

**SYMBOLS**

Read the instructions



Caution



Protective Earth

**GENERAL SAFETY INSTRUCTIONS**

**Read this instruction manual thoroughly before using the appliance and save it for future reference and if necessary pass the instruction manual on to a third party.**

**In any doubt consult the manufacturer's technical department for assistance**

**WARNING: When using electrical appliance, basic safety precautions should always be followed to reduce the risk of fire, electrical shock and personal injury.**

**1) General**

Check if the electrical specifications of this appliance are compatible with your installation.

To protect against electrical hazard, do not immerse in water or other liquids. Do not use near water.

This appliance is for indoor use only.

## GENERAL SAFETY INSTRUCTIONS

Do not use the unit without the filter.

Do not unplug the unit if your hands are wet, electrical shock could occur.

Do not carry the appliance while it is operating.

Place it on a secure and level area. Keep out of reach of children to prevent any accident.

Unauthorized use and technical modifications to the appliance can lead to danger to life and health.

Do not push any object into the appliance. Do not disassemble the appliance.

**(For EN Standard)** 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.

**(For IEC Standard)** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning 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.

### **2) Electrical safety**

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

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects.

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## SPECIFIC SAFETY RULES

The appliance shall be installed in accordance with national wiring regulations.

Keep ventilation openings clear of obstruction.

The appliance shall be stored so as to prevent mechanical damage from occurring.

The method of connection of the appliance to the electrical supply:

- (1) Do not operate the unit with a damaged plug or loose outlet.
- (2) Use only the correct power supply-AC220-240V~50Hz.
- (3) Remove the plug from the socket if the unit is not going to be used for a long period of time.
- (4) Always turn the unit off and remove the power plug from the socket when cleaning.

**WARNING:** Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.

Do not pierce or burn.

Be aware that refrigerant gases may not contain an odour.

## ENVIRONMENTAL PROTECTION

Meaning of crossed-out wheeled dustbin:



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 in the food chain, damaging your health and well-being

When replacing old appliances with new ones, the retailer is legally obliged to take back your old appliance for disposal at least free of charge.

## ENVIRONMENTAL PROTECTION

### Environment friendly disposal

You can help protect the environment!

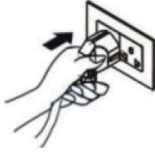
Please remember to respect the local regulations: hand in the non-working electrical equipments to an appropriate waste disposal centre. The packaging material is recyclable. Dispose of the packaging in an environmentally friendly manner and make it available for the recyclable material collection-service.

## APPLIANCE SPECIFICATIONS

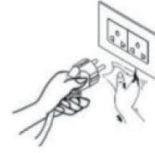
| TECHNICAL CHARACTERISTICS     |   |
|-------------------------------|---|
| Rated voltage                 | 220-240V  |
| Rated frequency               | 50Hz  |
| Rated wattage                 | 280W  |
| Refrigerant number            | R290  |
| Refrigerant amount            | 0.045kg   |
| Ambient operating temperature | 5-35°C  |
| Maximum allowable pressure    | Discharge 2.6MPa  |
|                               | Suction 1.0MPa  |
| Protection class              | I   |
| IP number                     | IP21 (protection against the penetration of water, authorized in laundry and area in the bathroom according IEC60364-7-701) |
| Fuse Type/Rating              | T2AL 250V   |
| Model                         | D002A-10L   |

## WARNING

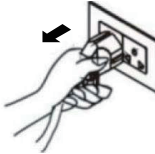
- Make sure the plug is placed fully & firm into the socket !



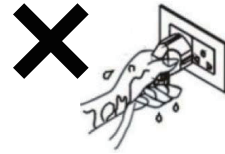
- Make sure the plug is clean !



- After turning the unit off, please take plug out of the socket.



- Do not have wet hands when connecting the power plug.



## CAUTION

- Do not place anything on top of the control panel !



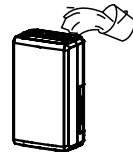
- Do not place anything over the inlet or outlet points.



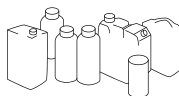
- Do not let children play with the unit or control !



- Do not wet the machine or the control panel !



- Keep the flammable gas/oil away from the machine !

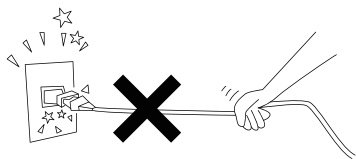


- Ask professionals to do the servicing !

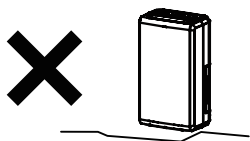


## CAUTION

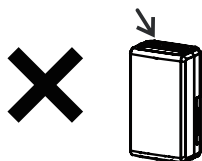
- Do not pull the power cord to avoid broken cord, which lead to danger.



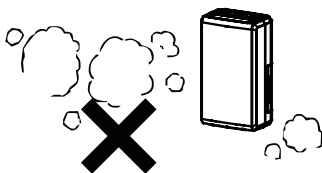
- Do not place the machine on an uneven ground, to avoid shaking, noise and leakage of water.



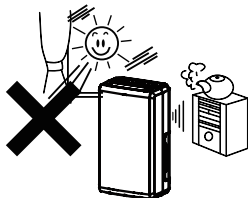
- It is dangerous to put anything into the machine.



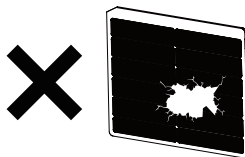
- Do not use in dusty area.



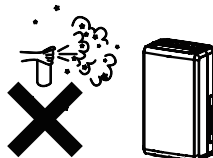
- Keep the machine away from any type of heat sources.



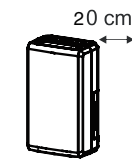
- Do not use without Air filter or with damaged Air filter



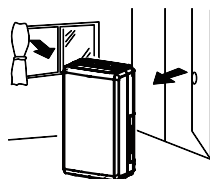
- Do not use insect, oil or paint spray around the machine, it might cause damage to the plastic parts or start a fire.



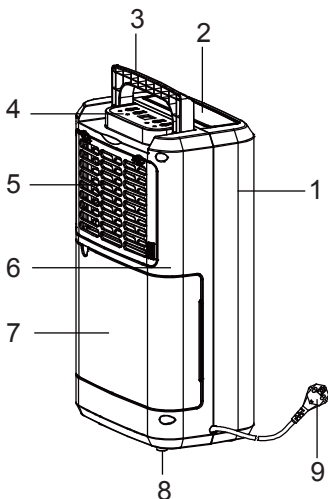
- Please always keep the unit 20 cm away from the wall to dissipate the heat properly.



- Close all the open windows to reach the maximum possible efficiency.

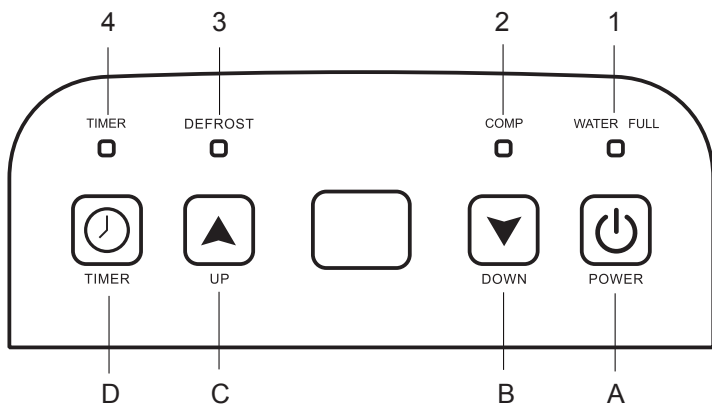


## DESCRIPTION OF COMPONENTS



1. Front shell
2. Outlet
3. Handle
4. Control Panel
5. Filter box
6. Back shell
7. Tank
8. Rubber feet
9. Supply cord

## FUNCTION EXPLANATION



### LED INDICATORS

1. WATER FULL-LED
2. COMP-LED

3. DEFROST
4. TIMER-LED





### Humidity Level & Timer 2 digit display



The indicator features 3 functions:

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

### Push Button Functions

- A. Power Push Button 
- B. DOWN Push Button 
- C. UP Push Button 
- D. Timer Push Button 



### OPERATING INSTRUCTIONS

1. The Power indication light will turn on when the unit is plugged in, regardless of whether the unit is operating or not.




**FUNCTION EXPLANATION**

2. Press  button once to start operation. Press it again to stop operation.

3. Press  or  button to set the desired humidity level in the room, which can be set from 30% to 90% at 5% intervals.

After a period of working, when environment humidity is lower than the selected humidity by 2%, compressor will stop and fan stops working 3 minutes later; When environment humidity is equal to or higher than the selected humidity by 3%, compressor will restart once 3-minute compressor protection time over.

4. press  button can be timer setting :

Press the button to program the time when the unit turns on and turns off. If you want to cancel the timer programming, press the button to adjust the time at 00, and press the button ,it will be circulate from 00-01-02.....23-24.It is the programmed time to switch the machine. The programmed time will be canceled when to switch compressor manually each time. The programmed time remains unchanged if the machine stops to wok due to water full or during defrosting

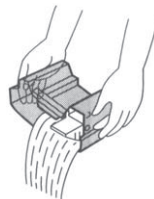
**After switching the unit off, the compressor has an automatic 3 minute time delayed start.**

## FUNCTION EXPLANATION

### • When Water tank Full Lamp Is On

When the water tank is full the machine will stop and the "Water tank Full" light will illuminate. The water tank should be carefully removed from the machine by sliding it outwards from the front of the machine and it should be emptied. When the empty tank is replaced properly into the machine, the machine will start up and run normally.

Please use both hands to carefully empty the water tank.



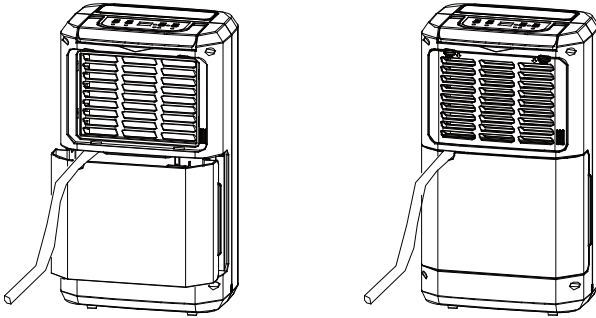
### • DEFROST

When operating in low temperatures (less than 12°C) the surface of the evaporator will accumulate frost and affect the efficiency of the dehumidifier. When this happens the machine will go into periodic defrost mode automatically. This is quite normal. Defrost lamp will come on. The unit will operate in temperatures down to 5°C. Defrost time may vary. If the dehumidifier freezes up turn the unit off for few hours and then restart. It is not recommended to use the dehumidifier in temperatures below 5°C.

## CONTINUOUS DRAINAGE

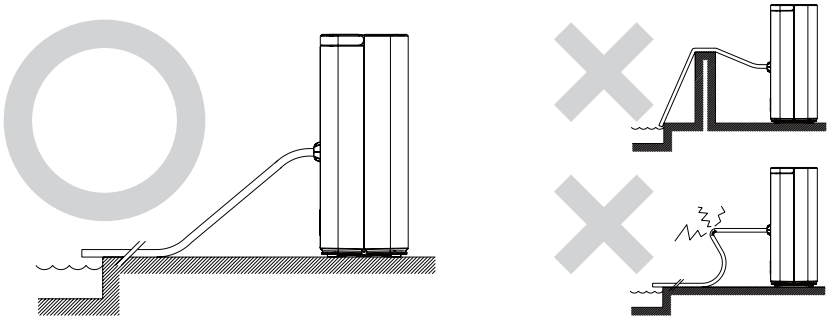
The unit features a continuous drainage port. Using a plastic pipe (with an inner diameter of 10mm) inserts into drain hole (on intermediate plate), reach out from side of water tank, install it in place, and arrange the drain pipe.

The water in the drainage tank can be continuously drained out from the continuous port on the unit.



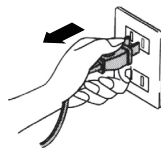
### • The Proper Way To Place The Water Drainage PVC Hose

When using continuous drainage, the PVC hose must be placed below the drainage hole. Avoid uneven surfaces and do not "kink" the hose.



## MAINTENANCE

Please make sure the dehumidifier is unplugged before servicing or cleaning the machine, for safety reasons!



### 1) Clean the Shell :

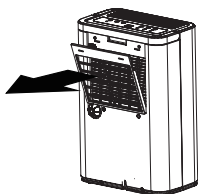
- A. Wipe the shell using soft and clean cloth.
- B. If the dehumidifier is very dirty, please use mild detergent then wipe off the detergent with half dried cloth.
- C. Do not wash the machine with a hose, it will cause leakage of electricity.

### 2) Clean the Air Filter :

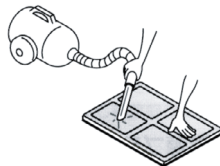
The purpose of the air filter is to filter the dust or unclean material in the air. If the filter is blocked by the dust the usage of the electricity will be greater than normal and there is a risk of overheating. For the best more efficient of removing moisture, please clean the filter every two weeks. Do not use in dusty area.

#### • Cleaning Steps :

- A. Pull out the filter gently.



- B. Clean the filter by vacuum cleaner or washing with clean water then dry the filter using dry cloth.



- C. Place the filter back to its position.

## EMERGENCY

Please unplug the machine when there is something wrong. Contact the store immediately. Do not disassemble the dehumidifier yourself !

## INSTRUCTION FOR SERVICING APPLIANCES CONTAINING R 290

### 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.

#### 1. Work procedure

Work shall be undertaken under a controlled procedure so as 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 refrigerants, i.e. nonsparking, 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 CO<sub>2</sub> fire extinguisher adjacent to the charging area.

#### 5. No ignition sources

No person carrying out work in relation to a refrigeration 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 work. 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 is 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 component 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:

- that 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 absolutely 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

## INSTRUCTION FOR SERVICING APPLIANCES CONTAINING R 290

that this will not exceed the permissible voltage and current permitted for the equipment in use.

Intrinsically safe 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 the 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 take into account the effects of aging or continual vibration from sources such as compressors or fans.

### 12. Detection of 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 deemed acceptable for systems containing flammable refrigerants.

Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed.

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 pipe-work.

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

If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. 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 absolutely vital if brazing operations on the pipe-work 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. 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 to commissioning. A follow up leak test shall be carried out prior to leaving the site.

## 16. Decommissioning

Before carrying out this procedure, it is essential that the 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 re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

- a) 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 required, for handling refrigerant cylinders;  
all personal protective equipment is available and being used correctly; the recovery process is supervised at all times 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. Labelling**

Equipment shall be labelled stating that it has been de-commissioned 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 designated for the recovered refrigerant and labelled 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 working 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.'

## INSTRUCTION FOR SERVICING APPLIANCES CONTAINING R 290

### **19. Transport of equipment containing flammable refrigerants (Annex CC.1)**

Compliance with the transport regulations

### **20. Discarded appliances supplies flammable refrigerants**

See National Regulations.

### **21. Storage of equipment/appliances**

The storage of equipment should be in accordance with the manufacturer's instructions.

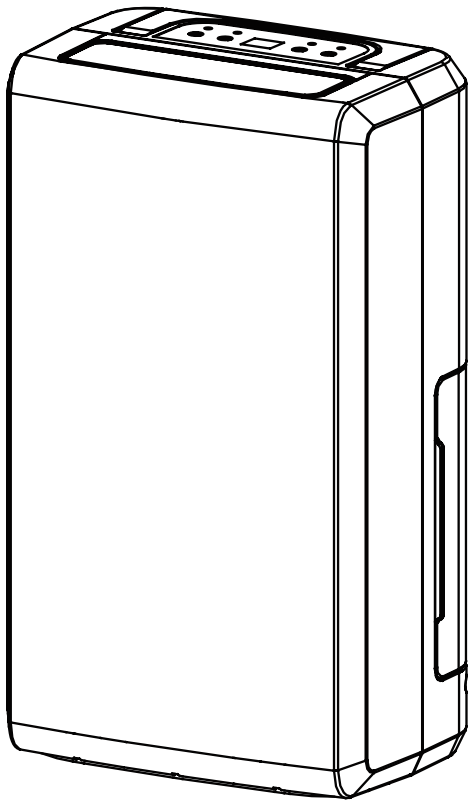
### **22. Storage of packed (unsold) equipment**

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.

### **23. Marking of equipment using signs**

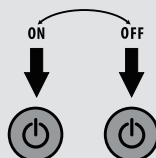
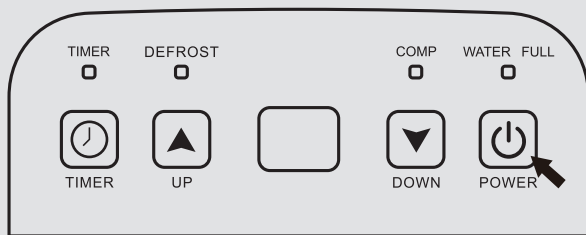
See local regulations



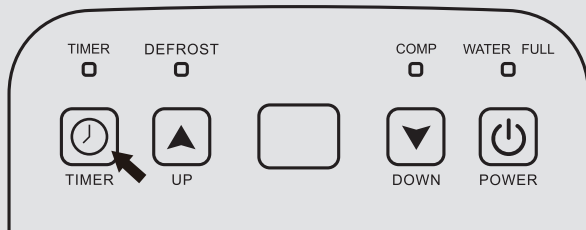
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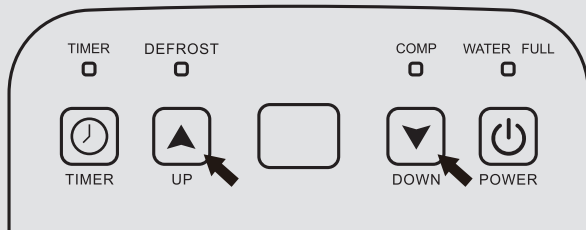


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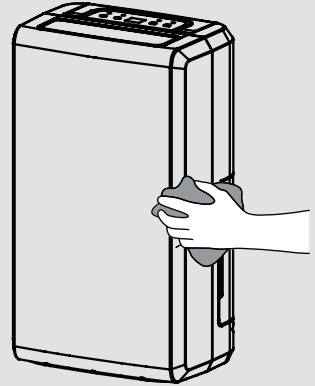
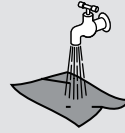
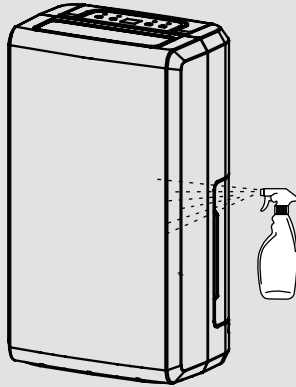
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(Co: déshumidifier en continu/deshumidificación continua/desumidificação continua/deumidificazione continua/συνεχής αφυδάτωση/ciągłe osuszanie/continuu dezumidificați/continuous dehumidify)

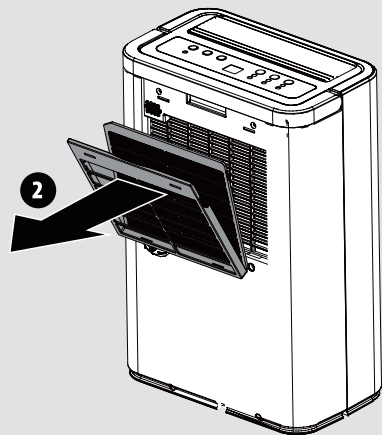


FR: Entretien / ES: Mantenimiento / PT: Manutenção / IT: Manutenzione /  
EL: Συντήρηση / PL: Konserwacja / RO: Întreținere / EN: Maintenance

1



2





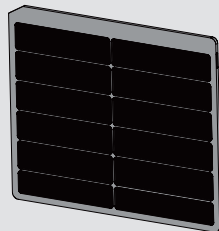
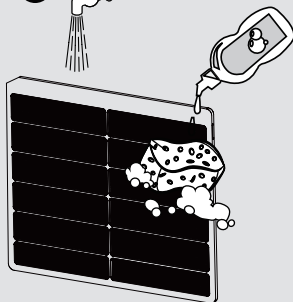
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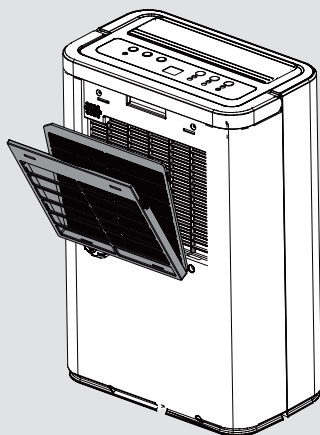
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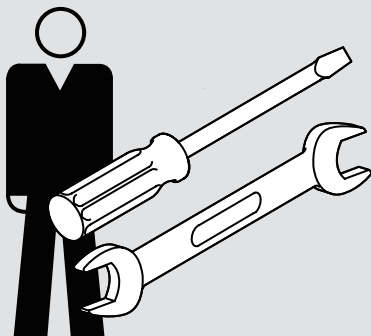
3



4



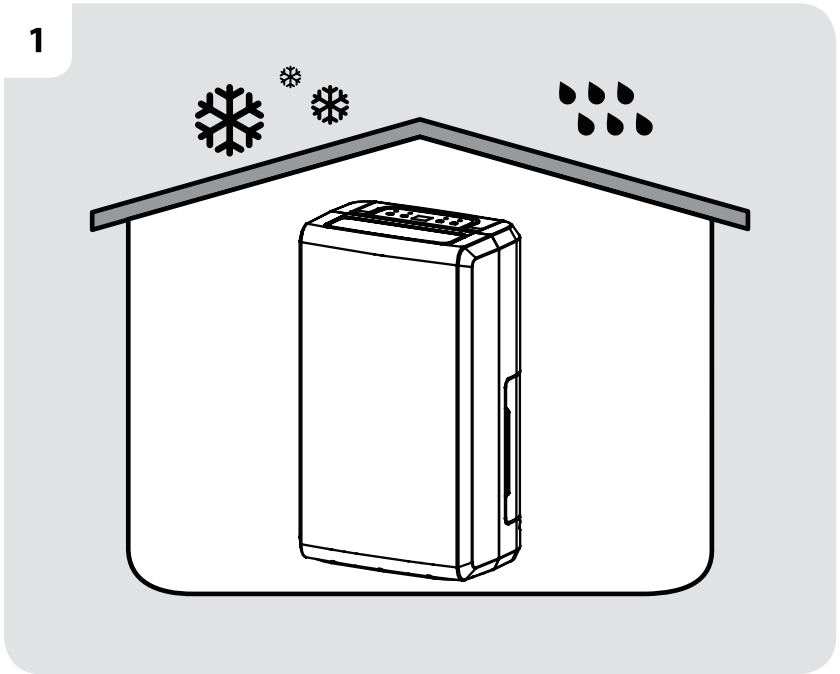
5





FR: Hivernage / ES: Durante el invierno / PT: Preparação para o inverno /  
IT: Rimessaggio / EL: Αποθήκευση το χειμώνα / PL: Przechowywanie /  
RO: Păstrare pe perioada iernii / EN: Winter storage

1





\* Garantie 2 ans / 2 años de garantía / Garantia de 2 anos / Garanzia 2 Anni / Εγγύηση 2 ετών /  
Gwarancja 2-letnia / Garantje 2 ani / 2-year guarantee

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Made in P.R.C. 2020

