

omega
altise

OPERATION, MAINTENANCE AND SAFETY INSTRUCTIONS

OMEGA ALTISE PORTABLE DEHUMIDIFIER

OADEH16L, OADEH20L



TABLE OF CONTENTS

IMPORTANT SAFETY INSTRUCTIONS	1
PRODUCT DETAILS	4
OPERATING INSTRUCTIONS.....	5
CLEANING AND MAINTENANCE	10
TROUBLESHOOTING	11
NOTE FOR MAINTENANCE WORK	12
WARRANTY CONDITIONS	21



IMPORTANT SAFETY INSTRUCTIONS

Read the safety precautions of this booklet carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage. If you are unsure about anything regarding your fan or these instructions, please contact Omega Altise on 1300 795 572 in Australia or (09) 415 6000 in New Zealand before operating your appliance.

1. Unplug the power supply cord before cleaning or storage.
2. The appliance is for indoor use but not in laundry rooms.
3. Do not operate the unit close to heat-generating devices or near flammable and dangerous materials.
4. Never put your fingers or objects into the intake or discharge ducts.
5. Do not sit or stand on the unit.
6. Discard water that has collected in the tank as required.
7. Do not operate the dehumidifier in a closed area such as inside a closet, as it may cause a fire.
8. Do not operate the unit near edible items, objects of art, or scientific materials.
9. Install drain piping lower than the water drainage port of the appliance to make sure that condensed water can be drained continuously.
10. If the power supply cord is damaged it must be replaced by the manufacturer, its service agent or a similarly qualified persons in order to avoid a hazard.
11. The appliance must be positioned so that the plug is accessible.
12. Please keep a distance 20 cm around the appliance and the wall or other objects to ensure air circulation.
13. The appliance shall be installed in accordance with local national wire regulations.
14. The appliance cannot be used in public transportation.

IMPORTANT SAFETY INSTRUCTIONS

15. This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
16. Children should be supervised to ensure that they do not play with the appliance.
17. Do not operate the appliance if it has been damaged.
18. Do not accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
19. The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
20. Do not pierce or burn.
21. Be aware that refrigerants may not contain an odour.
22. Appliance shall be installed, operated, and stored in a room with a floor area larger than 4 m².
23. The appliance shall be stored to prevent mechanical damage from occurring.
24. Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorises their competence to handle refrigerants safely in accordance with an industry recognised assessment specification.
25. Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
26. Appliance is filled with flammable gas R290.

Any repairs you need, contact the nearest authorized Service Centre, and strictly follow manufacturer's instruction only

IMPORTANT SAFETY INSTRUCTIONS

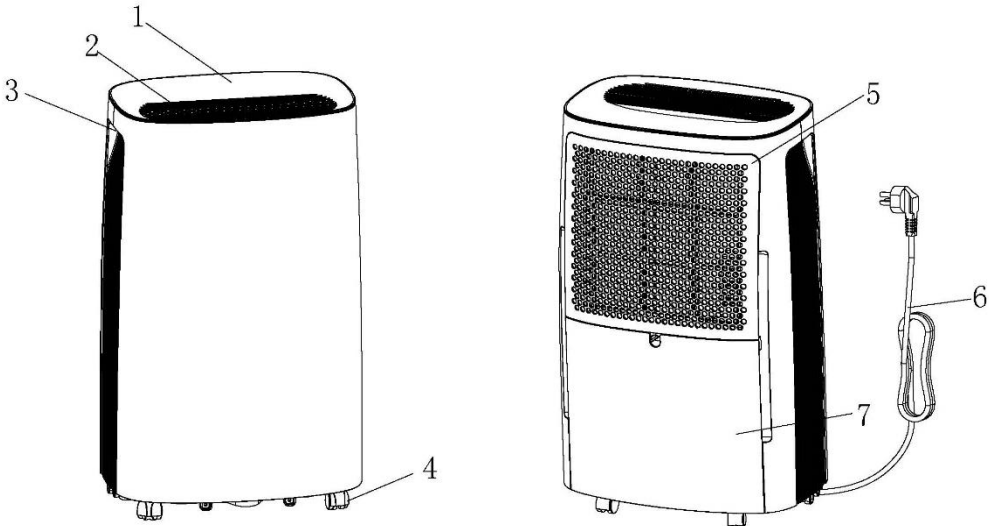
Warning for disposal:

- It is prohibited to dispose of this appliance in domestic household waste. For disposal there are several possibilities.
- The municipality has established collection systems, where electronic waste can be disposed of at least free of charge to the user.
- Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps. Hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

ENERGY SAVING

- Use the appliance in the recommended room size.
- Locate the unit where furniture cannot obstruct air flow.
- Keep the filters clean.
- Keep doors and windows closed to keep cool air in and hot air out.

Product Details



1. Control panel 2. Outlet 3. Handle 4. Caster
5. Filter box 6. Supply cord 7. Water tank

OPTIONAL

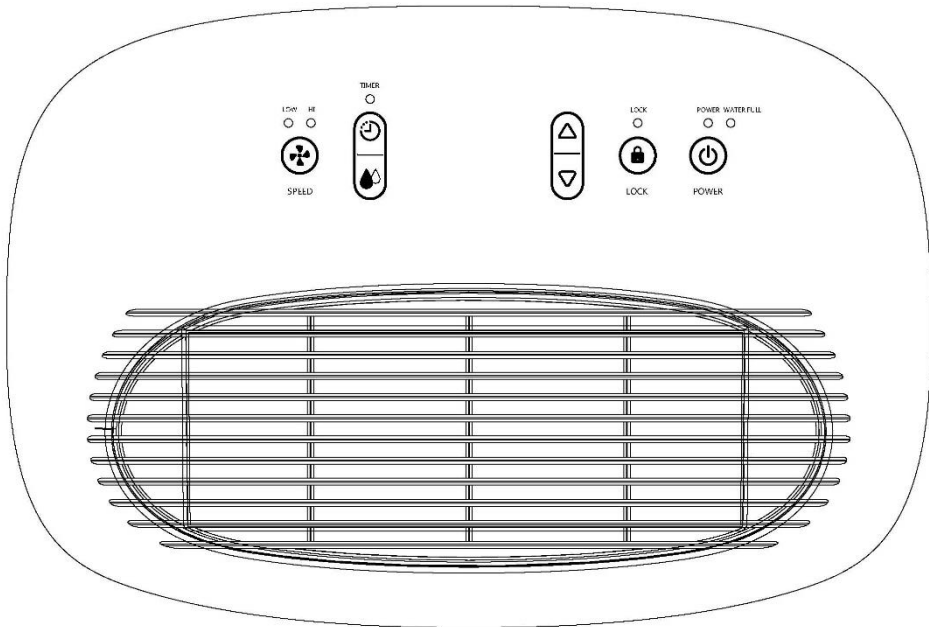


1. Activated carbon filter cloth (Optional) 2. PU filter layer (Optional)

SPECIFICATIONS

Model	OADEH16L	OADEH20L
Power Supply	220-240V~ 50Hz	
Rated Wattage	260 W	325 W
Water Tank Capacity	3.7L	3.7L
Refrigerant/charge	R290/75g	R290/90g

Operating Instructions



Humidity Level & Timer 2 digit display

88

The indicator features 3 functions:

1. When the unit is plugged in, it will indicate the room humidity level.
2. When you set the humidity, it will indicate the humidity that you have selected
3. When you program the time for the unit to turn on and off, it will show the hours.
4. When the environment humidity is lower than 35%, it will show "35"
5. When the environment humidity is higher than 95%, it will show "95"

OPERATING INSTRUCTIONS

The buzzer will alarm for several times when the unit is powered on, the LED will show the room humidity for 3 seconds, then it will automatically turn off.




Turn on/off



Press **POWER** to start the unit, when the unit is stop; or press **POWER** to shutdown it, when the unit is operating.

Operating Instructions

Humidity setting

Press the  key to enter humidity-setting state, then press  or  to adjust the humidity from 40% to 80%, every setting is 5%, the LED flashing display when adjusting. Stop pressing for 5 seconds, it will return to normal display. The default value of humidity is 40%.

Fan-speed setting



Press SPEED to set the fan speed to high or low, and the corresponding fan speed light will be lighted.

Lock setting









After the machine is started, Press the LOCK key machine locked, indicator lights up.



Then press the LOCK unlock state machine.

Time-setting

Press  to enter boot-time setting state when the unit is stop, then the LED will display the time, you may press  or  button to adjust the automatic boot time from 1 to 24 hours.

Press  to enter shutdown-time setting state when the unit is running, then the LED will display the time, you may press  or  button to adjust the automatic shutdown time from 1 to 24 hours.

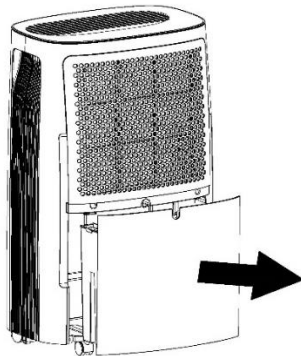
DRAINING THE COLLECTED WATER

When the drainage tank is full, the tank full indicator light will turn on, the operation will stop automatically and the buzzer will beep 15 times to alert the user, that the water needs to be emptied from the drainage tank

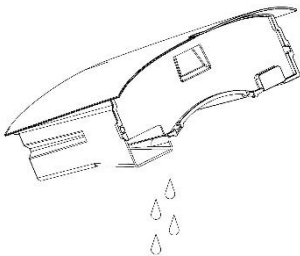
Operating Instructions

Emptying the Drainage Tank

1. Lightly press on the sides of the tank with both hands and pull the tank out gently.

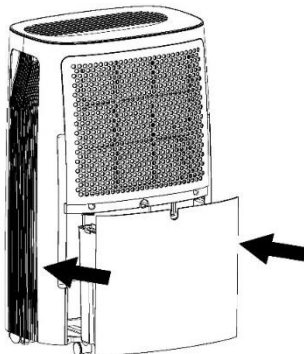


2. Discard the collected water



NOTE

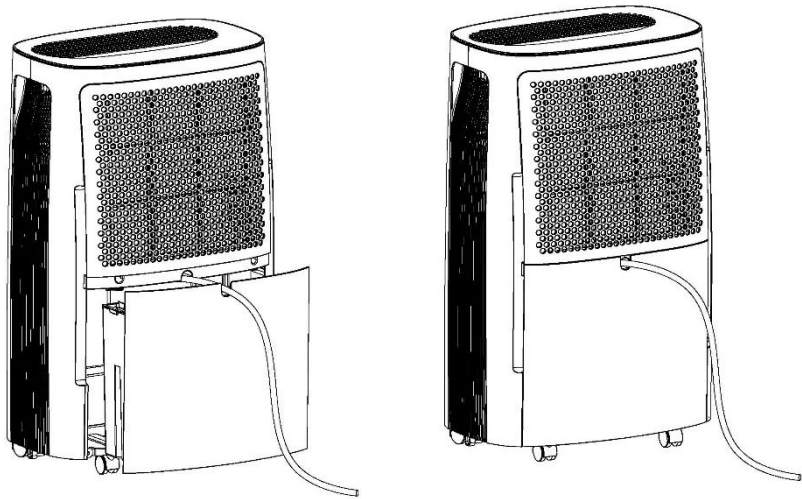
1. If the drainage tank is dirty, wash it with cold or lukewarm water. Do not use detergent, scouring pads, chemically treated dust cloths, gasoline, benzene, thinner, or other solvents, as these can scratch and damage the tank and cause water leakage.
2. When replacing the drainage tank, press the tank firmly into place with both hands. If the tank is not positioned properly, the "TANK FULL" sensor will be activated, and the dehumidifier will not operate.



Operating Instructions

Continuous Water Drainage

The unit features a continuous drainage port. Using a plastic pipe (with an inner diameter of 10mm) inserts into drain hole (on intermediate plate), reach out from side of water tank, install it in place, and arrange the drainpipe. The water in the drainage tank can be continuously drained out from the continuous port on the unit.



Clearance

Maintain the minimum clearance around the dehumidifier when the unit is operating as shown in the left drawing.

Compressor protection

If turned on and off or on at start-up it takes 3 minutes for the compressor to start.

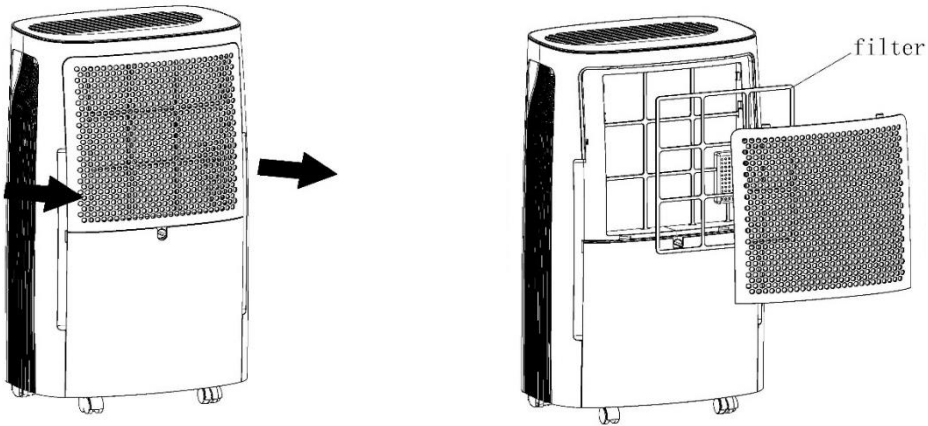
Cleaning and Maintenance

To clean the Body

Wipe it with a soft damp cloth.

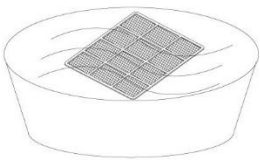
To Clean the Air Filter

1. Open the inlet grill firstly and remove the air filter



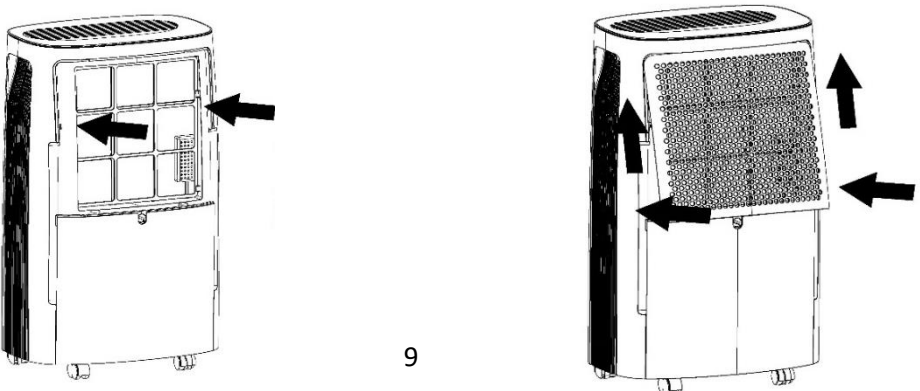
2. Clean the air filter

Run a vacuum cleaner lightly over the surface of the air filter to remove dirt. If the air filter is exceptionally dirty, wash it with warm water and a mild cleanser and dry thoroughly.



3. Attach the air filter

Insert the filter into the grill smoothly and place the inlet grill into right place.



Cleaning and Maintenance

Storing the Dehumidifier

When the unit is not being used for a long period of time and you want to store it note the following steps:

1. Empty any water left in the drainage tank.
2. Fold up the power supply cord and put it in the water tank.
3. Clean the air filter
4. Discard in a cool and dry place.

Troubleshooting

If a condition listed below occurs, please check the following items before calling customer service.

Problem	Possible Cause	Solution
The unit doesn't operate	Has the power cord been disconnected?	Plug the power cord into the outlet.
	Is the tank full indication lamp blinking? (The tank is full or in a wrong position.)	Empty the water in the drainage tank and then reposition the tank.
	Is the temperature of the room above 35°C or below 5°C?	The protection device is activated and the unit cannot be started.
The dehumidifying function doesn't work	Is the air filter clogged?	Clean the air filter as instructed under "Cleaning the dehumidifier".
	Is the intake duct or discharge duct obstructed?	Remove the obstruction from the discharge duct or intake duct.
No air is discharged	Is the air filter clogged?	Clean the air filter as instructed under "Cleaning the dehumidifier".
Operation is noisy	Is the unit tilted or unsteady?	Move the unit to a stable, sturdy location.
	Is the air filter clogged?	Clean the air filter as instructed under "Cleaning the dehumidifier".

NOTE FOR MAINTENANCE WORK

1. Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

Work procedure

Work shall be undertaken under a controlled procedure to minimise the risk of a flammable gas or vapour being present while the work is being performed.

2. General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

3. Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerant, i.e., non-sparking, adequately sealed or intrinsically safe.

4. Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO₂ fire extinguisher adjacent to the charging area.

5.No ignition sources

No person carrying out work in relation to a refrigerant system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks." No Smoking" signs shall be displayed.

6.Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot wok. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

7.Checks to the refrigeration equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance.

The following checks shall be applied to installations using flammable refrigerants:

- the charge size in accordance with the room size within which the refrigerant containing parts are installed.
- the ventilation machinery and outlets are operating adequately and are not obstructed

8. Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and components inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment, so all parties are advised.

Initial safety checks shall include:

- those capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking.
- that there no live electrical components and wiring are exposed while charging, recovering, or purging the system.
- that there is continuity of earth bonding.

9. Repairs to sealed components

During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc.

If it is necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.

Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.

Ensure that apparatus is mounted securely.

Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres, Replacement parts shall be in accordance with the manufacturer's specifications.

NOTE: The use of silicon sealant may inhibit the effectiveness of some types of leak detection equipment. Intrinsically safe components do not have to be isolated prior to working on them.

10.Repair to intrinsically safe components

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.

Intrinsically components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating.

Replace components only with parts specified by manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

11.Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges, or any other adverse environmental effects. The check shall also consider the effects of aging or continual vibration from sources such as compressors or fans.

12.Leakage detection for flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used

13. Leak detection methods

The following leak detection methods are acceptable for systems containing flammable refrigerant.

Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need recalibration (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that detector is not a potential source of ignition and is suitable for the refrigerant used.

Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipework.

If a leak is suspected, all naked flames shall be removed/extinguished.

If a leak of refrigerant is found which requires brazing, all of the refrigerants shall be recovered from the system. Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.

14. Removal and evacuation

When breaking into the refrigerant circuit to make repairs-or for any other purpose-conventional procedures shall be used. However, it is important that best practice is followed since Flammability is a consideration. The following procedure shall be adhered to:

Remove refrigerant.

Purge the circuit with inert gas.

Evacuate.

Purge again with inert gas.

Open the circuit by cutting or brazing.

The refrigerant charge shall be recovered into the correct recovery cylinders. The system shall be" flushed" with OFN to render the unit safe. This process may need to be repeated several times. Compressed air or oxygen shall not be used for this task.

Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process shall be repeated until no refrigerant is within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place.

This operation is vital if brazing operations on the pipework are to take place. Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.

15.Refrigerant Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed.

-Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.

-Cylinders shall be kept upright.

-Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.

-Label the system when charging is complete (if not already).

-Extreme care shall be taken not to overfill the refrigeration system.

Prior to recharging the system, it shall be pressure tested with OFN. The system shall be leak tested on completion of charging but prior commissioning. A follow up leak test shall be carried out prior to leaving the site.

16. Decommissioning

Before conducting this procedure, it is essential that technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to reuse of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

Become familiar with the equipment and its operation.

b) Isolate system electrically.

c) Before attempting the procedure ensure that: mechanical handling equipment is available, if repaired, for handling refrigerant cylinders; all personal protective equipment is available and being used correctly; the recovery process is always supervised by a competent person; recovery equipment and cylinders conform to the appropriate standards.

d) Pump down refrigerant system, if possible.

e) if a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.

f) Make sure that cylinder is situated on the scales before recovery takes place.

g) Start the recovery machine and operate in accordance with manufacturer's instructions.

H) Do not overfill cylinders (No more than 80% volume liquid charge).

i) Do not exceed the maximum working pressure of the cylinder, even temporarily.

j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.

k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

17.Labeling

Equipment shall be labeled stating that it has been decommissioned and emptied of refrigerant. The label shall be dated and signed. Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

18.Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge are available. All cylinders to be used are designed for the recovered refrigerant and labeled for that refrigerant (i.e., special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants.

In addition, a set of calibrated weighing scales shall be available and in good work order. Hoses shall be complete with leak-free disconnect couplings and in good condition.

Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt.

The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

19.Transport of equipment containing flammable refrigerants

Determined by local regulations.

20.Discarded appliances supplies flammable refrigerants

See National Regulations.

21.Storage package (unsold) equipment

Storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge.

The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.

WARRANTY

AUSTRALIAN CUSTOMERS

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 for 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.

NEW ZEALAND CUSTOMERS

Nothing herein contained shall be construed in any way as excluding or limiting your rights under the Consumer Guarantee Act 1993.

Our Warranty

This product is also covered by the manufacturer's warranty set out in this document (**Our Warranty**). Our Warranty is for a period of **thirty-six(36)** months from the date of purchase. This is in addition to (and does not exclude, restrict or modify) any rights or remedies to which you may already be entitled under the Australian Consumer Law or the New Zealand Consumer Guarantee Act 1993 relating to this product.

Our Warranty (which is subject to the conditions below) covers rectification free of charge of any fault arising from defective materials or components, or faulty workmanship. The product will be repaired or replaced at the option of Omega Altise.

OUR WARRANTY is subject to the following conditions:

1. That the purchaser contact Omega Altise prior to any product repair.
2. That the purchaser carefully follows all instructions provided with the product and complies with all relevant electrical & plumbing regulations in their State when installing the product.
3. That the purchaser carefully follows the instructions provided in the owner's handbook relating to the proper use and care of the product and does not use the product for any purpose other than the DOMESTIC use for which it has been designed. If the appliance is used in commercial applications or for rental purposes, Our Warranty is limited to a warranty of thirty-six (36) months covering all parts with Three (3) months on any labour cost of service or repair.

WHAT IS COVERED: By Our Warranty:

During the warranty period, Omega Altise or its authorised Service Centre will at no extra charge, if your appliance is readily accessible without the need of special equipment and subject to the terms and conditions of this warranty, repair or replace any parts which it considers defective.

WHAT IS NOT COVERED: By Our Warranty:

1. Products installed damaged or incomplete or not in compliance with the relevant electrical & plumbing regulations in their State.
2. Normal wear and tear e.g. cleaning, filters etc.
3. Failure resulting from power surges and electrical storms.
4. Insect or vermin infestation.
5. Unauthorised repairs or use of non-genuine parts.
6. Any failure caused by the product not being used in accordance with the instruction and the installation manual provided with the product.
7. Misuse or abuse, including failure to properly maintain or service.
8. The clearing of lint, hair or dirt from within the appliance.
9. Damage which occurs during delivery or installation.
10. Claims to product surface coating due to liquid or solid spill-overs, accidental damage or damage caused from cleaning products not recommended by Omega Altise.

HOW TO CLAIM OUR WARRANTY

Please refer to our website address below for Shriro Australia in Australia or Monaco Corp in New Zealand to register your warranty online. If you are contacting us regarding any warranty claims and spare part enquiries, please make sure you have the following information on hand:

1. Product Name/Model Number
2. Serial Number
3. Purchase Date (as per invoice, or proof of purchase)
4. Purchased from
5. Warranty Registration Number

IN AUSTRALIA

Omega Altise is a division of Shriro Australia Pty Ltd
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IN NEW ZEALAND

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Web: www.omegaltise.com.au

It is important that you retain these instructions, proof of purchase as well as other important documents about this product for future reference. Due to continual product development, Omega Altise reserves the right to alter specifications or appearances without notice.

Dispose of packaging responsibly – recycle where facilities are available.