

# Instruction Manual



5170 Hot Tap Professional 105,000 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.

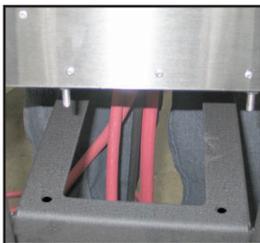
Read, understand and follow the instructions printed in this instruction manual, on shower, and on propane cylinder before operating this product. Failure to comply with all instructions can result in serious bodily injury, death and or property loss. CARBON MONOXIDE HAZARD - Operating this item in an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

**CAUTION DO NOT OPERATE INDOORS. FOR OUTDOOR USE ONLY.**  
**Water must always be flowing from showerhead when igniting and whenever heater is on.**



This package contains:

- Pro 100 Shower
- Transport Cart
- 3 springs, 3 buttons, 3 batteries
- Hazmat Catalog
- 4 wing nuts
- directions, warranty, warning sheet
- propane tank not included



## STEP 1

Remove Pro Shower and cart from box attach Pro Shower to transport cart by placing on cart. Insert post into 4 holes on cart bracket



## STEP 2

Secure shower with 4 wing nuts. Finger tighten each wing nut to threaded post.



## 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 & you should hear ignitor clicking.



## STEP 4

Make sure both propane valves on Pro Shower are in the off position.



## STEP 5

Securely connect propane regulator to propane tank. Make sure propane valve is off on the propane tank.



## STEP 6

Connect water supply hose to pro shower. Make sure hose is free of kinks. Turn water temp knob on control panel mid-way between "Warm & Hot" turn water on. Note-water will flow from showerhead.



## STEP 7

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



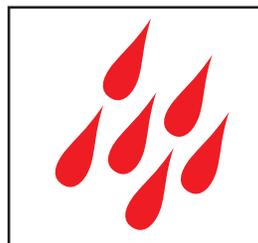
## STEP 8

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



## STEP 9

Feel for hot air rising from Pro. If still cool do not reignite! Shut off propane valve(s), wait 1 minute & repeat step 8. If system fails to ignite replace ignitor batteries or place lit match in hole on side while turning on gas valve.



## STEP 10

System is now heating water. If water pressure drops or water temperature suddenly increases immediately point showerhead away from body and safely turn off heater until proper water pressure is regained.



## STEP 11

Adjust water flow rate by turning Red Water Adjustment valve in center of unit. This will allow a higher flow rate or restrict flow rate to attain higher water temperatures.

# Warnings & Tips for Best Performance

**Water must be flowing from showerhead before igniting propane burner. Water must always be flowing from showerhead when propane heater is heating. For best performance, shield system from wind.**

**WARNING - SYSTEM GETS HOT DURING USE:** Allow system to cool before handling. Do not place any items on or near heater. Keep children and pets clear of heater when operating. Operate only outdoors in well ventilated areas clear of any flammable material.

**SET UP:** Do not place pro shower indoors. Select clear flat area away from flammable material. Cone off or restrict access to pro shower 5 feet in each direction when shower in on.

**CONNECTING PROPANE CYLINDER:** Propane must be in a vertical position and safely secured on cart when heating. Do not connect to remote gas supply.

**CHECK FOR LEAKS:** During set up, check all propane connections and fittings using soapy water (soap and water solution: 1 part liquid detergent to 3 parts water.) Bubbles near propane connection indicate 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

**WATER PRESSURE:** The Pro 100 works best when connected to water systems with 60-90 psi (most city water systems are regulated 80 psi). Never connect to systems with water pressure greater than 90 psi. If your water pressure is below 60 psi, the Pro 100 will deliver less than 2.0 gallons per minute. If water pressure drops, or water temperature increases, immediately point showerhead away from body and safely turn off heater until proper water pressure is regained.

**SHOWERHEADS:** The Pro 100 is designed for up to 3 showerheads. When adding your second & third showerheads, its common for water flow to decrease slightly to each showerhead and for temperature to change. Configure showerheads first then adjust water temperature. Showerhead has many spray patterns - Use CAUTION when switching patterns as temperature may increase when using patterns with less water flow. To purchase additional showerheads call 800-589-2849.

**TEMPERATURE CONTROL KNOB:** Check that the red or blue water temperature control knob is NOT shut off. Fully open water temperature control valve. If water pressure is still low, check to see if any other demands are connected to same water line. Shut off or disconnect other water hoses, etc. Check for kinked hoses. Low water pressure will NOT harm the system, but water temperatures will be high. When operating system with low water pressure, check that output water temperature is not too hot. To lower water temperature, turn down or turn off right burner. System not designed to heat water over 100°F. System not designed to heat water for consumption.

**ELECTRONIC IGNITION:** Your PRO shower is equipped with the best redundant sealed electronic ignitors available. If your ignitor fails it is probably due to weak batteries (AA). Replace battery 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 center first and then the other side. In just a second the burners will ignite. Water MUST be flowing before igniting.

**MANUAL IGNITION:** To ignite without "push button ignitor" place a long match through small hole on each side of PRO shower. Never attempt to ignite through bottom or top covers. Keep hands, face and clothing clear of top and bottom covers during ignition. Water MUST be flowing before igniting.

**COLD WATER TEMPERATURE:** Several factors contribute to cool water temperatures. The most common is a low or empty propane tank. A full propane tank delivers the best performance. Try to always use propane stored at room temperature, as cold propane also reduces performance. Adjust water temperature control valve to half flow. The lower the water flow, the hotter the water temperature will be.

**WATER DRIPPING FROM BOTTOM:** The water drops you see dripping from the bottom of the heater during use is normal. This is condensation and will occur every time heater is on and is more noticeable in areas with higher humidity.

**SHUTDOWN:** To shut down, turn off propane burners and allow water to continue flowing for 30 seconds. Allow system to cool before handling or storing. Drain water from hoses and heating coil. Turn propane tank valve "OFF" between uses. Make sure propane valves on PRO are turned to "OFF" Position.

**REMOVING PROPANE FROM UNIT:** 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 manufacturer's directions on propane cylinder for other warnings.

**CLEANING RECOMMENDATIONS:** To clean outside of shower housing, use a soft cotton cloth with soapy, warm water. Do not submerge entire shower in water. Rinse well with clean damp cloth.

**STORAGE:** Remove & disconnect propane cylinder from heater before transport and storage. In cold climates prevent freeze damage to coil, drain all water from coil with an air compressor. Always store propane outdoors.

If you experience a challenge with your Hazmatshower.com

**PLEASE Call 800-589-2849 or e-mail [help@zodi.com](mailto:help@zodi.com)**

# Caution - Read This Before Operating Heater:

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

Water must be flowing from heater before igniting propane burner(s). Water must always be flowing from showerhead when propane heater is heating.

If water pressure drops, or water temperature increases, immediately point showerhead away from body and safely turn off heater until proper water pressure is regained.

Do not use system indoors. The shower, like all propane devices, generates deadly carbon monoxide fumes when operating. This product is designed for outdoor use only. Do not operate shower inside shelters, trailer, facilities or other confined areas. Use only outdoors in well ventilated areas away from flammable material. Improper use may result in injury or death.

Check that all hoses are free of kinks. Most kinks occur during storage or immediately after use when the hoses are warm. Do not ignite heater with kinks in hose or showerhead.

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 open flames, near any pilot light, in direct sunlight, near any ignition source or where temperature exceeds 120°F.

The shower housing gets very hot when operating. Do not touch any part of the shower housing above the gas valve until heater has been safely turned off and has safely cooled. For best performance, shield system from wind and use full propane tanks stored at room temperature.

System not designed to heat water over 100°F. System not designed to heat water for consumption.

Propane must be in a vertical position and safely secured on transport cart when heating. Do not connect to remote gas supply.

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.

Under certain conditions hotter water can be obtained by turning gas valve down. Test water temperature before use. If too hot, turn down gas valve, if not hot enough adjust water flow by adjusting water temperature control knob.

When heater is on, small water drops caused by condensation will drip from bottom. This is normal, heater is NOT leaking.

Keep all flammable material at least 15 feet away from heater. Visually check burner for blue flame. If flame is yellow propane tank may be low and may need replacing with full propane tank. Do not obstruct or restrict the flow of air for combustion.

In cold climates prevent freeze damage by draining all water from coil. Use air compressor to blow through input hose to drain all water from coil.

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

Never have shower hose taut that it may cause the PRO shower to tip over.

Keep heater outdoors and restrict access for 5 ft. in all directions when heater is on. CAUTION - housing gets very hot when heating - keep clear. Do not operate unattended.

## CAUTION:

- Entire systems gets Hot. Do not touch!
- Read directions on sides of heater before use
- Do Not heat water over 100°F
- Do Not operate shower without water flowing from showerhead
- Keep shower outdoors in well ventilated area when operating
- 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

**WARRANTY DISCLAIMER:** Due to the harsh conditions that product may be exposed to, there is no warranty on electronic components including piezo push button. Do not change or alter this heater in any way or use this shower 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.

See updated directions and other hazmat products at [www.hazmatshower.com](http://www.hazmatshower.com)  
HazMatShower.com assumes no responsibility for improper use. Made in the USA. Patent Pending

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**800-589-2849**

**www.HazMatShower.com**