odor and can kill you. Use only outdoors in well ventilated area.

FOR OUTDOOR USE ONLY

DIRECTIONS - FOLLOW THESE DIRECTIONS AT ALL TIMES.

Read, understand and follow the instructions printed in this instruction manual, on Pro Vent, and on propane cylinder before operating this product. Failure to comply with all instructions can result in serious bodily injury, death and or property loss. CARBON MONOXIDE HAZARD - Operating this item in an enclosed space can kill you. Never use this appliance indoors or in an enclosed space. Zodi assumes no responsibility for improper use.

CAUTION DO NOT OPERATE INDOORS. FOR OUTDOOR USE ONLY.
Fan must always be running when igniting and whenever heater is on.



This package contains:

- Pro 70 Vent
- Transport Cart
- 2 springs, 2 buttons, 2 batteries
- Hazmat Catalog
- 4 wing nuts
- directions, warranty, warning sheet
- (propane tank not included)



STEP 6
Securely connect one air duct tube to collar on side of Pro Vent. Repeat for other air duct tube. Keep air ducts 1 inch away from heater housing to avoid melting. Make sure air tubes will not slide off collar.



STEP 1
Select a clear flat area outdoors away from flammable material. Remove Pro Vent and cart from box. Attach Pro Vent to transport cart by placing on cart. Insert post on Pro Vent into 4 holes on cart bracket.



STEP 7
Attach the free end of one air duct tube (cold air input) to blower. Connect blower to power and establish forced air through Pro Vent. Make sure tube will not slide off fan collar.



STEP 2
Secure Pro Vent to transport cart with 4 wing nuts. Finger tighten each wing nut to threaded post.



STEP 8
Check to make sure the propane valves on the Pro Vent control panel are off. Turn propane tank valve to the on/open position. Ensure regulator is not leaking where connected to gas cylinder. See next page to check for leaks.



STEP 3
Place ignitor button over spring, spring over AA battery. Insert battery into ignition hole with positive tip facing in. Finger tighten ignitor button on threads of ignitor. Press ignitor button in and you should hear the ignitor clicking.



STEP 9
On the control panel push in propane valve and turn to left to the on position while pushing in and holding the left ignitor button for 5 seconds. (Repeat for right side ignitor and right side propane valves.



STEP 4
Make sure both propane valves on Pro Vent are in the off position.



STEP 10
Feel for hot air rising from Pro. If still cool do not reignite! Shut off propane valve(s), wait 1 minute & repeat step 9. If system fails to ignite replace ignitor batteries or place lit match in hole on side while turning on gas valve.



STEP 5
Securely connect propane regulator to propane tank. Make sure propane valve on the propane tank is in off position. Make sure that both propane valves on Pro Vent control panel are also in the off position.



STEP 11
System is now heating. Do not operate unattended. Make sure system is securely anchored and will not tip over if air duct tubes are pulled.

Tips for Best Performance

Forced air must be flowing from Hot Vent before igniting propane burner. Air must always be flowing from Hot Vent when propane heater is heating. For best performance, shield system from wind.

Setup: Do not place heater indoors. Select a clear flat area outdoors away from flammable material. Cone off or restrict access to heater 5 feet in each direction when heater is on. Make sure heater and input air duct tube with blower are clear of all vehicle, generator exhaust or other sources of carbon monoxide and other gases.

Connecting to Propane Cylinder: Propane must be in a vertical position and safely secured on cart when heating. Do not connect to remote gas supply. Securely connect propane regulator to propane tank in "OFF" position. Check that propane valves on Pro Vent control panel are also in the "OFF" position. Keep all gas valve fittings and propane source connections clean at all times. If gas valve or gas source connection is dirty or damaged do not use. Make sure connection is not cross threaded and not leaking.

Check for leaks: During set up, check all propane connections and fittings are tight and do not leak using soapy water (soap and water solution: 1 part liquid detergent to 3 parts water.) Bubbles near propane connection indicates leaks. Never use a flame to check for leaks. If bubbles are present, check that connection is not cross-threaded and is tight. Perform another test for leaks until no leaks are present. If there is still a leak contact HazMatShower.com.

Air duct hoses: (without bends): Position one air duct tube as straight as possible away from heater and into the shelter avoiding any sharp bends in the air duct tube. Keep end of output HOT air duct tube clear of flammable materials. To prevent damage to shelter and other items, keep HOT air tube end clear of tent shelter walls, floor or any material that is temperature sensitive. To prevent damage to walls of the shelter, wrap hot air duct tube with towel, blanket, etc. where hot air duct tube enters tent. Use hand protection when repositioning hot air duct tube if tube is hot.

Blower: Attach the free end of the other air duct tube (cold input) to blower. Connect blower to power and establish forced air flow through PRO Vent. Make sure air tube will not slide off fan collar. The Pro Vent is designed to attach to many 3rd party blowers and air duct tubes. It is important that the blower is rated to at least 800 CFM.

Electronic Ignition: Your PRO vent is equipped with the best redundant sealed electronic ignitions available. If your ignitor fails it is probably due to weak batteries (AA). Replace batteries by unscrewing cap and replacing AA battery (tip end first). If one ignitor is operating ignite that side of the heater first then turn on gas valve for other side and in just a second that side will ignite. Air MUST be flowing before igniting.

Inspection and Maintenance: Your Pro Vent is equipped with a stainless steel heat exchanges. Prior to each use inspect the stainless steel tubes for debris or damage. Do NOT operate with damaged or clogged heat exchanger.

Shutdown: To shutdown, turn off burners and allow air to continue blowing for 2 minutes. Allow Pro Vent to cool before handling. Turn tank propane valve "OFF" between uses. Make sure propane valves on Pro Vent are turned to OFF position. Disconnect propane before transporting in vehicle or storage.

Removing propane: Always attach and detach gas cylinder outdoors away from flames, other ignition sources and only when heater is cool. Wait for unit to be completely cool before removing propane tank. Read manufacturers directions on propane cylinder for other warnings.

Cleaning: To clean outside of Pro Vent housing, use a soft cotton cloth with soapy, warm water. Do NOT submerge entire heater in water. Rinse well with clean damp cloth.

Storage: Remove & disconnect propane cylinder from heater before transport and storage.

Wind : For best performance shield the Pro Vent from the wind. If the hot air tubes begin to blow cold air, immediately turn off propane gas for 5 minutes before re-igniting. When shielding system from wind, keep Pro Vent at least 5 feet clear of any flammable object in all directions.

Safety Note : The blower must ALWAYS be "ON" when heater is "ON". Do NOT operate without blower connected and blowing air through heater. Do NOT operate system with the output air temperature above 260°F. Reduce temperature by increasing air flow, by increasing capacity of blower or reduce heater output by turning down or off gas valve to keep output temperature below 260°F.

**If you experience a challenge with your Hazmatshower.com
PLEASE Call 800-589-2849 or e-mail help@zodi.com**

Caution - Read This Before Operating Heater:

Read all instructions and warnings before operating heater and follow all instructions and warnings when operating heater to avoid possible fire, serious injuries, death or property loss.

This device is powered with propane gas. Propane can explode, burn and is a fire hazard. Never store propane indoors or near any heat source, near any open flames, near any pilot light, in direct sunlight, near any ignition source or where temperature exceeds 120°F.

Forced air must be flowing through Pro Vent before igniting propane burner(s).

Forced air must always be blowing from Pro Vent output air tube when propane burner(s) are on. If fan fails during use turn burners on Pro Vent off.

Do not heat air over 260°F or flexible air duct tubes will fail.

Do not use indoors. The Pro Vent, like all propane systems emits deadly carbon monoxide fumes when operating. System is designed for outdoor use only. Do not operate heater inside confined areas. Use only in well ventilated areas away from flammable materials, free of any ignition source and away from any open flames. Improper use may result in injury or death.

The heater gets very hot when operating. Do not touch any part of the heater above the gas valve until heater has been safely turned off and has safely cooled.

Do not store items on top of or near Pro Vent when heating. Keep area clear of flammable objects for 5 feet in all directions when heating. Allow Pro Vent systems to cool before handling, storing or transporting. Do not touch system until cool.

For best performance, shield system from wind and use full propane tanks stored at room temperature.

Always place blower and air intake hose Upwind and Clear of all sources or carbon monoxide including away from vehicle and generator exhaust.

Keep air duct hoses as straight as possible. Bends in the air duct hose decreases air flow and increases air temperature. Always keep the air duct tubes as straight as possible. Never have the air duct tubes so that; this may cause the Pro Vent to tip over.

Never restrict or obstruct air flow from end of air duct tube when heater is on.

Do not obstruct or restrict flow of air for combustion. Keep all flammable materials away from heater. Visually check burner for blue flame. If flame is yellow, propane tank may be low and may need to be replaced with new or refilled propane tank.

This system uses a high performance heater. When heater is on 100%, you may notice hot spots on heater housing or flames near top of system. If flames exit exhaust holes at top of heater, turn down propane valve. Housing color may darken with use but will usually return after system has cooled. Note, discoloration is not covered by warranty.

Remove propane cylinder from system during transport and storage. Do not store propane indoors.

CAUTION:

- Entire systems gets Hot. Do not touch!
- Read directions on sides of heater before use
- Do Not heat air over 260°F (air duct tubing will fail)
- Do Not operate heater without forced air flow through air duct tubes
- Keep heater outdoors in well ventilated area when operating
- Do Not place input air tube or blower near vehicle or generator exhaust
- Keep system clear for 5 feet in all directions when heating
- Do Not operate near any flammable materials

Keep system out of reach of children & pets,

Do not operate or leave heater unattended.

Warranty Disclaimer: Due to the harsh conditions product may be exposed to, there is no warranty on electronic components including piezo ignition. Do not change or alter this heater in any way or use this heater with any part or accessory not designed specifically for this product. Do not use this product for purposes other than what it was designed for.

CAUTION: Improper use can result in injury or death. Hazmatshower.com not responsible for improper use.

See updated directions and other hazmat products at www.hazmatshower.com

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