



MANUAL
RPDH50 - RPDH90



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Dear Customer,

If you require any help with your product, whether it is a warranty claim, spare part or user information, please visit www.euroquip.co.nz first and register your product online. Once registered, please log a request online or call us on 0800 387 678

Your new Remington Power Dehumidifier should more than satisfy your expectations. It has been manufactured under stringent AS/NZS Quality Standards to meet superior performance criteria.

CAUTIONS

Read and understand all of the operating instructions, safety precautions and warnings in the Instruction book before operating or maintaining this dehumidifier.

Most accidents that result from dehumidifier operation and maintenance are caused by the failure to observe basic safety rules or precautions.

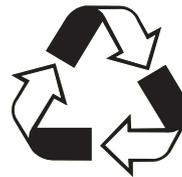
An accident can often be avoided by recognizing a potential hazardous situation before it occurs, and by observing appropriate safety procedures.

Basic safety precautions are outlined in the "SAFETY" section of this Instruction Manual and in the sections which contain the operation and maintenance instructions.

Hazards that must be avoided to prevent bodily injury or machine damage are identified by WARNINGS on the dehumidifier and in this Instruction Manual.

Never use this dehumidifier in a manner that has not been specifically recommended by manufacturer, unless you first confirm that the planned use will be safe for you and others.

ENVIRONMENT PROTECTION



Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

DESCRIPTION OF SYMBOLS

The rating plate on your tool may show symbols. These represent important information about the product or instruction on its use.



Wear hearing protection
Wear eye protection
Wear breathing protection

Conforms to relevant standards for electromagnetic compatibility.

MEANINGS OF SIGNAL WORDS

! **WARNING:** Indicates a potential hazardous situations which, if ignored, could result in serious personal injury.

! **CAUTION:** Indicates a hazardous situation which, if ignored, could result moderate personal injury or could cause machine damage.

NOTE: Emphasizes essential information.

1 Safety

- The dehumidifier must always be connected using a grounded electrical connection as required for all electrical appliances. The warranty is voided and all responsibility for the operation transfers to the owner if non-grounded wiring is utilized.
- The dehumidifiers must be maintained and serviced by qualified technicians.
- The dehumidifiers are intended for use only when the unit is installed in a level and upright position. Operating the unit in any other position could cause water to come in contact with the electrical components.
- Before moving the dehumidifier, turn off dehumidifier and allow pump to empty reservoir. If unit is already off, press "P" button to confirm drain reservoir is empty.
- After the pump has finished operation, unplug the power cord and relocate unit to the desired position.
- If the inside of the unit has gotten wet for any reason, the unit should be opened and allowed to dry thoroughly before reconnecting to electric and restarting.
- For proper operation, neither the inlet or discharge should be positioned against a wall.
- A minimum of 12" (30 cm) clearance between unit and any obstruction is required.
- Do not insert any objects or fingers into the inlet or discharge.
- All work on unit should be done with the unit "off" and unplugged.
- Do not use water to clean unit exterior. Only use a damp cloth to clean exterior and always unplug the unit first.
- Do not use unit as shelf or device to hang clothes. This could cause damage to unit.
- Do not stand on machine.

2 Description

Model	RPDH50	RPDH90
Voltage - Frequency	230 V - 50 Hz	230 V - 50 Hz
Power	650 W	1300 W
Air flow	700 cm ³ /h	850 cm ³ /h
Capacity	50 l/24 h	90 l/24 h
COP (230 V/50 Hz)	l/kWh	l/kWh
Working temperature	1 ~ 40 °C	1 ~ 40 °C
Working humidity	35 ~ 95 %	35 ~ 95 %
Pump capacity	85 W	85 W
Elevation height pump	5 m	5 m
Sound pressure level	56 dB (A)	56 dB (A)
Dimensions (l x w x h)	485 x 905 x 465 mm	555 x 1060 x 590 mm
Weight	28 kg	42 kg

The dehumidifier operates based on the refrigerant principle of dehumidification.

Unit can be ducted if necessary.

Pump safety feature, overflow protection.

Drain pump with automatic and manual control.

Automatic (humidistat) or manual control.

If power is interrupted during operation, the unit will automatically restart when power is restored.

Eco-friendly R410A refrigerant.

Self monitoring system.

How your dehumidifier works

The dehumidifier utilizes either its integral humidistat to monitor the conditioned space or a manual on/off control to energize the compressor when needed. Air is drawn across an evaporator coil. The evaporator coil is cooler than the dew point of the air so water vapour will turn into liquid condensation. Air is then reheated through the condenser coil and distributed back into the room.

3 Installation



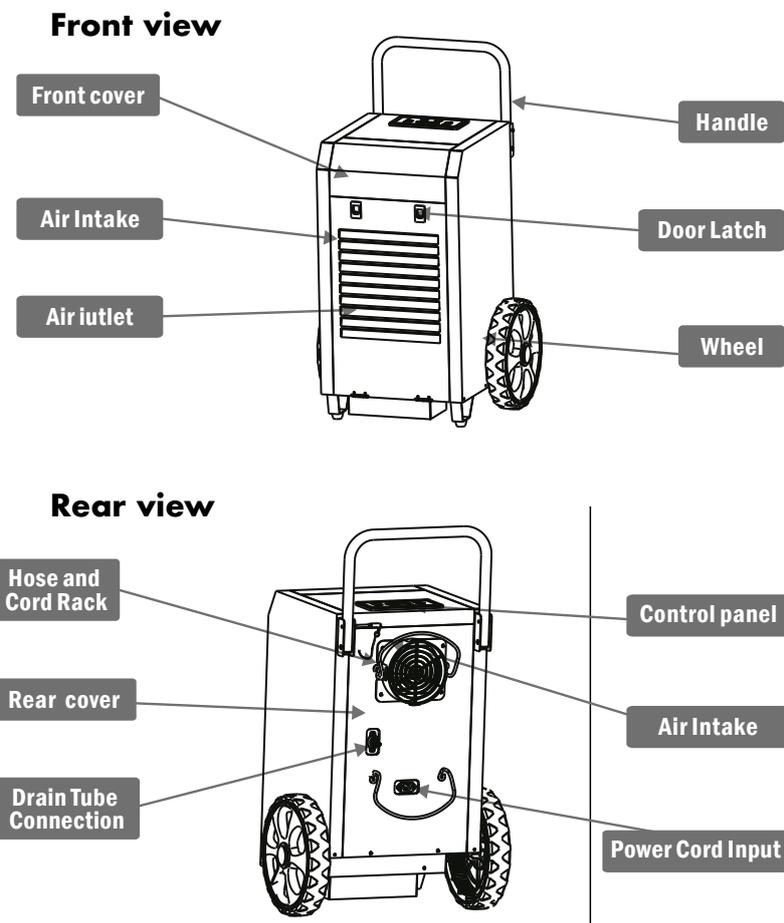
WARNING! 120 volts AC may cause serious injury from electric shock.

- Disconnect electrical power before servicing.
- Only plug unit into grounded electrical outlet.
- Do not use extension cord.
- Do not use plug adapter.
- Power supply: 230 V, 50 Hz, AC only 1 phase.
- Circuit Protector: 15 Amp time delay fuse or circuit breaker.
- Alternatively, you can manually control unit to operate independent of space conditions.
- Place unit in desired location. The inlet of unit should be at least 12" (30 cm) from any obstructions.
- If unit is transported in the horizontal position, allow it to sit in upright position for at least 30 minutes before operating.



WARNING! It is recommended that the unit be removed from any location where corrosive or high VOC content materials are applied.

Unit overview



4 Setting up instructions

⚠ IMPORTANT

Place dehumidifier in the upright position. When transporting a dehumidifier to site, allow the dehumidifier to stand for 30 minutes before switching ON. This is necessary to allow the refrigerant system to stabilise and avoid system damage .

SETTING UP THE DEHUMIDIFIER: Operate the dehumidifier in an enclosed area, as this creates a drying chamber. Close all doors, windows or areas that open to external areas, to maximize the dehumidifier's water removal efficiency. Keep traffic through the drying chamber to a minimum. Place the dehumidifier in the centre of the room away from walls and furnishings. **DO NOT** allow the airflows to be obstructed.

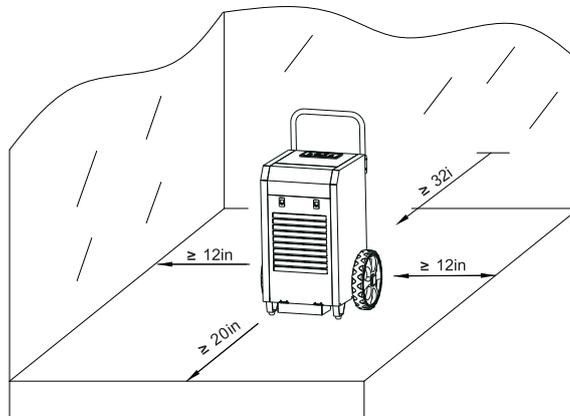


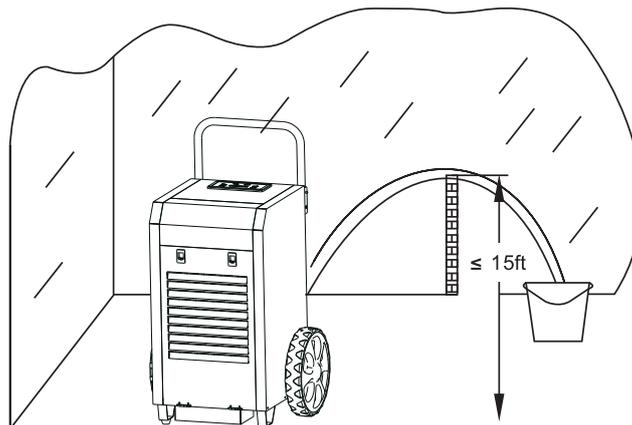
Illustration of correct positioning for best performance

DRAINAGE: The dehumidifier pump connects to a plastic drainage hose. The hose is stored on the back of the appliance. Uncoil the entire hose ensuring there are no kinks or restrictions and place the unattached end into a water vessel or run to outdoors.

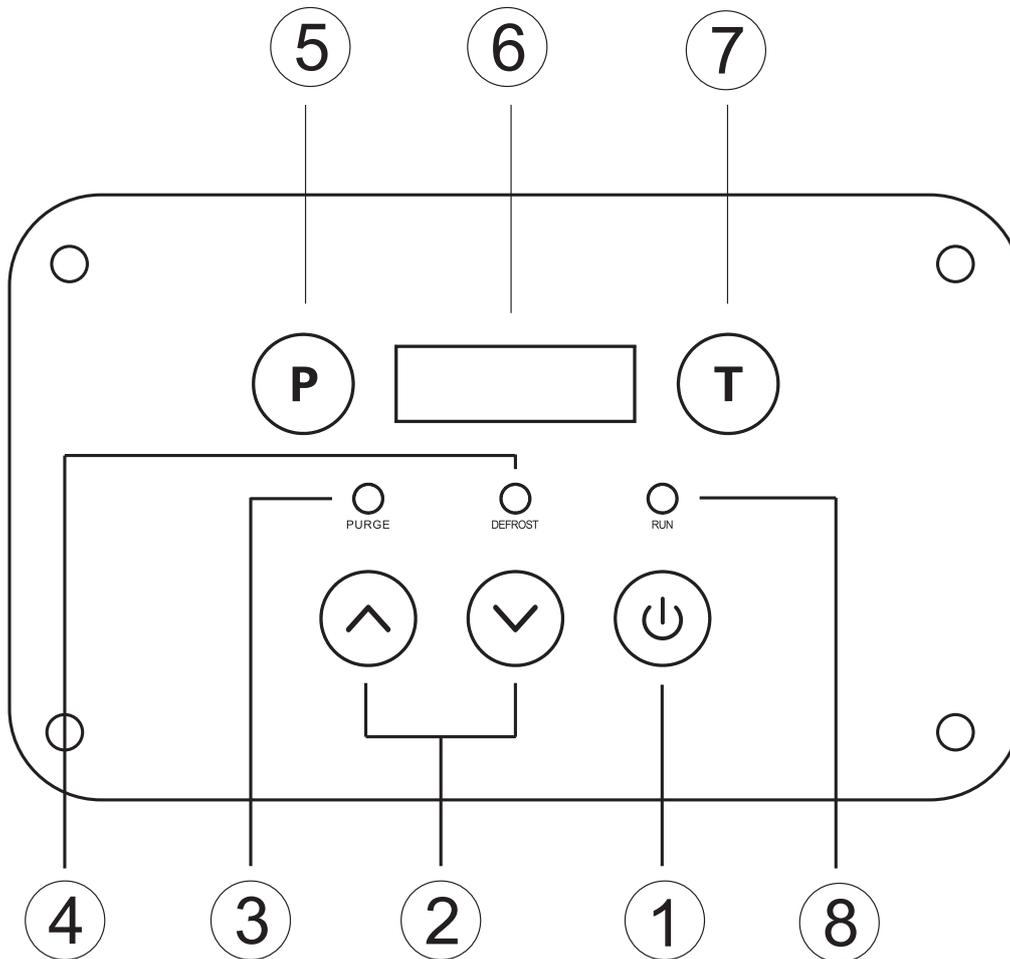
Ensure that water which runs to outdoors does NOT create a slip hazard.

Water vessels **MUST** be checked regularly where used.

* The position of drain water pipe would not be too high ($\leq 15\text{ft}$). Failure to do so may cause a water backup in the pump resulting in leakage.

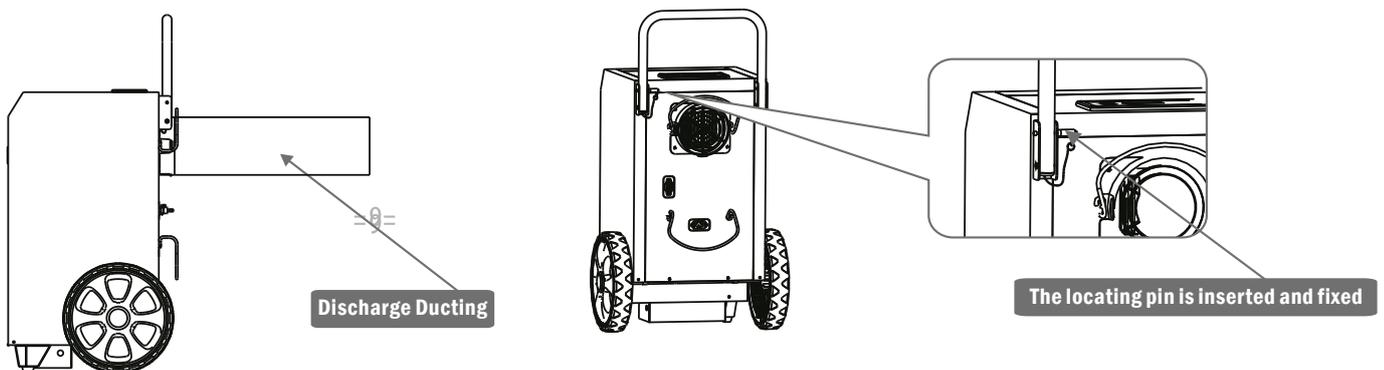


4.1 Control Panel



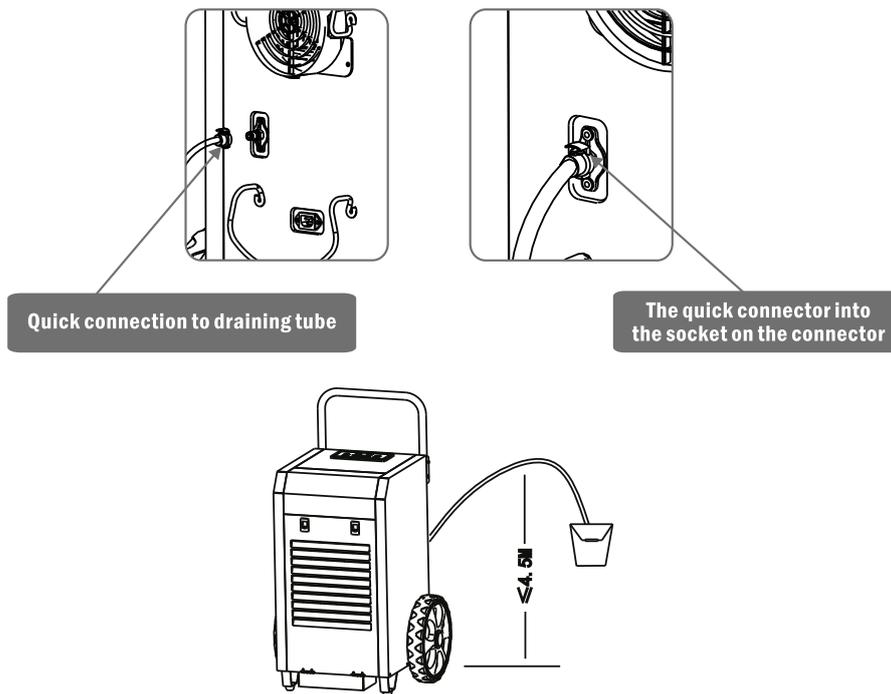
1. ON/OFF Key
2. UP AND DOWN Key
3. Purging Indicator
4. Defrosting Indicator
5. PURGE Key
6. HUMIDITY AND TIME Display
7. TIME Key
8. Operating Indicator

- A. **⏻ ON/OFF**: Press the ON/OFF key to turn the unit ON or OFF.
- B. **P PURGE**: Press the PURGE key to empty water from the pump reservoir. During normal operation the pump purges automatically when the reservoir is full. Use 'PURGE' before moving the machine to avoid water spillage. The pump will close automatically after forty seconds continuous operation.
- C. **⬆ and ⬇** :
Press **⬆** and **⬇** key to set or adjust humidity in the range between 26% and 90%. When the environmental humidity is below 26% "CO" will be displayed.
- D. **T TIME**: Display working hours and totally working time After turning on operation, it can display setting humidity(left) and current humidity(right), and humidity could be changed by pressing "Up and Down". for the current time, and the time unit is based on minutes, for example, if it displays "0000:50", it means that it has worked for 50 minutes this time. If you want to view the totally working time, please press "T" once more, and it will shows for 10s and returns automatically to the original working hours. If you press "T" before it has lasted for 10s, it also can turn to the original working hours.
If the unit is in power but not in operation, LED will displays nothing, and in this condition, the working hours at the last time will be showed for 10s if "T" is pressed one time. But within 10s, if "T" is pressed again, the totally working time will be showed for also 10s, and within 10s, if there is no action, LED will automatically turn down. In addition, if "T" is pressed again when LED displays the totally working time, LED will turn down immediately. What's more, the current working time will be deleted by pressing "T" for 5s continuously, and the time will be recounted, but the deleted time will be added into the totally working time.
- E. Defrost Indicator
The unit begins to defrost when the defrost indicator lights; the unit stops defrosting when the defrost indicator is off. When defrosting finishes, the unit begins to dehumidify automatically again.
Note: The totally working time can not be deleted, if the time is beyond the range of LED showing time, it will be deleted and recount from the start.



5 Preparing the unit for use

1. Position the machine for a minimum 12" (30 cm) clearance on back and sides. Front should be positioned for maximum discharge distance or directly to specific location for spot drying.
If the unit was moved in such a manner that the compressor didn't remain in a vertical orientation, wait a minimum of 30 minutes before turning the unit "on."
2. The included drain line attaches to the unit via a quick connection type fitting located on the base of the unit. The drain line should be routed to a suitable drain or outside. Because the unit features an integral drain pump, drain line may go vertically up 18" (45 cm) prior to reaching final drain location.



3. Firmly insert power cord into socket on top back of unit.
4. Set unit control as desired and energize.

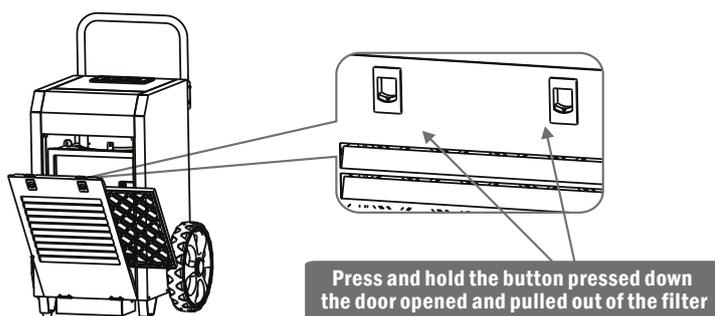
6 Maintenance and repair

6.1 Exterior cleaning

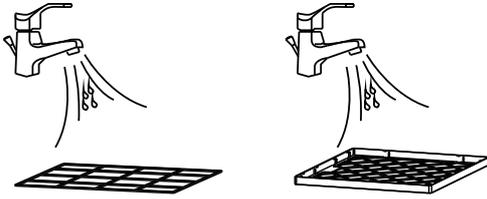
Use a soft, slightly damp cloth to wipe the plastic body.

6.2 Filter cleaning

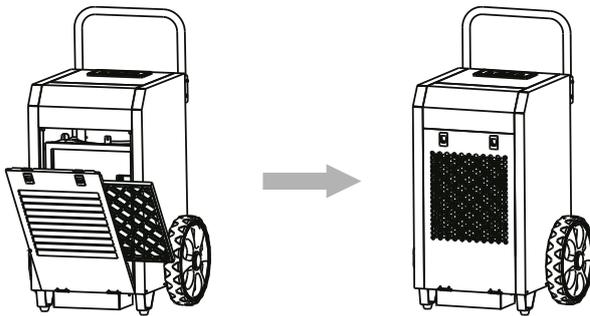
1. Remove the inlet grille to access the filter.



2. Filter may be cleaned by vacuuming or by washing with warm water (no soap or solvents). Insure filter is dry prior to restarting unit.



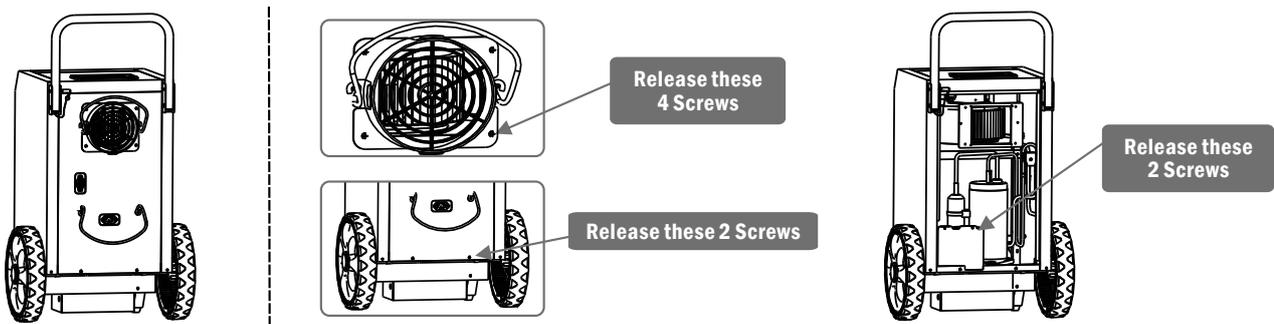
3. Reinstall filter into unit.



Insert the filter box then close the wind panel.

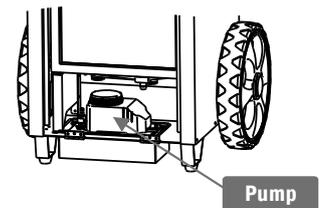
6.3 Electronic control maintenance

1. To release screws on the rear cover removed.
2. Open the cover and remove the electrical box cover.



6.4 Water pump maintenance

The pump is designed with quick connection construction. If service is required, condensate tube, float switch connections, and the main power cord to pump can easily be disconnected. The pump can be removed from reservoir by using a flat screwdriver to gently pry pump assembly from reservoir. Your dehumidifier is equipped with an integral condensate pump designed to pump condensate from your dehumidifier out to the desired drain. This pump requires routine maintenance that is not covered by your 1 year parts warranty. Only a defective pump will be repaired or replaced during the warranty period.



Open the rear cover and pull the pump out

6.5 Preventative maintenance

As with all pumps, preventative maintenance is necessary to prevent issues from dirt and slime that may accumulate in the drain system – including the drain pan, hose to the condensate pump, pump reservoir, pump head and float assembly, and discharge tubing.

6.6 At least once per year, clean pump system

Basic:

1. Press the pump button (P) to drain water from reservoir.
2. Disconnect power to dehumidifier.
3. Mix a 16 oz solution of either 1 oz bleach to 15 oz water or 4 oz white vinegar to 12 oz
4. water. Pour into the drain tray at the base of the coils.
5. Note: If you get any cleaning solution on the coils, flush with water.
6. Allow to soak for 15 minutes.
7. Reconnect power to dehumidifier.
8. Fill reservoir and flush/cycle pump at least two times.
9. Repeat if needed or refer to advanced instructions.

Advanced:

1. a. Use manual pump button “P”, to drain water from reservoir.
b. Unplug the dehumidifier and open cover to access pump.
c. Pump head can be removed from reservoir by pressing on tabs.
d. A wet-dry vacuum or towels can be used to remove remaining water from reservoir.
2. Fill pump reservoir with a diluted cleaning solution (15 oz water to 1 oz bleach or 12 oz water to 4 oz white vinegar).
3. Reassemble pump and use manual pump button to flush mixture through discharge tubing.
4. Pour same diluted mixture slowly into drain pan under evaporator coil and allow it to clean hose from pan to pump. This process can be stopped when the pump energizes 1 time.
Note: If you get any bleach/water mixture on coils, flush with water.
5. Pour sufficient clean water through drain pan to force pump to activate twice.
6. Reassemble unit and return it to operational status.

Coil:

If necessary, clean your coils with a vacuum or approved coil cleaner.

7 Storing your dehumidifier

If the unit will be stored for an extended period of time:

1. Turn unit off and allow to dry.
2. Manually drain pump reservoir.
3. Wrap and secure the power cord .
4. Clean the filter mesh.
5. Store in clean, dry environment.

8 Troubleshooting

Trouble	Cause	Solution
Machine won't work/Display is blank	Display blank. Power outage or poor connection.	Check power supply. Check both ends of power cord for good connection.
	Room temperature outside unit operating range. HI or LO error	Modify room conditions in between 33 and 100 °F.
Cannot start the dehumidifier	Filter mesh is clogged.	Clean the filter.
	Air inlet or outlet jammed.	Clear the blockage from air inlet or air outlet.
No airflow	Filter mesh jammed.	Clear the filter.
	Unit is not level.	Place unit on flat surface in vertical orientation.
Loud/unusual noise	Pump dislodged.	Reassemble pump as necessary.
Trouble code: E1	Humidity sensor or communication error.	Check sensor cable is properly connected. Replace the sensor.
Trouble code: E3	Temp sensor or communication error.	Check sensor cable is properly connected. Replace the sensor.
Trouble code: E4	Pump detected high water in reservoir (See notes below)	Check for clogged drain lines. Check pump working properly, service pump. Replace pump.
Trouble code: LO	Unit is sensing room temperature below 33 °F	Increase room temperature. Check sensor. Check sensor cable.
Trouble code: HI	Unit is sensing room temperature above 100 °F	Decrease room temperature. Check sensor. Check sensor cable.
Trouble code: E1, LO, HI	Shows E1, LO, HI at the same time indicates a bad connection, cable or sensor	Check cable connection. Replace cable. Replace sensor.

Pump alarm-error code E4

If a pump alarm is provided on display:

1. Clear error code by disconnecting power cord and then reconnecting.
Note: Unit will not function until error code has been cleared.
2. Manually check to see if pump is operational. Press pump button (P) and see if pump energizes and de-energizes properly and if any water is purged from system. If you haven't cleaned the system recently, check discharge line for obstruction and clean balance of pump system per instruction above.
3. Replace hoses and or pump if maintenance alone is not sufficient.

9. WARRANTY

As part of an on-going commitment to excellence in product support, Euroquip offers a comprehensive product warranty program.

In order to qualify for full warranty support, your product must be registered. If a Euroquip dealer has not already registered your product, please register it online at www.euroquip.co.nz.

Registered warranty period for the RPDH50/90 Dehumidifier: Commercial Use: 12 Months

Warranty covers failure caused by manufacturing and material defects in the product, during the warranty period specified. The warranty period begins when the product is purchased by the end user. Warranty is not transferrable and is only claimable by the original purchaser.

Warranty does not cover parts that are subject to wear and tear from usage.

Warranty covers failure of a product caused by defective materials and/or manufacturing for the period given and the usage specified by Euroquip. The warranty period begins when the product is purchased by the end user. Warranty is not transferrable and is only claimable by the original purchaser.

Warranty also does not cover failure caused by the untimely replacement or service of the above wearing parts. Evidence must be provided that the product has been maintained and serviced suitably for a claim to be considered under warranty.

Failure caused by incorrect operation of the product, lack of proper care and maintenance of the product, external damage, external circumstances such as contaminated fuel or poor water supply, modifications to the product, attempted repair/

service by a party other than an Approved Service Agent, is not covered under warranty.

Warranty does not cover pre delivery service and adjustment, or failure that may occur as a result of lack of/ incorrect pre delivery service and adjustment.

Warranty does not cover any incidental, indirect or consequential loss, damage or expense that may result from any defect, failure or malfunction of a product.

Should any issue be found to be a combination of a warranty failure and a non-warranty issue, the repair cost component to rectify and repair the non-warranty failure is the customers' full responsibility.

The decision that an issue with a product qualifies as a warranty claim is made at the sole jurisdiction of Euroquip.

No costs incurred will be considered under warranty if repairs are carried out by a party other than a Euroquip Approved Service Agent, unless with prior consent in writing from Euroquip.

It is the responsibility of the purchaser to deliver a product under warranty to the nearest relevant service agent or product reseller. Warranty does not cover call outs, mileage and freight costs.

If a product is repaired under warranty, parts and labour required for the repair will be supplied at no charge. Warranty assessment and repair will be scheduled and executed according to the normal work flow at the service location and depending on the availability of suitable replacement parts.

This warranty policy is an additional benefit and does not affect the legal rights of any end user, reseller or service agent.







Congratulations on your new REMINGTON POWER product. We are proud to have you as our customer and will strive to provide you with the best service and reliability in the industry. This product is backed by our extensive warranty and service network. To locate your nearest distributor or service agency visit www.euroquip.co.nz or email us at customerservice@euroquip.co.nz.