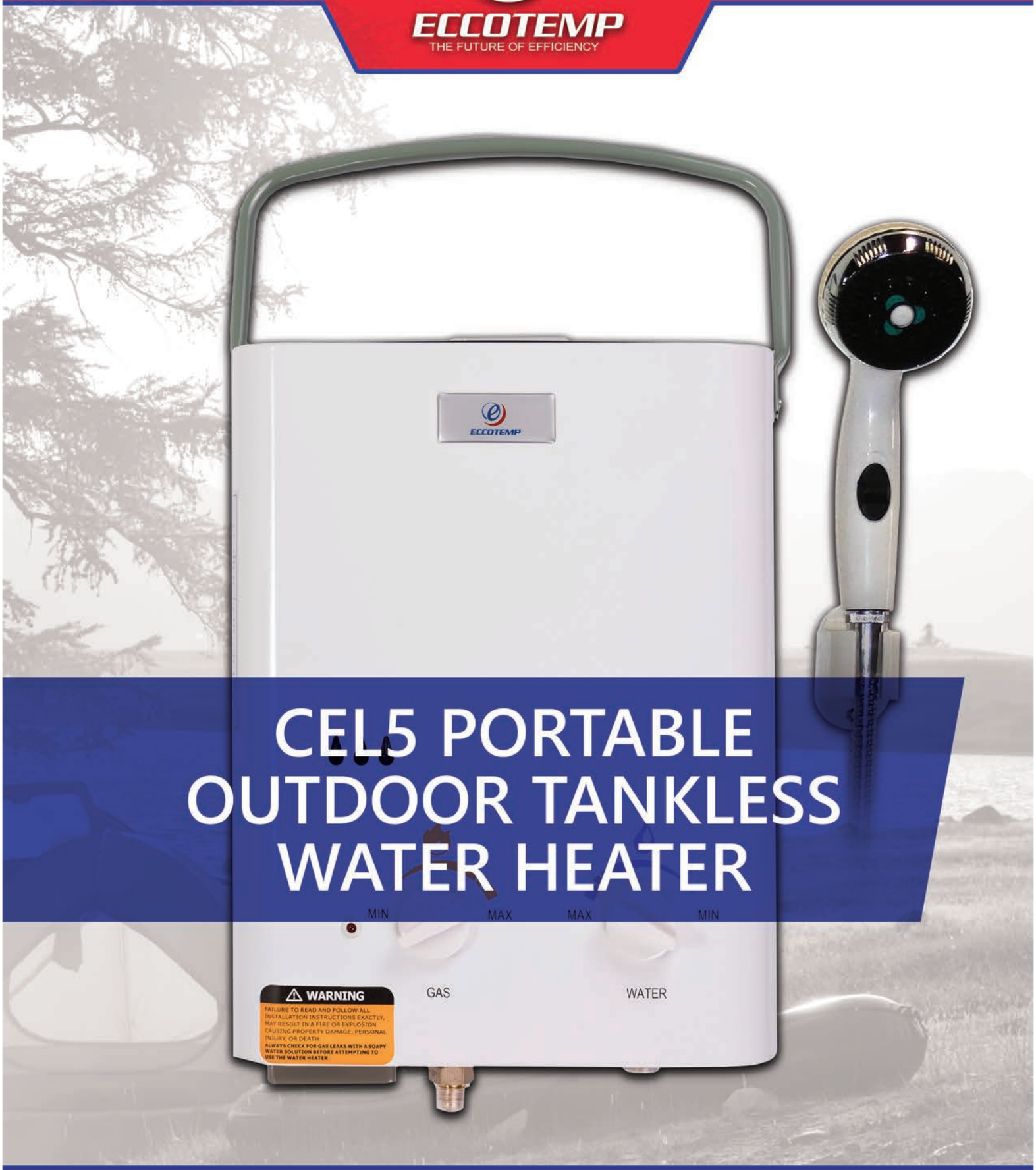
ECCOTEMP
THE FUTURE OF EFFICIENCY

CEL 5



CEL5 PORTABLE OUTDOOR TANKLESS WATER HEATER

PHONE: 866-356-1992 | EMAIL: SUPPORT@ECCOTEMP.COM | ADDRESS: 315 - A INDUSTRIAL RD SUMMERVILLE, SC 29483

SUPPORT: ECCOTEMP.COM/HELP-DESK **SHOP ONLINE:** ECCOTEMP.COM/PRODUCT **STORE LOCATOR:** ECCOTEMP.COM/LOCATOR

ECCOTEMP.COM

English CEL 5

ECCOTEMP

OUTDOOR GAS WATER HEATER

MODEL: L5

CE 0359-10

PIN NO. 0359CL1124

Country of Destination	BE, FR, GB, GR, IE IT, PT, ES, CH	CY, CZ, DK, EE, FI, LT MT, NL, NO, SK, SI, SE HU, BG, LV, LU, RO	DE, AT, CH, SK
Appliance Categories	I 3+	I 3B/P	I 3B/P
Type of Gas	G30/G31	G30	G30
Supply Pressure (mbar)	28-30/37	30	50
Min Gas Pressure (mbar)	20	20	42
Max Gas Pressure (mbar)	35	35	57
Supply Pressure (mbar)	28-30/37	30	50
Injector Size (mm)	0.60	0.60	0.50
Applicable Water Pressure (mpa)	0.025-0.1		
Heat Input (Hs)	16 (kW)		

Gas Pressure

WARNING

- Read this instruction before use.
- For outdoor use only.
- Warning: Accessible parts may be very hot, Keep young children away.
- Never move it during operation. Wait for about 7 minutes after extinguished the flame before moving it.
- Check the gas type before you connect it to the water heater, improper gas will cause serious danger.
- This heater is not to be used in wind speeds above 10kph. The heater will extinguish at used in wind speed above 10kph. This feature is governed by the safety featured fitted to the appliance.
- This appliance must not be used in enclosed areas, for example under awnings or tents.
- The appliance must be hung correctly before use. Never use the appliance placed on the ground.
- This appliance must be installed in accordance with any national situation in force in the country of use.
- This appliance should be sited in an open area using, a natural surround features to protect it from direct winds.

Eccotemp Systems, LLC
Add: 315-A Industrial Road, Summerville, SC 29483 USA

MADE IN CHINA

ECCOTEMP

CHAUFFE-EAU À GAS DE PLEIN AIR

MODÈLE: L5

CE 0359-10

PIN NO. 0359CL1124

Pays de destination	BE, FR, GB, GR, IE IT, PT, ES, CH	CY, CZ, DK, EE, FI, LT MT, NL, NO, SK, SI, SE HU, BG, LV, LU, RO	DE, AT, CH, SK
Catégories d'appareils	I 3+	I 3B/P	I 3B/P
Type de gaz	G30/G31	G30	G30
Pression d'alimentation (mbar)	28-30/37	30	50
Pression du gaz min (mbar)	20	20	42
Pression du gaz max (mbar)	35	35	57
Pression d'alimentation (mbar)	28-30/37	30	50
Dimensions de l'injecteur (mm)	0.60	0.60	0.50
Pression d'eau applicable (mpa)	0.025-0.1		
Apport de chaleur (Hs)	16 (kW)		

Pression du gaz

AVERTISSEMENT

- Lisez ces instructions avant utilisation.
- Pour usage extérieur seulement.
- Attention: les parties accessibles peuvent être très chaudes. Éloignez des jeunes enfants.
- Ne jamais déplacer pendant le fonctionnement. Attendre pendant environ 7 minutes après extinction de la flamme avant de le déplacer.
- Vérifiez le type de gaz avant de le brancher au chauffe-eau, du gaz incorrect peut cause un grave danger.
- Cet appareil de chauffage ne doit pas être utilisé sous des vitesses de vent supérieures à 10km/h. Le chauffe-eau va s'éteindre dans une vitesse de vent au-dessus de 10km/h. Cette fonction est régie par le dispositif de sécurité monté sur l'appareil.
- Cet appareil ne doit pas être utilisé dans des espaces clos, par exemple sous des auvents ou des tentes.
- Cet appareil doit être accroché correctement avant l'utilisation. Ne jamais utiliser l'appareil placé sur le terrain.
- Cet appareil doit être installé conformément à toutes les régulations nationales en vigueur dans le pays d'utilisation.
- Cet appareil doit être installé dans une zone ouverte, dans des caractéristiques naturelles le protégeant des vents directs.

Systèmes Ecotemp, LLC
Add: 315-A Industrial Road, Summerville, SC 29483 USA

FABRIQUÉ EN CHINE

ECCOTEMP

AUSSENMONTIERTER GAS-DURCHLAUFERHITZER

MODELL: L5

CE 0359-10

PIN NO. 0359CL1124

Bestimmungsland	BE, FR, GB, GR, IE IT, PT, ES, CH	CY, CZ, DK, EE, FI, LT MT, NL, NO, SK, SI, SE HU, BG, LV, LU, RO	DE, AT, CH, SK
Gerätekategorien	I 3+	I 3B/P	I 3B/P
Gasart	G30/G31	G30	G30
Gasdruck-Zufuhr (mbar)	28-30/37	30	50
Gasdruckminimum (mbar)	20	20	42
Gasdruckmaximum (mbar)	35	35	57
Gasdruck-Zufuhr (mbar)	28-30/37	30	50
Injektorgröße (mm)	0,60	0,60	0,50
Anwendbarer Wasserdruck (mPa)	0,025-0,1		
Wärmezufuhr	16 (kW)		

Gasdruck

WARNUNG

- Lesen Sie die Anleitungen vor der Inbetriebnahme.
- Nur für den Aussenbereich.
- Warnung: Die zugänglichen Teile können sehr heiss werden. Kinder fernhalten!
- Bei Betrieb nicht versetzen. Warten Sie etwa 7 Minuten nach dem Verlöschen der Flamme bis Sie den Erhitzer versetzen.
- Prüfen Sie die Gasart vor dem Anschluss des Erhitzers; durch unzulässiges Gas entsteht große Gefahr.
- Diesen Erhitzer bei Windgeschwindigkeiten von über 10km/h nicht verwenden. Bei Windegeschwindigkeiten von über 10km/h, wird die Flamme des Erhitzers verlöschen. Diese Sicherheitsfunktion ist im Gerät eingebaut.
- Das Gerät darf nicht in geschlossenen Räumen/Bereichen eingesetzt werden, wie zum Beispiel unter Markisen oder Zelten.
- Das Gerät muss vor der Inbetriebnahme sachgemäss aufgehängt werden. Niemals das Gerät auf dem Boden stehend einsetzen.
- Dieses Gerät muss gemäß den nationalen Bestimmungen des jeweiligen Landes der Inbetriebnahme installiert werden.
- Dieses Gerät sollte im offenen Bereich eingesetzt werden in einem natürlichen, vor direkten Winden geschützten Umfeld.

Eccotemp Systems, LLC
315-A Industrial Road, Summerville, SC 29483 USA

ECCOTEMP

GAS GEISER

MODEL: L5

CE 0359-10

PIN NO. 0359CL1124

Land van bestemming	BE, FR, GB, GR, IE IT, PT, ES, CH	CY, CZ, DK, EE, FI, LT MT, NL, NO, SK, SI, SE HU, BG, LV, LU, RO	DE, AT, CH, SK
Categorieën apparatuur	I 3+	I 3B/P	I 3B/P
Gastype	G30/G31	G30	G30
Toevoerdruk (mbar)	28-30/37	30	50
Min gasdruk (mbar)	20	20	42
Maxgasdruk (mbar)	35	35	57
Toevoerdruk (mbar)	28-30/37	30	50
Injectorgrootte (mm)	0,60	0,60	0,50
Nominale waterdruk (mPa)	0,025-0,1		
Warmtetoevoer (Hs)	16 (kW)		

Gasdruck

WAARSCHUWING

- Deze instructies doorlezen vóór gebruik.
- Alleen voor gebruik buiten.
- Waarschuwing: uitstekende delen kunnen zeer heet worden. Houd jonge kinderen op afstand.
- Nooit verplaatsen tijdens gebruik. Wacht na het doven van de vlam minstens 7 minuten alvorens het system te verplaatsen.
- Controleer het gastype voordat u het gas op de geiser aansluit. Gebruik van het verkeerde type gas kan zeer gevaarlijk zijn.
- Deze geiser mag niet gebruikt worden bij windsnelheden boven 10 km/u. De geiser zal automatisch uitgaan indien gebruikt bij windsnelheden boven 10 km/u. Dit is een ingebouwde veiligheidsfunctie.
- Dit apparaat mag niet in afgesloten ruimtes zoals onder luifels of in tenten gebruikt worden.
- Dit apparaat moet vóór gebruik op de juiste manier zijn opgehangen. Gebruik het apparaat nooit terwijl het op de grond staat.
- Dit apparaat moet volgens de plaatselijke normen in het land van gebruik worden geïnstalleerd.
- Dit apparaat dient in een open ruimte geplaatst te worden, beschermd tegen wind.

Eccotemp Systems, LLC
315-A Industrial Road, Summerville, SC 29483 USA

IMPORTANT SAFETY INFORMATION READ ALL INSTRUCTIONS BEFORE USING

Be sure to read and understand the entire Use and Care Manual before attempting to install or operate this water heater. It may save you time and money. Pay particular attention to the Safety Instructions. Failure to follow these warnings could result in serious bodily injury or death. Should you have problems understanding the instructions in this manual, or have any questions, STOP, and get help from a qualified service technician, or the local gas utility.

DANGER!

PROPERLY INSTALL WATER HEATER

Failure to properly install the water heater outdoors as outlined in the Installation Instructions in this manual can result in unsafe operation of the water heater. To avoid the risk of fire, explosion, or asphyxiation from carbon monoxide, never operate this water heater unless it is installed properly and has an adequate air supply for proper operation. Be sure to inspect the flue terminal for proper installation at initial start-up; and at least annually thereafter. Refer to the Care and Cleaning section of this manual for more information regarding flue terminal inspection.

WARNING!

Gasoline, as well as other flammable materials and liquids (adhesives, solvents, paint thinners etc.), and the vapors they produce are extremely dangerous. DO NOT handle, use or store gasoline or other flammable or combustible materials any where near or in the vicinity of a water heater or any other appliance. Be sure to read and follow the labels on the water heater, as well as the warnings printed in this manual. Failure to do so can result in property damage, bodily injury or death.

DANGER

Vapors from flammable liquids will explode and catch fire causing death or severe burns.

Do not use or store flammable products such as gasoline, solvents or adhesives In the same room or area near the water heater.

Keep flammable products :
1. Far away from heater
2. In approved containers
3. Tightly closed
4. Out of children's reach

Water heater has a main burner flame. The main burner flame

1. Can come on at any time and
2. Will ignite flammable vapors.

Vapors:

1. Cannot be seen
2. Are heavier than air
3. Go a long way on the floor
4. Can be carried from other rooms to the main burner flame by air currents.

Installation:
Do not Install water heater where flammable products will be stored or used unless the main burner flame Is at least 18" above the floor. This will reduce, but not eliminate, the risk of vapors being ignited by the main burner flame.

Read and follow water heater warnings and Instructions. If owners manual is missing, contact the retailer or manufacturer.

PLEASE NOTE: THIS MODEL IS NOT RECOMMENDED NOR HAS IT BEEN TESTED FOR ANY PERMANENT INSTALLATIONS. THIS MODEL IS PART OF OUR PORTABLE SERIES AND NEEDS TO BE TAKEN DOWN AND STORED IN A WARM DRY PLACE AFTER EVERY USE.
THIS MANUAL AND ALL ECCOTEMP CONTENT IS SUBJECT TO CHANGE WITHOUT NOTICE.

Congratulations!

You've just purchased a new Eccotemp L5 portable tankless water heater. This will open a world of enjoyment to going tankless!

We highly suggest you take the time to read through all of the safety and installation procedures in this manual, before attempting to install your new water heater.

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Features and Benefits 22-23

Construction & Parts 24

Getting Started 25-26

Use and Starting ..... 26 - 27

Troubleshooting Guide 28-29

Technical Support 30-31

FOR YOUR RECORDS
Write the model and serial numbers here:
#_____

#_____

You can find them on a label on the appliance and/or packaging.

Staple sales slip or canceled check here.

Proof of the original purchase date is needed to obtain service under the warranty.

READ THIS MANUAL
Inside you will find many helpful hints on how to use and maintain your water heater properly. A little preventive care on your part can save you time and money over the life of your water heater. You'll find many answers to common problems in the Troubleshooting Guide. If you review the chart of Troubleshooting Tips first you may not need to call for service.

READ THE SAFETY INFORMATION
Your safety and the safety of others are very important. There are many important safety messages in this manual and on your appliance. Always read and obey all safety messages. This is the safety alert symbol. Recognize this symbol as an indication of Important Safety Information! This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and the words: **"DANGER", "WARNING", "CAUTION"** or **"NOTICE".**

These words mean:

DANGER - An imminently hazardous situation that will result in death or serious injury.

WARNING - A potentially hazardous situation that could result in death or serious injury and/or damage to property.

CAUTION - A potentially hazardous situation that may result in minor or moderate injury.

NOTICE: Attention is called to observe a specified procedure or maintain a specific condition.

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DANGER!

NATURAL GAS AND LIQUEFIED PETROLEUM MODELS

Both LP and natural gas have an odorant added to aid in detecting a gas leak. Some people may not physically be able to smell or recognize this odorant. If you are unsure or unfamiliar with the smell of LP or natural gas, ask the gas supplier. Other conditions, such as "odorant fade," which causes the odorant to diminish in intensity, can also hide or camouflage a gas leak. Always check with commercial leak detector or soapy water.

Gas detectors are recommended in LP and natural gas applications and their installation should be in accordance with the detector manufacturer's recommendations and/or local laws, rules, regulations or customs.

- Water heaters utilizing LP gas are different from natural gas models. A natural gas water heater will not function safely on LP gas and vice versa.
- No attempt should ever be made to convert the water heater from natural gas to LP gas. To avoid possible equipment damage, personal injury or fire, do not connect the water heater to a fuel type not in accordance with the portable tankless water heater data plate; propane for propane portable tankless water heaters and natural gas for natural gas portable tankless water heaters. These portable tankless water heaters are not certified for any other fuel type.
- LP appliances should not be installed below grade (for example, in a basement) if such installation is prohibited by federal, state and/or local laws, rules, regulations or customs.
- Propane or LP gas must be used with great caution. It is heavier than air and will collect first in lower areas making it hard to detect at nose level.
- Before attempting to light the water heater, make sure to look and smell for gas leaks. Use a soapy solution to check all gas fittings and connections. Bubbling at a connection indicates a leak that must be corrected. When smelling to detect a gas leak, be sure to sniff near the floor also.
- It is recommended that more than one method, such as soapy solution, gas detectors, etc., be used to detect leaks in gas applications.

***Notice:* If a gas leak is present or suspected:**

- **DO NOT attempt to find the cause yourself.**
- **DO NOT try to light any appliance.**
- **DO NOT touch any electrical switch.**
- **DO NOT use any phone in your building.**
- **Leave the house immediately and make sure your family and pets leave also.**
- **Leave the doors open for ventilation and contact the gas supplier, a qualified service agency or the fire department.**
- **Stay away from the house (or building) until the service call has been made, the leak is corrected and a qualified agency has determined the area to be safe.**

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ADDITIONAL WARNINGS

1. Do not leave unattended.

2. The exhaust gas and top of the portable tankless water heater is HOT! Do not place hands or any foreign object near the top of the heater.

3. Do not use in high wind conditions.

4. If the smell of gas is detected, turn off the gas valve at the tank immediately! Do not use flame for leak detection.

5. Use only Liquid Propane.

6. Use only outdoors.

7. Do not over tighten the gas regulator connection to the portable tankless water heater with a wrench. This may cause a crack in the gas regulator.

The Purpose and Benefits the L5

The Eccotemp L5 is a portable liquid propane fired water heater capable of delivering 1 to 1.5 gallons (4 to 5 liters) per minute of hot water almost anywhere. The portable tankless water heater has standard BSP fittings and an adapter for using a standard garden hose for inlet water supply (certain regional models).

The L5 is not a toy. People around the world use similar portable tankless water heaters to heat the water around their homes, safely, and reliably.

Gas is supplied from a propane cylinder (not included) such as used with outdoor grills. A regulator with hose, or a pair of hoses to use with your region's regulator, is furnished with the heater.

A shower nozzle with on/off switch and multiple spray patterns is included.

Ignition is automatic and powered by 2 "D" cell batteries (not included). Burners come on when water flows, and off when the water is shut off. No pilot light!

There is an automatic 20 minute shutoff timer as an additional safety feature. This timer is reset each time operation stops or the shower head is turned off and then back on.

Ideal operating use with water pressure between 20-80 PSI / 1.4-5.5 bar.

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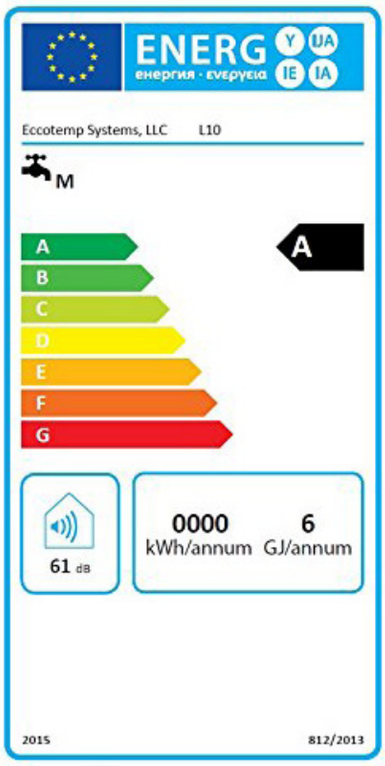
Functions and Features

- **Water controlled automatic ignition: Water pressure between 20-80 PSI and 2.9-3.8 LPM opens the ignition circuit for easy and convenient operation.**
- **Auto-cut-off protection: The auto-cut-off protection will shut the gas supply off immediately in the event of flameout to reduce the risk of gas leakage.**
- **Removable drain valve to avoid water pipe and regulator damage caused by freezing water*.**
- **Anti-dry combustion protection: The portable tankless water heater will shut off the gas supply in the event water stops flowing through the portable tankless water heater.**

***Read the maintenance section on draining the portable tankless water heater entirely to avoid freeze issues**

TEMPERATURE INCREASE PER LPM					
MODEL	Gas Setting	5.5 LPM	7.5 LPM	9.5 LPM	11 LPM
L5 Portable	Highest °	53 °	27 °	18 °	14 °
	Lowest °	19 °	9 °	6 °	5 °

***Temperature increases listed are based on use of the water heater under optimal conditions. Variable factors such as incorrect or imperfect installations and varying incoming water temperatures may yield different results.**



TECHNICAL SPECIFICATIONS - PORTABLE	
Fuel Type	LPG (Liquid propane gas)
Model	L5
Ignition	Electric Pulse, D cell Battery Powered (No electrical connection required)
Protections	Auto-cut off water control, automatic ignition, anti-dry combustion protection, over-pressure overheating and flameout protection
Dimensions	11.5" x 17.0" x 4.7"
Pipe Fittings	1/2" BSP, incoming/outgoing water & gas
Additional Technical Specification	See page 13.

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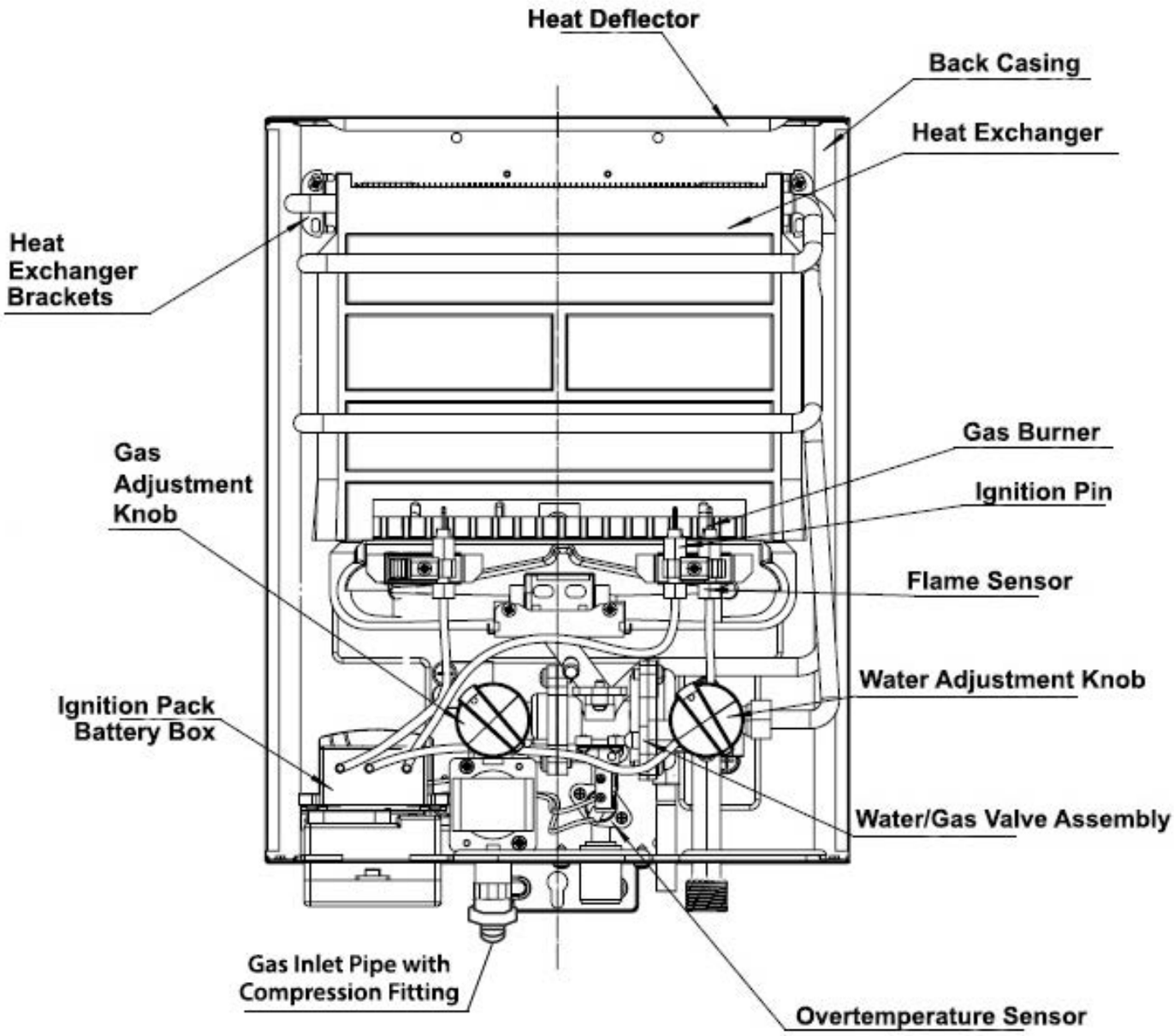
Construction and parts of the L5



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Getting Started

1. Check box for damage. Damages caused in shipment must be reported immediately.

2. Make sure you have all the parts.
Please note: Included parts and accessories may vary depending on county and regulations.

qty. 1 - Water heater

qty. 1 - Hardware pack

qty. 1 - 1/2" NPT to garden hose adapter

qty. 1 Gas Regulator

qty. 1 - Gas hose and regulator

3. If using a standard garden hose, attach the 3/4" NPT to garden hose adapter to the fitting marked 'Water Input". Use Sealant tape or other approved sealing method on the threads for a secure, water tight fit. Check to make sure the screen inside the water inlet is in place and clean. Then attach your water input/garden hose.

4. Install gas supply line and regulator to the portable tankless water heater by using 2 wrenches, one on the compression fitting already attached to the water heater and the other on the gas line. DO NOT OVER TIGHTEN. OVER TIGHTING MAY CRACK THE GAS REGULATOR CAUSING A GAS LEAK! Check for any gas smell before ignition! Make sure it is screwed all the way on.

5. Attach the water output to the fitting marked 'Water Outlet.' Do not over tighten.

6. Install two "D" cell batteries in the compartment on the bottom left of the heater. Check that batteries are facing the correct direction.

7. Use the top tab on the portable tankless water heater to suspend from a mounted screw capable of holding 15 kilograms. Place at a comfortable height without putting stress on the gas hose.

8. Attach the gas regulator hose to the LP tank using a wrench to tighten. Finally use a wrench to hold the adapter that's connected to the water heater in place and connect the end of the regulator hose to the adapter using another wrench. After connecting it's imperative you inspect for gas leaks. See page 3 for instructions on how to test for leaks.

⚠ WARNING!

GAS HOSE ADAPTER

THE L5, & L10 PORTABLE TANKLESS WATER HEATERS HAVE A 1/2" TO 1/4" LH ADAPTER IN THE HARDWARE PACK FOR ATTACHMENT OF THE LP HOSE TO THE HEATER.

THIS ADAPTER MUST BE INSTALLED WITH THREAD SEALANT, A SPOOL OF SEALANT TAPE IS INCLUDED WITH THE HEATER.

MULTIPLE WRAPS OF SEALANT TAPE MAY BE NECESSARY TO ASSURE COMPLETE SEAL.

ALWAYS CHECK FOR GAS LEAKS BEFORE USING HEATER.

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Before going to the USE section:

Check around area for flammables, especially gasoline or other vapors which may ignite. The Exhaust and top of the portable tankless water heater will get HOT! Make sure there are no foreign objects around the portable tankless water heater or have fallen into the top.

Ensure that the unit is at least 60cm off the ground and equally removed from any inflammable materials. Always use the mounting tab on the back of the unit, this will ensure the proper 1cm spacing between the unit and a wall or post sensitive to heat. Ensure that no obstruction or projection reduces the space between the unit and the wall or post to less than 1cm.

Use and Starting

Warning: This model is intended for recreational & portable use only. This model CANNOT be permanently mounted or plumbed in any way.

1. Turn on incoming water supply. Ensure that you have adequate water pressure of between 40-5O PSI / 2.7 - 3.4 bar.

2. Turn your water output device to its "off" position.

3. Turn the gas valve on the cylinder all the way open.

4. IF THE SMELL OF GAS IS DETECTED, TURN OFF THE GAS VALVE IMMEDIATELY!!

5. Set the water regulator knob on the face of the portable tankless water heater to its highest setting.

6. Set the gas regulator knob on the face of the portable tankless water heater to its minimum setting.

7. Turn on your water output device to the "on" position and adjust to the desired water flow.

8. There will be a series of audible clicks and the burner will ignite. Should the burner not ignite after 5 seconds, shut off and go to the "Trouble Shooting" section.

9. Upon completion of use or storage, open the drain valve (ribbed cylindrical stem next to the water input valve) to ensure draining of water.

10. Turn off your gas supply.

11. WARNING: If the outside temperature is around or below freezing (32 degrees F, 0 degrees C), ensure that the drain valve is opened and water drained from the portable tankless water heater after each use to avoid internal damage to the water regulator. You will also need to unhook the outgoing water line to ensure that any water in the heat exchanger is drained. Failure to properly drain your portable tankless water heater will cause water damage which may or may not be reparable. Please check the warranty information found on our website at www.eccotemp.com/freeze for more information on freezing issues.

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Adjustment

The temperature of the outgoing water is dependent on the temperature of the incoming water balanced with the amount of heat applied. Use extreme caution in setting the outlet water temperature.

1. **With the water regulator set to high, and the gas regulator set to low, feel the outgoing water. This is the lowest setting available.**

2. **To initially raise the outgoing temperature, slowly turn the gas valve towards maximum. Adjust slowly and check the temperature often. There will be a slight delay between increasing the gas supply and the increase in water temperature.**

3. **Should the outlet water temperature need to be higher, slowly reduce the water flow regulator until desired temperature is reached.**

(Warning: Do not alter or change this water heater's original temperature sensor)

WARNING: THE PORTABLE TANKLESS WATER HEATER IS CAPABLE OF PRODUCING SCALDING WATER TEMPERATURES!

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DO NOT RETURN TO STORE

Please contact support listed on page 11 if you encounter a problem!

Troubleshooting

Portable tankless water heater will not start – there are no audible clicks at startup:

a. The first thing to check is to ensure that the incoming water on the "right" side of the portable tankless water heater. If the incoming and outgoing are reversed, the portable tankless water heater will not work. The incoming is on the far right and the outgoing is in the middle.

b. The "On/Off" switch should be with the"-" sign pushed down.

c. Check to make sure you have fresh batteries and they are installed in the correct position.

d. Number one reason that the portable tankless water heater does not ignite is that there is not enough water pressure. You need to make sure that you have a minimum of 20 PSI / 1.4 bar of sustained water pressure.

ADJUSTMENT: Looking up at the bottom of the portable tankless water heater, you will see 2 oval holes in the case. The hole that is furthest on the right looks up at the water regulator where you will see two Phillips head screws. Take the screw that is furthest on the right in about a 1/4 or 1/2 turn. This will enable the portable tankless water heater to operate on a lower water pressure by restricting flow.

There is a simple test that we can help you perform if you are unaware if you have enough water pressure. Please contact support listed on page 11 for additional troubleshooting steps.

e. A wire has become disconnected inside the portable tankless water heater during shipping. Make sure the gas is OFF and the switch is in the OFF position. The front cover is held by four screws, two top, two bottom. The knobs pull off. All the wiring is done with push together plastic connectors. They are all visible without further dismantling of the portable tankless water heater. It should be obvious when a wire has become disconnected.

NOTE: Before attempting to remove the cover, Please contact support listed on page 11

f. It is possible that some debris or epoxy might have entered the water regulator. Check to see if the filter screen on the waler inlet is clear of debris. You can also reverse the hookup by taking your water source and hooking it up to the water outlet side and back flushing the system.

Propane gas cylinders sometimes are contaminated with air, especially new tanks upon their first filling. Cycle the portable tankless water heater on and off by using the shower head switch several times (5) to purge the air from the gas.

Should a portable tankless water heater fail to light or stay lit after 10 cycles, Please contact support listed on page 11

Portable tankless water heater will not start – but there are audible clicks at startup:

a. The portable tankless water heater requires a minimum of about 2 GPM and a minimum of about 25 PSI / 1.7 bar. Note: water pressure is at the lower end of operating parameters. You will need a sustained water pressure of approximately 40-60 PSI (2.8 - 4.1 bar) for adequate use if you are using a 12/18/120 volt pump. See adjustment in previous section.

b. High Wind. For safety reasons the heater will not start in sustained wind, find an alternate location for the water heater.

c. Out of, or low on gas. Propane gas cylinders sometimes are contaminated with air, especially new tanks upon their first filling. Cycle the portable tankless water heater on and off by using the shower head switch several times (5) to purge the air from the gas.

PLEASE NOTE: THIS MODEL IS NOT RECOMMENDED NOR HAS IT BEEN TESTED FOR ANY PERMANENT INSTALLATIONS. THIS MODEL IS PART OF OUR PORTABLE SERIES AND NEEDS TO BE TAKEN DOWN AND STORED IN A WARM DRY PLACE AFTER EVERY USE.
THIS MANUAL AND ALL ECCOTEMP CONTENT IS SUBJECT TO CHANGE WITHOUT NOTICE.

Troubleshooting Continued...

d. One of the ignition sensors is bent and/or too close to the burner. Look to ensure that the ignition pins and the heat sensor are completely vertical and they do a 90 degree to the back of the box. If they are not straight (i.e. a 45 degree angle) then you can straighten them with pliers. Please contact support listed on page 11 for assistance with this matter.

e. The thermocouple is either too high or too low to complete the circuit. Check to ensure that the thermocouple is flush with the hole in the heat exchanger. Please contact support listed on page 11 for assistance with this matter.

f. The gas sensor wire might have come loose or is no longer connected. Please contact technical support listed on page 11 for assistance with this matter.

<u>The water does not get hot enough:</u>

a. You are operating the portable tankless water heater above 4000 ft / 1200m. While it has been field tested up to 5,500ft / 1600m, we only recommend using it below elevations of 4,000-5,500 ft / 1200-1600m.

b. Look into the viewer panes (3 teardrop shaped windows on the front cover) to see if there is a blue flame. If the flame is yellow there could be a cracked gas regulator. Do Not Attempt to use the portable tankless water heater and Please contact support listed on page 11

c. Please contact support listed on page 11 for more troubleshooting solutions.

<u>Water is flowing. but there is no hot water coming out:</u>

a. Ensure that you have the incoming water supply and the outgoing water supply hooked up properly. Your water supply should be attached to your incoming connection (located on the far right) and the shower head should be attached to the outgoing water (located as the center connection).

b. Ensure that you have adequate water pressure of at least 20 PSI / 1.4 bar, sustained.

c. Ensure that you have adequate gas in your propane bottle and that the LP regulator is threaded all of the way on to the portable tankless water heater.

d. Fresh batteries are required for ignition spark. Make sure batteries are aligned in the proper polarity(+/-) Flat negative of battery towards spring side of battery compartment.

e. Please contact support listed on page 11.

If you are still having troubles or are on a modified water system, Please contact support listed on page 11.

<u>The portable tankless water heater does nothing:</u>

a. Ensure that you have your water source hooked up to the water inlet side (far right connection) and the shower handle is hooked up on the water outlet side (middle connection).

b. Ensure that you have an adequate supply of propane.

c. Ensure that you have fresh batteries.

d. Please contact support listed on page 11.

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CE 0359

WARNING

Read this instruction before use.

- For outdoor use only.
- Warning: Accessible parts may be very hot, keep young children away.
- Never move it during operation. Wait for about 7 minutes after extinguished the flame before moving it.
- Check the gas type before you connect it to the water heater, improper gas will cause serious danger.
- This heater is not to be used in wind speeds above 10 kph. The heater will extinguish at wind speed above 10 kph. The feature is governed by safety fitted to the appliance.
- This appliance must not be used in enclosed areas, for example under awnings or tents.
- The appliance must be hung correctly before use. Never use the appliance placed on the ground.
- This appliance must be installed in accordance with any natural surrounding features to protect it from direct winds.

Technical Support

For Technical Support Please Contact:

Eccotemp Systems LLC
Web: eu.eccotemp.com
E-mail: Support@eccotemp.com
Phone: 1.866.356.1992
Address: 315A Industrial rd.
Summerville, SC 29483

Technical Data

Country of Destination	BE, FR, GB, GR, IE, IT, PT, ES, CH	CY, CZ, DK, EE, FI, LT, MT, NL, NO, SK, SI, SE, HU, BG, LV, LU,	DE, AT, CH, SK
Appliance Categories	I3+	RO	I3 B/P
Type of gas	G30/G31	I3 B/P	G30
Supply pressure (mbar)	28-30/37	G30	50
min gas pressure (mbar)	20	30	42
Max gas pressure (mbar)	35	20	57
Supply pressure (mbar)	28-30/37	35	50
Injector Size (mm)	0.67	30	0.60
Applicable water pressure (mPa)	0.025-0.1		
Heat Input (Hs)	10 (kW)		
Load Profile	XS		
Efficiency Class	A+++		
Efficiency %	80%		
Annual Fuel Consumption	3 GJ		
Thermostat (max)	55 C		
Sound Power Level	60dB		

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Eccotemp Systems ,LLC
Limited Warranty Information

EccoTemp hereby warrants this product to be free of material defects in materials and workmanship when installed and operated according to EccoTemp's installation and operating instructions. This Limited Warranty extends to the original purchaser and subsequent owners, but only while the product remains as the site of the original installation. This Limited Warranty terminates if moved or reinstalled at a new location. There are no warranties, express or implied made or given other than contained in this Limited Warranty. No agent, employee or representative of EccoTemp has any authority to bind EccoTemp to any representation or warranty concerning the Product not contained in this Limited Warranty.

Except as expressly set forth herein, THERE ARE NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ANY GOODS SOLD HEREUNDER. BUYER'S EXCLUSIVE REMEDY IS LIMITED TO PARTS OR REPLACEMENT OF THE GOODS SOLD, AT ECCOTEMP'S DISCRETION. ECCOTEMP SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Item Period of Coverage

Heat Exchanger 1 year

All other parts 1 year

Free Accessories (Showerhead ,hose ,regulator, etc) 30 days

Coverages are void if the unit is used in a hot water circulation loop, in series with a circulation system or where an on-demand recirculation system is not incorporated.

This Limited Warranty becomes null and void if any of the following are determined to be a contributing factor to the failure of the product:

1. Abuse, misuse, alteration, neglect or misapplication;

2. Improper or inadequate maintenance;

3. Inadequate water quality;

4. Installation in a corrosive or otherwise destructive environment;

5. Freeze Damage;

6. Scale buildup;

7. Incorrect gas or water pressure;

8. Acts of force Majeure

This Product is not to be used as a pool or spa heater.

Shipping Related Costs:

All shipments of any type of product coming to Eccotemp for any reason must have an RGA for any repairs to be made. Please contact Eccotemp to obtain an RGA number prior to shipping anything to Eccotemp. Failure to do so could result in loss of product. Eccotemp will not be responsible for replacement due to loss or damage if these steps are not properly followed.

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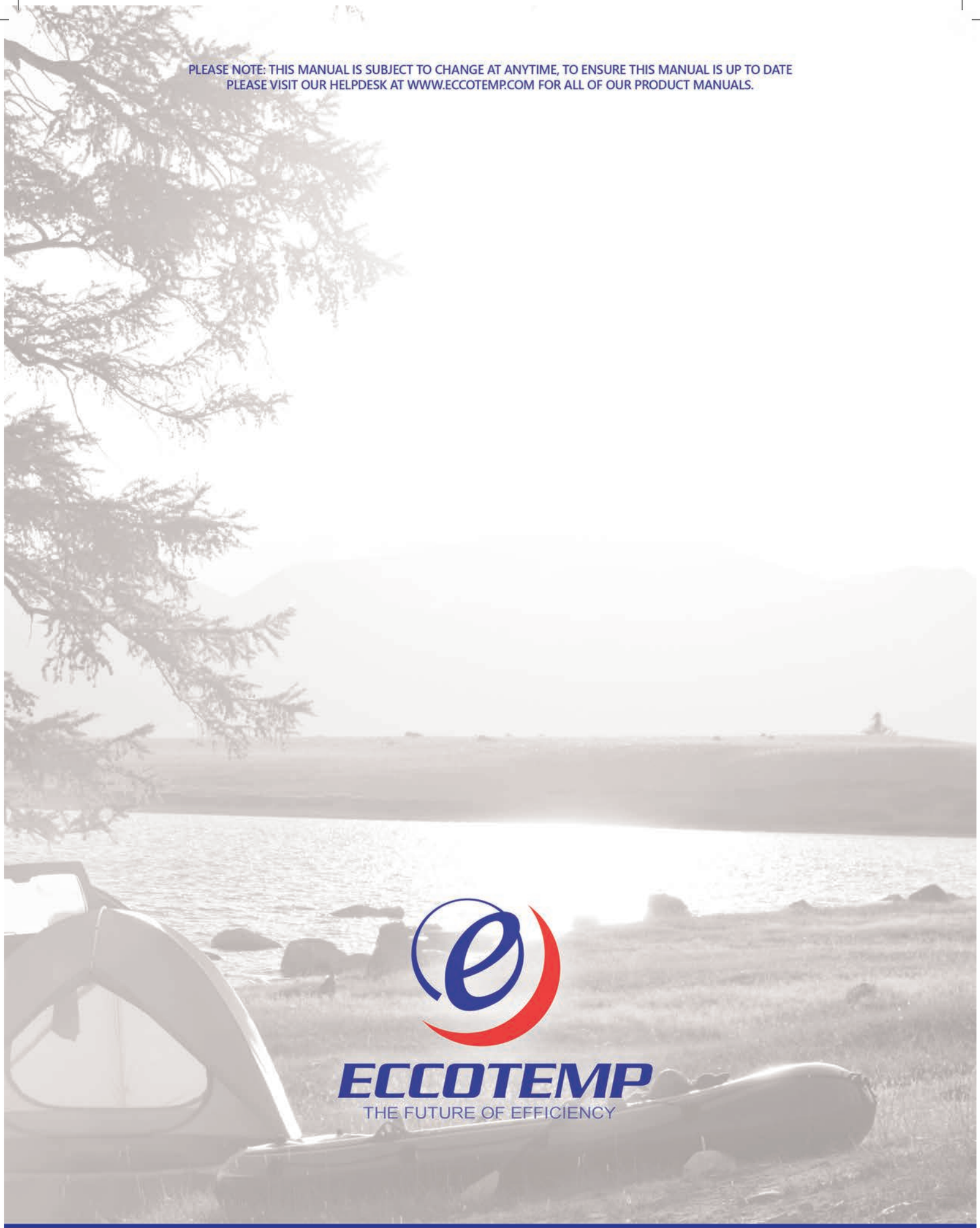
PLEASE NOTE: THIS MANUAL IS SUBJECT TO CHANGE AT ANYTIME, TO ENSURE THIS MANUAL IS UP TO DATE PLEASE VISIT OUR HELPDESK AT WWW.ECCOTEMP.COM FOR ALL OF OUR PRODUCT MANUALS.



ECCOTEMP

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PHONE: 866-356-1992 | EMAIL: SUPPORT@ECCOTEMP.COM | ADDRESS: 315 - A INDUSTRIAL RD SUMMERVILLE, SC 29483

SUPPORT: ECCOTEMP.COM/HELP-DESK **SHOP ONLINE:** ECCOTEMP.COM/PRODUCT **STORE LOCATOR:** ECCOTEMP.COM/LOCATOR

ECCOTEMP.COM