

## Basic User Guide

### I. Introduction

The principle behind the effectiveness of the Liquid Glass Oz series of ultrasonic cleaners is cavitation effect. Cavitations are caused by High frequency sound waves in a liquid medium, resulting in millions of microscopic bubbles which explode with great intensity. It is these tiny, but energetic explosions which so effectively remove contaminants from the surface of objects submerged in the tank. The ultrasonic cleaner is versatile and particularly effective in removing built up debris inside crevices and other confined spaces, such as nozzles, injectors, brass cartridges, diving regulators and other precision equipment, where brushing cannot reach, or where damage may be caused by abrasive cleaning methods.

### II. Design Specifications and Warranty

Voltage: 240 Volts A/C, 50 Hertz  
Ultrasonic Frequency: 40 Kilohertz  
Recommended Max Operating Time/Day: 8 Hours  
Power and Tank Volume: See machine label

Designed specifically for Australian commercial use, with 6 month manufacturer's warranty (return to base). Please retain tax invoice for warranty service.

### III. Operating Instructions

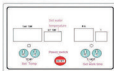
#### A. Models LGO 35W-07 and LGO 50W-13



1. Set up equipment in safe location, away from passing traffic.
2. Carefully add water/cleaning solution to tank (to at least 2/3 level).
3. Place items to be cleaned in cleaning basket. Cover with lid supplied.
4. Connect power lead to 240V mains supply and to rear of cleaner. Turn on power at mains outlet. Machine will buzz and display will flash briefly showing it is connected to mains power. This is normal.
5. Press red on/off button. Timer setting is now displayed (30 min max).
6. Adjust timer by pressing blue up or down arrow buttons. This will add or subtract one minute from timer setting. NB Timer cannot be adjusted while cleaner is in operation.
7. When satisfied with cleaning time press on/off button again to start machine. Cleaner will produce a noticeable hum while operating.

8. Machine stops automatically when time has expired and resets to original timer setting. NB Pressing the on/off button during operation will stop ultrasonic cleaning process and reset machine to your selected time setting. Restart by pressing on/off again.
9. Inspect objects in basket and repeat until satisfied with results. Cleaning time will depend on items being cleaned and the extent of contamination. Most objects will be cleaned very well in plain water. More vigorous cleaning action will result from hot water and a few drops of dishwashing liquid.

#### B. Models LGO 50W-18H, LGO 80W-20H, LGO 100W-25H, LGO 150W-35H, LGO 300W-120H



1. Set up equipment in safe location, away from passing traffic and carefully pour water or cleaning solution into tank (to at least 2/3 level).
2. Place items to be cleaned in cleaning basket and add more liquid to bring level to low water ridge (3cm below top). Cover with lid then connect power cord to 240V mains supply and to rear of cleaner.
3. Turn on power at mains outlet. Machine will buzz and display will flash briefly showing it is connected to mains power. This is normal.
4. Press red on/off button. Timer and current tank water temperature and desired tank water temperature settings will display. Heater will increase water temperature automatically if tank water is below desired setting. Heating indicator light will display when heater is active.
5. Adjust timer (max 60 min) or water temperature (max 80 degrees C) with blue up or down arrow buttons. Buttons add/subtract five minutes from timer or five degrees C to heater settings. Active cleaning indicator will display and cleaning will start automatically if timer is above zero. Machine will emit an audible hum when operating and stops automatically when set time has expired.
6. Inspect objects in basket and repeat until satisfied with results. Cleaning time will depend on items being cleaned and the extent of contamination. Most objects will be cleaned very well in plain water. More vigorous cleaning action will result from using heat option and adding a few drops of dishwashing liquid.

#### C. Models LGO 100W-25HM and LGO 150W-57HM



1. Set up equipment in safe location, away from passing traffic and carefully pour water or cleaning solution into tank (to at least 2/3 level).
2. Place items to be cleaned in cleaning basket, and add more liquid to bring level to low water ridge (3cm below top). Cover with lid supplied then connect power cord to 240V mains supply and to rear of cleaner. Turn on power at mains outlet.
3. Temperature and timer are controlled by dials on the face of the machine.
4. Turn heater dial to select desired temperature. Temperature will increase, and heating light will display, until selected temperature is reached.
5. Turn timer dial to select timer setting. Chime will sound when time expires. NB Turn dial beyond 30 minute mark to commence cleaning process.
6. Machine emits an audible hum when operating and it stops automatically when set time has elapsed.
7. Inspect objects in basket and repeat until satisfied with results. Cleaning time will depend on items being cleaned and the extent of contamination. Most objects will be cleaned very well in plain water. More vigorous cleaning action will result from using heat option and adding a few drops of dishwashing liquid.

#### IV. Safety Advice and Special Warnings

1. Always ensure adequate water is in tank - keep fluid above low water ridge (3cm below top). Otherwise heater burn out may result, which will void warranty. Only add water or detergent when unit is turned off and disconnected from mains power outlet. If spills do occur remove them completely before turning on power.
  2. After use turn off power to unit and disconnect power lead from mains.
  3. Wait ten 10 minutes before draining tank.
  3. DO NOT place fingers or any body part inside cleaner when cleaner is operating.
  4. Liquid contents may be HOT. Take special care if using hot water in cleaning tank. Items in basket may still remain hot some time after cleaning ends and may cause burns to unprotected flesh.
  5. DO NOT use corrosive or flammable liquids as cleaning agents.
  6. This is NOT a toy. Keep out of reach of children.
  7. Always use basket provided. If cleaning items too small for basket place in a household nylon mesh vegetable sieve. Just place the sieve inside the basket. NB. Be careful not to overheat water - keep below 45 C.
  8. After cleaning jewellery with precious stones ALWAYS inspect before discarding liquid from tank. Loose stones may fall through basket. If loose stones are suspected use sieve as above.
  9. Ultrasonic cleaning is safe for most products, but refer to manufacturer or retailer if in any doubt. NB Unless you have technical advice from a competent authority assume that electronic devices that would normally NOT be immersed in water, would also be damaged by immersion in ultrasonic cleaners (eg mobile phones).
- V. Contact Liquid Glass Oz
1. Email to [info@liquidglassoz.com.au](mailto:info@liquidglassoz.com.au)
  2. Web enquiries and orders via [www.liquidglassoz.com.au](http://www.liquidglassoz.com.au)
  3. Faxes to 61 2 6687 5892 (international), 02 6687 5892 (within Australia)
  4. Telephone 61 2 6687 6640 (international), 02 6687 6640 (within Australia)

## Liquid Glass Oz Ultrasonic Cleaner LGO Series

