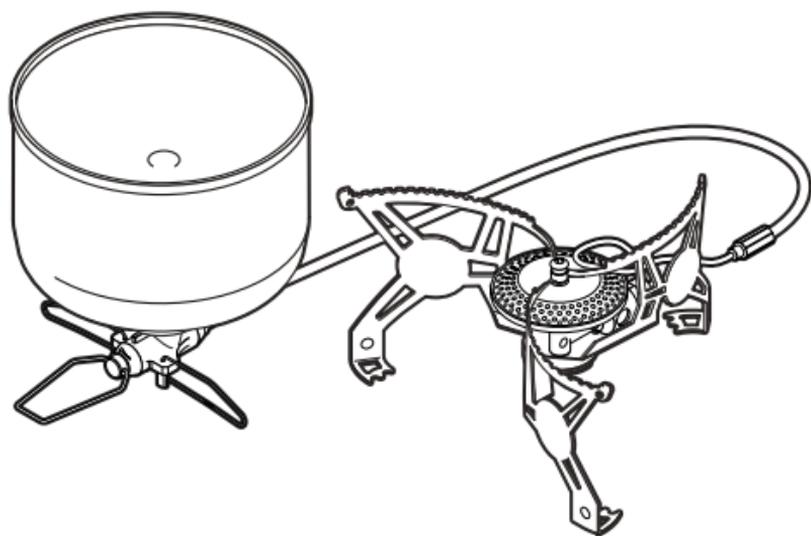


# OPTIMUS

## VEGA®

Optimus Vega – Remote gas canister stove for outdoor use



**OPTIMUS** | COOKING SINCE 1899™

EN

FR

DE

NL

DK

SWE

NO

FI

IT

ES

PT

PL

CZ

RU

This stove is designed for outdoor sports enthusiasts for outdoor cooking and boiling of water only – never use it for any other purpose.

**IMPORTANT:** This manual uses the terms **DANGER**, **WARNING** and **CAUTION** to indicate possible safety hazards. Please read these messages carefully and follow the safety precautions. Please make sure you understand the contents of this manual before using the stove. Never let children and mentally impaired people use this stove.



## **WARNING**

**Gas leakages are highly flammable**

**IF YOU SMELL GAS:**

- **Do not attempt to light stove**
- **Extinguish any open flame**
- **Disconnect stove from fuel supply**



## **WARNING**

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

**DANGER****CARBON MONOXIDE  
HAZARD**

**This appliance can produce carbon monoxide which has no odor.**

**Using it in an enclosed space can kill you.**

**Never use this appliance in an enclosed space such as a camper, tent, car, or home.**

**WARNING**

CALIFORNIA PROPOSITION 65:

This fuel and byproducts of combustion of this fuel contain chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

**GENERAL SAFETY INFORMATION -  
FUEL CANISTER SAFETY**

# SAFETY FIRST

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## **DANGER**

**If the stove is used incorrectly, it could cause fire, explosion or carbon monoxide poisoning.**

Please keep these instructions in a safe place for future reference.

- If you have any questions, call Katadyn Products Inc. in Switzerland at +41 44 839 21 11, info@katadyn.ch
- US customers contact Katadyn North America 1-800-755-6701, outdoor@katadyn.com

## **DANGER**

**This stove uses a liquid pressurized gas (LPG) canister that is highly flammable and explosive. Improper or unsafe use can result in accidental fire and explosions which can cause serious injury or possible death.**

- For outdoor use only.
- The Optimus Vega is designed for Optimus gas canisters containing 50% Butane / 25% Isobutane / 25% Propane with a threaded valve certified to the EN 417 standard (max. 450g). It may be hazardous to attempt to fit other types of gas canisters.

For this LPG fuel canister, follow instructions:

- Listen and smell for leaking gas. LPG is invisible and may be odorless as its strong odorant can fade over time. As a result, leaks are not always detectable by smell.
- If you suspect that there is a leak, do not use the stove or canister. To locate and stop the leakage, move stove to a well-ventilated area outdoors away from any ignition source. Check that the stove and fuel canister connection is secure and tight.

## **WARNING**

**Risk of fire and explosion when using fire to detect gas leaks.**

- Only check for leaks using soapy water. Do not try to detect leaks using a flame.
- Check the seals before connecting a new fuel canister to the stove. Do not use the stove if seals are damaged or worn. **FIGURE [1]**

**If you expose the fuel canister to high heat, the canister could explode or leak.**

- Keep stove and fuel canister away from other heat sources.
- Follow all warnings on fuel canister regarding use and storage.
- Do not attach or remove canister near high heat, open flames, direct sunlight, other ignition sources or where temperature of canister exceeds 50° C (120° F).

Only use fuel canisters, which are intended to be used with this stove. Do not store or use gasoline or any other liquids with flammable vapors in the vicinity of this stove.

## INSTRUCTION FOR USE

Before using your Optimus Vega, read the entire manual. To minimize any risk of serious injury or possible death, follow the instructions and safety precautions in this manual. Only use the stove as described in this manual.

### FIGURE [2]

- |                                |                            |
|--------------------------------|----------------------------|
| <b>A:</b> Gas canister         | <b>E:</b> Pre heating tube |
| <b>B:</b> Remote Control Valve | <b>F:</b> Pot support legs |
| <b>C:</b> Fuel Hose            | <b>G:</b> Windshield       |
| <b>D:</b> Burner               |                            |

### TECHNICAL SPECIFICATIONS

**Fuel:** Butane / Propane / Isobutane gas canister, certified to the EN 417 standard (max. 450 g) **Weight:** 178 g (6.28 oz)

**Measurements folded:** 130 x 70 x 65 mm (5.12 x 2.76 x 2.56 inches) **When unfolded** only use with pot size <220 mm (8.5 inches) in diameter and <4 kg (8.8 lbs.) total pot weight.

**Rating:** 2.6 KW / 8840 BTU and 185 g/h **Injector size of stove:** 0.32 mm **Burn time:** Up to 160 minutes at maximum

output (230 g canister) in vaporized gas mode **Boil time:** As little as 3 min/L in 4 season mode and 4.5 min/L in efficiency mode depending on climate etc. **EN 521:** 2006 **Category:** direct pressure – butane/ propane mix

 CE-048BN-0045

## 1 SET UP STOVE

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1. Lay out fuel hose to full length and make sure that it is not twisted in any place.
2. Fold out the control valve handle and make sure that it is fully closed (turned fully clockwise). **FIGURE [3]**
3. Check that O-ring connects to gas canister before each use for damage (see under 5. Maintenance). **FIGURE [1]**
4. Fold out legs of the stove. Legs lock into place automatically by turning them clockwise until resistance is felt. **FIGURE [4]**

## 2 CONNECT STOVE TO GAS CANISTER

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1. Hold onto the canister fuel adaptor of the valve housing and screw the canister counterclockwise tightly. Tighten by hand only and be careful not to damage the threads when you connect the gas canister.
2. Always keep the gas canister in upright position while connecting to the stove. **FIGURE [5]**
3. Make sure the stove and canister are in a stable horizontal position so they don't tip over.
4. Allow plenty of free space around the stove, at least 1.25 meter (4 feet) on each side and 1.5 meters (4.5 feet) above it.
5. Always place the windscreen before the stove is lit (see step # 3 - USE THE STOVE TO COOK).

## **WARNING**

**Risk of burning or serious injuries due to gas leakage hazard.**

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Never light the stove if you detect a hissing sound or the smell of gas after tightening the canister to the stove. The gas has an additive with a foul smell. Never use a stove that smells of gas.

- Do not use stove if damaged or if it does not operate properly.
- Never over-tighten fuel canister when connected to stove. Overtightening can damage stove or canister causing fuel to leak.
- Use extreme caution when using stove in temperatures below freezing. In freezing temperatures, O-rings can stiffen and leak fuel (see General Safety Information).
- Always check for fuel leaks before and after lighting the stove.
- Keep children more than 3+ meters (10 feet) away from stove and fuel.
- Keep highly flammable fabrics away from stove, such as outdoor clothing, sleeping bags, tents etc.
- Never leave a burning or hot stove unattended.
- When a canister change is necessary, please follow steps 1-5 of this manual carefully.

## **3** **USE THE STOVE TO COOK**

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1. Always light up your stove with the canister in upright position (vaporized gas mode) to avoid large flare ups.

**FIGURE [6]**

2. Open the control valve approximately one turn counter-clockwise and light the burner. The flame ring should be complete and the flame should be mostly blue and non-pulsating in normal operation.
3. Adjust the control valve to get the flame you want.
4. If the output is weak, it could mean the gas is running out, or that the canister is too cold. Turn off the stove and let it

cool down. Make sure there is no open flame nearby when changing the gas canister.

5. As this is a remote burner stove, there will always be a delay between turning the control spindle and the effect on the flame. Especially when the stove is used in liquid gas mode, this delay will be longer (up to 30 seconds).
6. Accessible parts may become very hot. Keep out of reach of children, people with diminished mental capacity and pets.
7. Always use the windscreen for optimal result. Make sure that the gas canister is placed outside the windscreen. Adjust windscreen to pot diameter and allow a gap of 2.5cm (1 inch) between the pot and the windshield for sufficient air intake. Note: this windshield is not to be used in combination with frying pans. **FIGURE [7]**

#### **TIPS FOR OPTIMAL USAGE: FIGURE [8]**

**Vapor gas mode:** For normal conditions and simmering

**Liquid gas mode:** For cold conditions, low gas pressure in canister and shorter boil times

In cold weather, the butane/propane mix is adversely affected by the cold. The gas mix becomes less efficient even at even at 0° C (32° F). The butane ceases to vaporize and the stove runs solely on propane. If the propane runs out, you can only use the rest of the container at temperatures above freezing.

- Use the stove in vaporized gas mode in normal conditions and for optimal simmering results. **FIGURE [8A]**
- Use the stove in liquid gas mode when cooking in colder conditions, when a shorter boil time is needed or when pressure in the canister is low. Fold out the canister support legs on the valve and turn canister over slowly. **FIGURE [8B]** Keep the canister low when inverting it and hold fuel hose with one hand in position to avoid movement of the stove. **FIGURE [8C]** Take extra care that canister is standing stable and continue cooking in liquid gas mode.
- Keep the gas canister warm inside your jacket or in your sleeping bag at night.

## **WARNING**

### **Risk of burning or serious injuries due to flare up hazard when lighting up the stove in liquid gas mode**

- Never light up your stove in liquid gas mode as this can lead to flare ups.
- Let the stove burn for 30 seconds before inverting the canister for preheating.
- Never hold your face or any other part of your body over the stove while lighting or cooking.
- Never shake a canister when the stove is lit as you risk big flames shooting up.

## **WARNING**

### **Overheating and explosion hazards**

- Never allow the canister to be inside the windscreen perimeter.
- Never add the windscreen after stove is lit.
- Keep solid combustibles at least 1.25 meters (4 feet) away from the top and 1 meter (3 feet) from sides of a burning stove or a stove that you are in the process of lighting.
- Keep flammable liquids and vapors at least 8 meters (25 feet) away from the top and sides of a burning stove, or a stove that you are in the process of lighting.
- Never attempt to light a stove if control valve has been left open. If control valve is left open, close it immediately and thoroughly ventilate area before lighting stove. Failure to ventilate area can result in an explosion.
- Never use cookware with a diameter larger than 220 mm (8.5 inches). The pan plus food must not weigh more than 4 kg (8.8 lbs.) combined.
- Never place and operate 2 or more stoves together.
- Never operate stove with empty or dry cookware.

## 4 TURN OFF, COOL AND PACK STOVE

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1. Turn off the stove and double-check that the flame is completely extinguished.
2. Allow stove to cool properly.
3. Disconnect the gas canister after having double checked that the flame is completely extinguished and that gas supply is fully turned off by turning the control valve handle fully clockwise.
4. It is normal for a small amount of gas to fizz out when you unscrew the gas canister.
5. Fold in pot support legs, wrap fuel hose around the stove and store in stuff sack.



### WARNING

#### **Risk of burning due to fire hazard**

As the Vega is a remote canister stove, there is a delay between closing the valve and extinguishing the flame. This delay can take up to 30 seconds when stove is turned off in liquid gas mode.



### CAUTION

#### **Burning hazard due to incorrect handling and storage**

Storing fuel canisters near any heat or ignition source, or where temperatures exceed 50° C (120° F) can result in the canister exploding.

- Never move a burning or hot stove. Allow stove to cool for at least 10 minutes before moving it.
- Never transport or store the stove with the gas canister connected.
- Always store fuel canisters in a well-ventilated area away from any possible heat or ignition source such as: water heaters, stoves, pilot lights, furnaces or where temperatures exceed 50° C (120° F).

## 5 MAINTENANCE

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Before each use, check the O-ring where the stove connects to the gas canister. **FIGURE [1]** Leakage may result if the O-ring is not in place, or if it is worn or damaged. Replace the O-ring by teasing it out with a tool such as the blunt end of a sewing needle. Never use a sharp or pointed object that can damage the seal surfaces. Fit the new O-ring with care to avoid damaging it. Only use original Optimus O-Rings (Art. No. 8017867) for this purpose. Do not modify the stove. Only qualified individuals are allowed to do additional service. For major repairs send the stove back to Optimus.

If you have any questions about these instructions, your stove, replacement parts, or repairs, please contact:

**Katadyn Products Inc.**  
**Pfäffikerstrasse 37**  
**8310 Kempthal**  
**Switzerland**  
**+41 44 839 21 11**  
**info@katadyn.ch**  
**www.optimusstoves.com**

**Katadyn North America Inc.**  
**4830 Azelia Avenue North**  
**Minneapolis, MN 55429**  
**USA**  
**1-800-755-6701**  
**outdoor@katadyn.com**

### LIMITED WARRANTY

Optimus provides a 2-year limited warranty against manufacturing defects for the original stove purchaser. Proof of purchase is required for this warranty to be valid. This warranty does not cover damage due to accident, improper use or modifications.

If you have any problems with your Optimus Vega, return it to your dealer or contact Katadyn. Clean food and dirt from the stove before returning it. For more information, contact your dealer or Katadyn Products Inc. in Switzerland at +41 44 839 21 11 or e-mail us at info@katadyn.ch. US customers please contact Katadyn North America at 1-800-755-6701 or outdoor@katadyn.com.

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

## **SUPPLEMENT INSTRUCTIONS TO OPTIMUS VEGA**

Always ensure that the appliance is placed on a firm horizontal surface before using it. Always ensure a clearance of a least 1 metre to each side and 1.5 metres overhead of appliance before using it. Injector size of appliance: 0.32 mm  
Australian Gas Association certified. Certificate number 7459.

### **Outdoor Agencies' Warranty for Australia**

If this Outdoor Agencies supplied product is in any way defective, other than resulting from abnormal use, for a period of two (2) years after purchase, please return it to your place of purchase with its proof of purchase. Alternatively you may contact Outdoor Agencies Pty Ltd, PO Box 620, Regents Park or call 02 8717 7300 or email [sales@outdooragencies.com.au](mailto:sales@outdooragencies.com.au), regarding this warranty and, after contact, return the product at your cost. If Outdoor Agencies determines the product is under warranty we will repair or replace it. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits under this warranty are in addition to other rights and remedies you may have at law.

Distributor of Optimus in Australia:

Outdoor Agencies PTY LTD

Unit N2, 391 Park Rd, Regents Park NSW 2143

Australia

### **Other useful Optimus products**

Gas canisters, Terra HE pot, Cutlery

Please visit our website for additional information about our other products. **[www.optimusstoves.com](http://www.optimusstoves.com)**

**For clean water visit [www.katadyn.com](http://www.katadyn.com)**

FIGURE [1]



FIGURE [2]

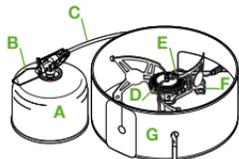


FIGURE [3]

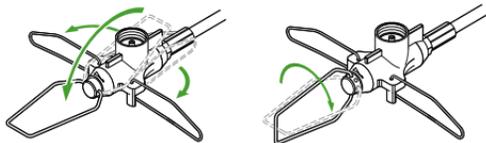


FIGURE [4]

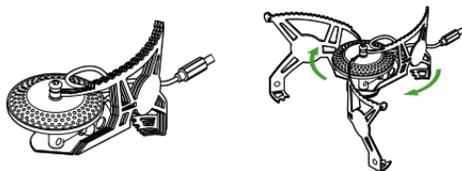


FIGURE [5]



FIGURE [6]



FIGURE [7]

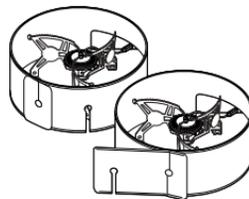


FIGURE [8]

