142.5*210mm

Safety Instructions

Please read and follow all safety instructions and warnings.

The appliance is only to be used with the unit provided.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.

Young children should be carefully supervised when they are in the area of the trap. Keep out of reach of children.

Clothing or other flammable materials should not be hung from the heater, or placed on or near the trap.

Note: Some or all of the following required safety instructions for propane powered devices may apply to your trap. Allow trap to cool for 5 minutes before re-starting.

Warning: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installing or servicing the trap.

Caution: The gas pressure regulator provided with this appliance must be used. This regulator is set for an outlet pressure of 11.0 in. Water Column. The minimum inlet gas supply pressure is 11.0 in. Water Column from regulator.

• This unit is not intended to be installed in or on recreational vehicles and/or boats.

• The gas supply must be turned off at the LP-Gas supply cylinder when this appliance is not in use.

• The installation must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1-1998 for US and with the CAN1-B149 for Canada.

• To test for a gas leak, place soapy water around the connector, regulator, and gas hose assembly. If bubbles appear, there is a gas leak.

• Inspect the hose before each use of the unit. If it is evident there is excessive abrasion or wear, or the hose is cut, it must be replaced prior to the unit being put into operation. The replacement hose shall be that specified by the manufacturer.

• The trap is equipped with an internal spark ignition device. Failure to follow starting procedure will result in the trap not starting.

• Installation and repair should be done by a qualified service person. The trap should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that the control compartment, burners, and circulating air passageways of the heater be kept clean.

• Maintain adequate clearances of 20"-24" around air openings into the combustion chamber, clearances from combustible material, provisions for accessibility and for combustion and ventilating air supply. Keep the trap area clear and free from combustible materials, gasoline, and other flammable vapors and liquids. The appliance is not to be used in locations where flammable vapor or explosive dust is likely to exist.

• Do not obstruct the flow of combustion and ventilation air.

• Keep the ventilating openings of the cylinder enclosure free and clear from debris.

• Clean the trap with water and a damp cloth if necessary.

• A maximum of a 20 lb. LP-Gas cylinder shall be used.

• The LP-Gas cylinder must be provided with a shut-off valve terminating in an LP-Gas supply cylinder valve outlet specified for Connection No. 510 in the Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections, ANSI/CGA-V-1-1977.

• The LP-Gas cylinder supply system must be arranged for vapor withdrawal and the cylinder must include a collar to protect the cylinder valve. • The LP-Gas cylinder used shall be constructed and marked in accordance with the specifications for LP-Gas cylinders of the U.S. Department of Transportation (DOT) or The National Standard of Canada CAN/CSA-B339.

• The trap shall be used outdoors only in a well-ventilated space and shall not be used in a building, garage, or any other enclosed area.

• The LP-Gas cylinder must be disconnected and removed from the appliance, if the appliance is stored indoors.

• LP-Gas cylinders must be stored outdoors in a well-ventilated area out of reach of children.

• Disconnected cylinders must have threaded valve plugs tightly installed and must not be stored in a building, garage, or any other enclosed area.

• The pressure regulator and hose assembly supplied with this appliance must be used for connection to the LP-Gas cylinder. Replacement pressure regulators and hose assemblies must be specified by the manufacturer.

• Avoid improper use of extension cords. Keep connections away from moisture and avoid damage to the cord.

• If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid hazard.

Please contact Customer Care if you have any questions at: service@hiewtra.com or visit www.hiewtra.com

Warning: SHOCK! An electric shock hazard may exist if water from a garden hose is directed at the Mosquito trap. Route the power cord in the safest possible manner to avoid personal injury.

Welcome

How it Works

Mosquitoes and other biting insects rely on carbon dioxide (CO2) and heat to locate people, the skin volatilizes a scent that attracts mosquitoes to identify the person they are about to bite. Mosquito traps mimic human breathing by converting propane into carbon dioxide, attracted by the carbon dioxide and attractants that draw mosquitoes and other biting insects around the traps. When they reach the trap, the fan inside the trap sucks the insects into the bug bag, where they dehydrate and die within 24 hours.

Product features

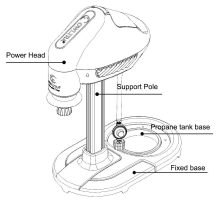
Quiet, odorless, all-weather operation. Place the mosquito trap properly in your yard, turn the switch on the mosquito trap and start working immediately, with noticeable results in 7 to 10 days. In order to greatly reduce the number of biting insects, will take 4 weeks. Use mosquito traps throughout the summer to control the mosquito population in your yard.

Only biting insects are targeted including mosquitoes, no-see-ums, black flies and midges. Beneficial insects such as butterflies, bees or moths are not targeted.

FOR YOUR SAFETY If you smell gas: 1. Shut off the gas to the appliance. 2. Extinguish any open flame. 3. Open lid. 4. If odor continues, immediately call your gas supplier or your fire department.

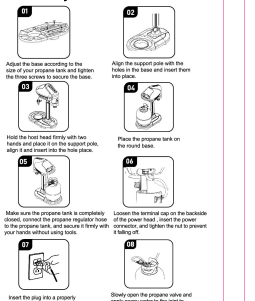
FOR YOUR SAFETY 1.Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance. 2. An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

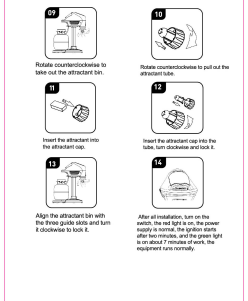
Main Parts



Parts include:

Assembly Instruction





Mosquito box disassembly and cleaning instructions

STEP.01

Lift the transparent lid and take out the mosquito box.

STEP.02

Press the fasteners with your fingers to open the mosquito box.

STEP.03

Open the mosquito box, rinse with water and continue to use without damage.

Propane Tank Installation

TIP.01

If use a 20LB propane tank, put back the base little and tighten the screws to secure it.

TIP.02

If use a 30LB propane tank, put out the base and tighten the screws to secure it.

TIP.03

After placing the 20LB propane tank on the base, place the sunscreen bag on the propane tank with the opening above the sunscreen bag in the same direction as the propane tank interface.

Open the sunblock bag with your hands, align the gas pipe connector with the propane tank interface, tighten the nut with your hands without using external tools, and apply soap water to the joint to check for leakage.

Burying the Power Cord

Make sure unit is unplugged and in proper position. Use the Cord Burying Clips supplied. Place clips approximately 3 feet apart, press into ground by hand making sure not to damage power cord. For alternate placement, follow steps illustrated below.

STEP.01

Use straightedge shovel or garden spade and dig a trench about 3"- 4" deep from power source to trap.

STEP.02

Place cord into trench carefully stretching as you go to remove any twists in cord.

STEP.03

Use cedar shingle or folded cardboard to place cord into bottom of trench. Recover the trench with removed soil.

Trap Placement

STEP.01

Determine the direction of the prevailing wind. Check local weather patterns if you are unsure.

STEP.02

Stand in the center of the area you are trying to protect and look toward the prevailing wind.

STEP.03

Proper placement of the trap will be 18 - 60 feet in front of you, within 5-6 feet of ground cover (i.e. bushes, flowerbeds, tree line, mulch bed). Ensure that trap is at least 10 feet away from structures such as buildings, fences, etc.

STEP.04

It is recommended that the trap be placed in the shade.

STEP.05

Do not place trap directly above a water source (sprinklers, hose, etc.).

STEP.06

Trap must be placed on level ground to avoid tipping or uneven propane distribution.

STEP.07

Trap must be placed on level ground to avoid tipping or uneven propane distribution.

DO NOT MOVE TRAP WITH TANK ATTACHED! TANK MUST BE DISCONNECTED FROM REGULA-TOR BEFORE TRAP IS RELOCATED TO AVOID DAMAGE TO REGULATOR AND/OR TRAP. BE ADVISED, DAMAGE CAUSED FROM FAILURE TO COMPLY WITH THIS INSTRUCTION IS NOT COVERED UNDER WARRANTY.

About attractants

Our product can catch mosquitoes well without attractant, but consider some customer may still have the demand to use attractant. We have designed the position of attractant on the product structure. If you like to add attractant, you can install and place the attractant according to our instructions and the size of attractant bin. Please purchase the type of attractant you like on various sales platforms. Attractant can be placed in the attractant bin, very easy to place.

Please correctly understand the use method and effective time of different brands of attractant, read all the detailed instructions and precautions for the purchased attractant.

Use Instruction

Recommend to read the complete user manual before starting the Mosquito Trap.

1. Place the attractant in the attractant bin as above instruction. (If you want to use attractant)
2. Connect the regulator to the propane tank.
3. Insert the power connector into the mosquito trap.
4. Plug the AC adapter into the power socket. (To avoid the risk of electric shock, connect only properly grounded outlets.) The adapter unit is not intended to be installed.
5. Slowly open the propane tank valve.
6. Turn the switch to the On position.
7. Startup, first the red light is on, about 20 minutes of continuous operation, the red light goes off, the green light flashes, then the product is successfully started. If the green light doesn't flash after 30 minutes, while the red light keeps on, and hear the beep sound at the same time, it indicates that the equipment is faulty or the gas needs to be replaced, see the troubleshooting method for details (Page 13).
8. Once the green light is on, the Mosquito Trap is ready to work.

Note: If there is a power interruption and the switch is not turned off, the device will automat-ically start after the power is turned on again.

Shut Down Instructions

To shut down the Mosquito Trap simply close the valve on the propane tank and switch to the "off" position.

When Not In Use

If the unit is not in use, the gas must be turned off at the supply cylinder. Storage of this unit indoors is permissible only if the cylinder is disconnected and removed. Cylinders must be stored outdoors, out of reach of children and must not be stored in a building, garage or any other enclosed area.

End of Season Storage

Push ON/OFF switch to OFF position to shut down the trap. The LED light will go out and the fan will continue running until trap is cool. Close the propane tank valve and disconnect regulator. Any open Mosquito Magnet® attractant should be removed and discarded. See attractant label for disposal instructions. The bug bag should also be discarded prior to storing the trap.

STORAGE: The trap should be stored indoors in a garage or shed in the off-season. Cover trumpet to prohibit insects from nesting. Cover unit with a tarp and secure tightly at the bottom to keep out dust, spider webs and other debris.

For Best Results (unit must run for 24 hours/day)

• Your trap will begin capturing immediately with significant reduction in the mosquito population in 7-10 days. Allow 4 weeks to significantly reduce the mosquito population in your yard.

• Allow trap to cool for 5 minutes before re-start.

• Never spray insecticide in or around trap.

• Trap can be left running in the rain.

• If using lime or fertilizer compounds, be sure to shut down the trap first to prevent dust or fine mist from being drawn into trap and clogging bug bag.

Warning: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

Caution: The gas pressure regulator provided with this appliance must be used. This regulator is set for an outlet pressure 11.0 in. water column. The gas supply must be turned off at the LP-Gas supply cylinder when this appliance is not in use.

Maintenance

• 21 Day Maintenance Cycle – Refill propane. (Propane lasts approximately 21 days with 24-hour/7-days operation.) – Replace short-range attractant cartridge. See Mosquito Trap attractant label for instructions. - Empty or replace mosquito box.

• Periodically wipe down the outside of the trap with clean water and a damp cloth.

Propane Tank Changing Time

When attaching the regulator knob to a tank after a tank change, be sure to fully tighten the regulator knob onto the tank. No need to use tools, but do turn the knob as far as possible by hand. When this is done, loosen the knob 1/4 turn, then re-tighten to maximize seal. The purpose for this is to fully engage the regulator onto the tank. If the regulator is not fully engaged, the flow of gas may be restricted to the point where the trap will show a gas empty code. If this occurs, press the off button, close the tank valve, and remove the regulator from the tank. Re-attach the regulator and try again.

Fault and resolution

Problem	Possible cause	Solution
Mosquito trap won't start	1. Is the propane tank empty?	1.Weigh tank and check against "empty" weight written on tank.
	2.Is propane tank is new, it may have air blockage, has it been purged?	2.Bring tank to filling location. (it may be in hard line, ask for tank to be purged. Here if you have another propane-powered device, ask to purge the line at the same time. Purge by feeling that tank up to the trap to verify that the issue is with your tank.
	3.If tank has been opened too quickly, security check valve may have tripped.	3.Disconnect the regulator from the tank and reconnect. Then open the regulator valve slowly.
	4. Is the power cord plugged in?	4.Verify all electrical connections. Make sure you are using the correct power requirements for your unit.
	5. Is there a loose connection?	5.Make sure regulator is fully engaged, and propane tank valve is fully open.
	6.The outdoor temperature is below 50 °F (10 °C).	6. Mosquitoes are not active at this climate; wait until the temperature is consistently above 50° F (10 °C) before starting your trap.
	7.The tank regulator isn't fully engaged.	7.Hand tighten the regulator until it fits completely.

Problem	Possible cause	Solution
Low or no catch	8.Insects may not be out yet.	8. Verify temperature is consistently above 50 °F (10 °C).
	9. Trap improperly placed.	9.Follow steps in the "Trap Placement" section of your manual.
	10.Biting insects reproductive cycles have not yet been broken.	10.Keep trap in constant operation 24 hours/day, 7 days/week for 4 weeks to interrupt the breeding cycle.

About Manufacturer's Warranties

Manufacturer warranties may not apply in all cases, depending on factors like the use of the product, where the product was purchased, or who you purchased the product from. Review the warranty carefully. If you have any questions, components missing,or need technical support, please contact the manufacturer. You can do the following:

• Contact the manufacturer directly (Email: service@hiewtra.com)

• Visit their website for more information(www.hiewtra.com)

If you email our Customer Service team, include the full name of the product, the model or style

For technical support and other services, please email: service@hiewtra.com

Owltra Tech Co.,Ltd
Mosquito Guard- Outdoor CO2 Trap
Model No: MTZ410
EPA Est Number: 089827-CHN-001
www.hiewtra.com
Designed in USA
Made in China
dd: 20250122