

**INSTALLATION  
INSTRUCTIONS  
AND MAINTENANCE  
GUIDE**



***EB-705 LIFTING STATION***





# INSTALLATION INSTRUCTIONS AND MAINTENANCE GUIDE



## EB-705 LIFTING STATION



### TABLE OF CONTENTS

1. SAFETY INSTRUCTIONS .....	03
2. MAIN COMPONENTS .....	04
3. INTRODUCTION .....	05
4. GENERAL DESCRIPTION .....	05
4.1. Operation.	
5. SYSTEM SETUP .....	06
5.1. Installation recommendations.	
5.2. Power supply connection.	
5.3. Starting up.	
6. INSTRUCTIONS FOR END USERS .....	08
7. MAINTENANCE OPERATIONS .....	09
7.1. Cleaning.	
7.2. Troubleshooting guide.	
7.3. Motor disassembly and extraction.	
7.4. Replacement/cleaning of non-return valve.	
8. TECHNICAL SPECIFICATIONS .....	12
8.1. Hydraulic Characteristics	
9. LAYOUT AND SECONDARY VENTILATION SYSTEM DIAGRAM .....	14
10. EXPLODED VIEWS .....	15
10.1. Lifting station assembly.	
10.2. Cassette assembly.	
11. BASIC INFORMATION .....	16
12. COMPLIANCE DECLARATION .....	17
13. WARRANTY .....	18

### 1. SAFETY INSTRUCTIONS.



**CAUTION:** For the purpose of reducing the risk of electrocution, do not open the upper lids. Do not manipulate the interior of the sanitary waste disposer.

Always seek qualified and professional help.



**WARNING:** For the purpose of avoiding possible fires and electrocution, do not expose this appliance to water, rain or flood.

### DETAILED SAFETY INSTRUCTIONS.

The following safety and operating instructions must be read before operating the appliance and kept in case of future enquiries.

All the user's instructions and guidelines established in the manual must be followed.

***This product is to be installed in accordance with the Plumbing Code of Australia (PCA) and AS/NZS3500. Electrical installation by licensed electrical contractor to AS/NZS3000.***

## DETAILED SAFETY INSTRUCTIONS.

The appliance should be installed in such a way and position that the air inlet and outlet through the top are not obstructed. The appliance must not be installed within pieces of furniture or cupboards that may stop the airflow around the unit.

The unit must be placed away from heat sources such as: radiators, heaters and other appliances generating heat.

This appliance must be connected to the electrical power supply indicated in these instructions or on the adhesive label fixed to it.

This unit must only be connected to an earthed socket. Check if the socket works correctly before use.

The supply cable must be placed to avoid being stepped on, pierced or damaged by any object near it.

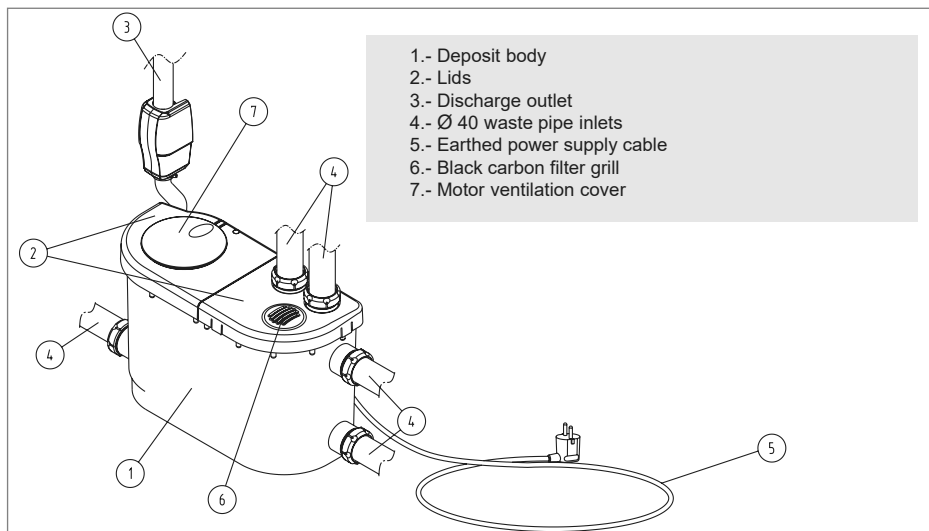
The waste disposer must only be cleaned with a damp cloth moistened with a mild soap solution. Do not employ cleaning products containing solvents or acids.

When long non-use periods are expected, disconnect the plug from the socket.

Damages that require technical support such as: Damage in the power supply cable, appliance working inadequately or incorrectly, must be repaired by qualified professionals.

Except otherwise stated in this manual, all maintenance and repairing operations must be carried out by qualified personnel.

## 2. MAIN COMPONENTS



### 3. INTRODUCTION.

The CICLON LS lifting station allows the pumping of waste water from: washbasins, bidets, showers, bathtubs, sinks, urinals, washing machines and dishwashers, in uncommon locations, at a distance and/or at a different level from a waste pipe, as long as there is a waste pipe available at a maximum distance of 72 metres (m) horizontally or 7m vertically, or a combination of both, as described in this manual.

The CICLON LS lifting station is the solution to problems with renovating and creating alternative installations in places such as: lofts, basements, garages, stairwells, offices, factories, restaurants, pubs, gyms, businesses, terraces, etc., which is characterised by its low noise level.

Its attractive and practical design fits perfectly into the bathroom and makes its installation and dismantling easier in the case of maintenance being required, thanks to the independence of the motor unit. It allows easy access and fast replacement, thus avoiding the "out of service" situation while being repaired.

### 4. GENERAL DESCRIPTION.

The CICLON LS lifting station allows the installation and drainage of up to 5 sanitary fixtures and appliances located at the same level (washbasin, bidette, shower, bathtub, sink, urinal, washing machine, or dishwasher).

Sanitary fixtures can be connected to the lifting station through the 40mm inlets with the adaptors and nuts supplied. The total flow drained to the lifting station must not be more than the total flow pumped by the CICLON LS lifting station.

The lifting station includes two main parts:

- The deposit body ①, which receives the drainage connection from the sanitary fixtures.
- The motor assembly, which contains all the mechanisms: the pressure switch and the turbine.

#### 4.1. OPERATION.

Once installed, the lifting station is automatically activated when any connected sanitary fixture is discharged. Likewise, it automatically disconnects when the water stops flowing into the unit.

The waste water enters the unit, raising the level inside it, triggering the the pressure switch, which activates the motor and pump.

The turbine pumps the waste water that is received through the side or top inlets ④ turning at 2,700 rpm. The waste water is pumped through the discharge outlet ③ into a 25mm PVC pressure pipe graded to a vented sewer drain.

Depending on the height of the vertical discharge pipe, a working cycle will last between 7 and 12 seconds.

If the lifting station operates for an excessive length of time, or continuously starts up (once the water is no longer flowing into the unit), it should be checked to see whether there are any leaks from the sanitary fixtures connected to the side or top inlets.

## 5. SYSTEM SETUP

Locate the CICLON LS in the desired place and connect the inlets and outlet. (See connection diagram on page 14). Leave a minimum distance of a metre from the wastepipe to the lifting station, so that this works for an adequate length of time.

Bring the desired connecting pipes to the lifting station, remove the necessary flat caps and connect the smooth pipe to the side and top inlets, affixing the 40 mm (1 1/2") pipe using the nut and conical joint supplied.

The lifting station is supplied with 3 non-return valves, which we recommend be installed in the lower side inlets and, if necessary, in the upper side inlet. A non-return discharge valve is also supplied and this must always be installed in the outlet of the lifting station.

Additionally, if necessary, they can be installed in the top inlets (non-return valves not supplied).

The unit receives water from the connected sanitary fixtures by means of gravity.

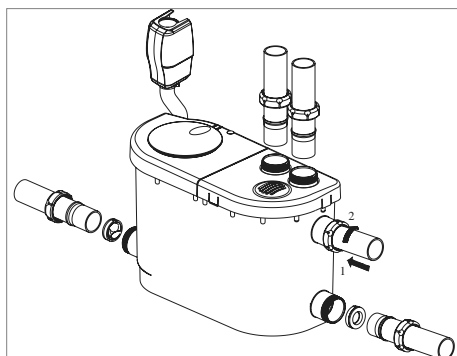
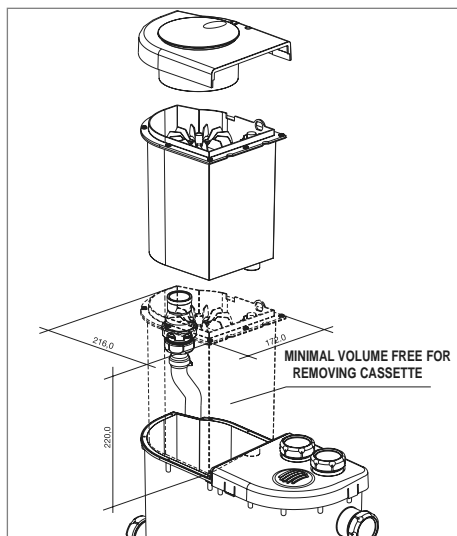
When a shower base is connected to the lifting station, it is essential to provide a minimum height of 180mm between the lower part of the shower base and the lifting station base, thus providing the necessary grade towards the waste inlet

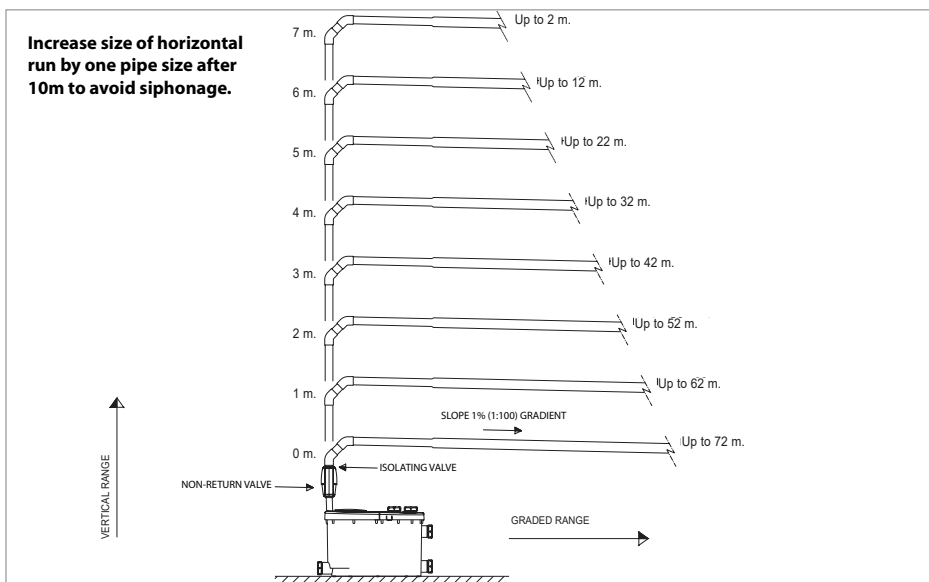
The CICLON LS lifting station has a discharge socket connection fitted with a non-return valve. In case of obstruction and for easy cleaning of the non-return valve it is recommended to install a shut-off valve within the vertical discharge pipe that interrupts its emptying (immediately above the non-return valve) on the pumped discharge line.

Connect the discharge pipe and the waste pipe. The lifting station propels, through the 25mm PVC Pressure pipe, up to a maximum height of 7m or as far as a horizontal distance of 72m, or a combination of both (see diagram). A constant of 1% (1:100 gradient) minimum slope must exist up to the discharge point.

In combined installations (vertical and horizontal), it must be considered that 1m of vertical elevation is equivalent to approximately 10m of pipe at 1% (1:100) gradient.

If the installation includes a vertical elevation, the latter must prevail over the graded length of pipe, that is, any vertical section of the pumped discharge pipe must be located immediately after the lifting station's non-return valve (NRV). The installation of bends or U-turns results in a pressure head loss that must be subtracted from the maximum pumping distance (reduce 1m per bend from the maximum graded distance).





## 5.1. INSTALLATION RECOMMENDATIONS.

**PIPE** – For the pumped discharge use a 25mm PVC Pressure Pipe. Do not trap or make siphons with the pipe that may retain objects and cause obstructions.

**PIPE SUPPORT** – Discharge pipes must be fixed with the appropriate clips according to the manufacturer indications and AS/NZS 3500.

**BENDS** – Do not use 90° elbows. Two 45° elbows can be employed to make a 90° bend.

**AVOID DIAGONAL INCLINED RUNS** – Discharge pipes must always be installed vertically or on grade, but never diagonally.

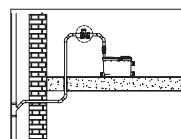
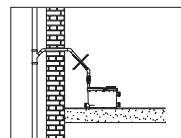
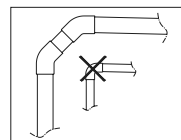
**PROTECTION AGAINST FROST** – In areas where frost risk due to low temperatures is high, all pipes at risk of freezing must be protected by means of thermal insulation.

**CONNECTION TO THE SEWER** – The connection to the sewer must be carried out by means of a 45° inclined, or oblique junction. If the connection to the sewer is at a lower level than the waste disposer base, a Premi-Aire Air Vent must be set above the highest point in the installation to prevent the waste disposer from siphoning.

**DISCHARGE** – The pumped discharge from the lifting station must always be connected to the soil drainage system or a grey water tank. Do not connect the pumped discharge into a stormwater drain, or other unauthorised pipe.

**VENTILATION** – The lifting station unit must be placed in a well ventilated space. It should never be installed in wall-embedded installations behind walls, etc, as they prevent the correct ventilation of the motor, which incorporates a self-ventilating mechanism.

**SANITARY FIXTURES** – The lifting station is prepared for the connection of up to 5 sanitary fixtures and appliances (washbasin, bidette, shower, bathtub,



sink, washing machine, dishwasher). It is necessary to check that the total flow drained from these fixtures collectively at any given time never exceeds the total pumped flow rate of the lifting station (See section 8.1 for flow rate details).

## **5.2. POWER SUPPLY CONNECTION.**

Connect all the sanitary elements and the drainage network before carrying out the connection of the power supply.

It is necessary to have an electricity supply of 240 V, Australian/ New Zealand socket standard, with two poles and an earth connection exclusively for connection of the unit.

Place the lifting station in such a way that the plug is accessible, since before any maintenance operation it will have to be disconnected before proceeding with disassembly.

The lifting station must be connected to a network that is protected by a residual current device (RCD).

## **5.3. STARTING UP.**

In order to start up the unit:

- Verify that the connected pipes are free of any foreign elements.
- Open the stopcock of the sanitary fixtures connected to the unit, and check that the flow drained does not exceed the maximum permitted flow for the unit.
- Check the connection of the electricity supply.
- Open the taps of the sanitary fixtures connected in order to check that the drainage is working correctly, bearing in mind that during the startup, the unit will not begin working until a minimum level of water is reached in the tank and a residual level of water will always remain inside the unit.

## **6. INSTRUCTIONS FOR END USERS.**

Once the lifting station is installed and connected to the electrical network, it does not require special maintenance under normal conditions of use.

Each time any of the sanitary fixtures connected to it is activated, the water coming from this fixture makes the unit function automatically and it stops when water is no longer entering, without any action by the user.

For the smooth running of the lifting station, only discharge wastewater into it, and prevent any foreign elements from entering it.

Preventative information.

- Do not put in solid foreign matter such as: sanitary towels, cotton wool, cotton buds, sponges, hair, food leftovers, lit cigarettes, other flammable materials, etc, since these can damage or block the lifting station.
- Do not pour in corrosive liquids such as: acid, solvent, oil, paint or paint stripper since these may affect the ability of the lifting station to work correctly.
- In these cases, the damage is not covered by the guarantee.
- If the device is used intensively, it can accumulate fats that make it necessary to clean the unit occasionally, therefore ensure that there is sufficient space to disassemble it.
- Do not use any of the sanitary fixtures connected to the unit if there is a power cut.
- The lifting station allows very hot water (this can be up to 60°C, for example washing machines on a

high-temperature washing programme) to be pumped for short periods of time. However, hot water cannot be drained for long periods of time.

- When you expect to be away, or if the unit is for use with installations that are only used occasionally, we recommend that you turn off the stopcocks feeding the connected sanitary fixtures to avoid the risk of leaks.
- In areas that are at risk of frost, it is recommended that the pipes be protected with thermal insulation, and that the whole system (drainage pipes and lifting station) be prepared by:
  - Turning off the stopcock feeding the sanitary fixtures.
  - Pouring special plumbing antifreeze into connected sanitary fixtures (wash-basins, bidets, etc.)
- The guarantee does not cover damage caused to the lifting station by freezing.



## 7. MAINTENANCE OPERATIONS.

The Jimten lifting station has been designed to be highly reliable and to provide years of operation. Below are listed the most common maintenance operations and there is a quick troubleshooting guide for problems that the user can easily fix.

### 7.1. CLEANING.

In order to clean the sanitary fixtures connected to the lifting station, we recommend the use of any quality cleaning product on the market, as long as it is not acid-based.

In areas that have very hard water, and with the aim of removing limescale deposits, it is recommended that a cleaning be carried out periodically following these steps:

Disconnect the lifting station from the electrical network.

Pour a mixture of 1 litre of vinegar and 3 of water (approximately) into any of the connected sanitary fixtures (washbasin, bidet, etc).

Let this act for a few hours.

Connect the lifting station again and activate it.

### 7.2. TROUBLESHOOTING GUIDE.

Before carrying out any action, check the following points:

Check that the taps of the connected sanitary fixtures or appliances are in good condition and do not leak.

Check that the lifting station is connected at the plug, and that there is a current. (Check that the RCD switch has not been tripped)

Check the lifting station's thermal protection (this incorporates an automatic disconnection system for excess temperatures). After approximately 20 minutes (this can vary depending on the room temperature conditions) the unit will reactivate automatically.

If the lifting station is activated for too long a time period, or if it starts up continuously, a check should be made to see that the connected fixtures are not leaking.

If water is returning to the macerator from the dischargee pipe through the non-return valve, check that the valve closes correctly (verify that the flapper sits correctly) and replace it or clean it if necessary (see page 12).

PROBLEM	REASON	SOLUTION
- The lifting station does not start	<ul style="list-style-type: none"> <li>- It is disconnected.</li> <li>- The electricity supply is not the correct one.</li> <li>- The electrical protection has been activated.</li> </ul>	<ul style="list-style-type: none"> <li>- Connect the appliance correctly.</li> <li>- Check the electrical connection.</li> <li>- Wait about 20 minutes until the motor cools.</li> </ul>
- The RCD switch trips	<ul style="list-style-type: none"> <li>- The motor's earth connection is defective.</li> </ul>	<ul style="list-style-type: none"> <li>- Motor is broken. Contact your local Reece store</li> </ul>
- The motor works but it does not discharge or it does so slowly.	<ul style="list-style-type: none"> <li>- Blockage in the discharge pipe</li> </ul>	<ul style="list-style-type: none"> <li>- Clean the discharge pipe</li> </ul>
- The motor buzzes but does not turn	<ul style="list-style-type: none"> <li>- Turbine blocked by foreign matter.</li> </ul>	<ul style="list-style-type: none"> <li>- Remove the foreign bodies (see 7.3 motor disassembly &amp; removal)</li> </ul>
- After draining, the motor starts up and stops indiscriminately.	<ul style="list-style-type: none"> <li>- Leak from the non-return valve, loss of water from one of the connected sanitary fixtures</li> </ul>	<ul style="list-style-type: none"> <li>- Clean the discharge pipe's non-return valve.</li> <li>- Check and replace the joints of the taps of the connected sanitary fixtures</li> </ul>
- The motor does not stop	<ul style="list-style-type: none"> <li>- Excess height or length of the drainage pipe.</li> <li>- Loss of power because of too many elbows.</li> <li>- Blockage in the discharge pipe.</li> <li>- Obstruction of the drainage pipes due to limescale.</li> <li>- Malfunction of the microswitch.</li> </ul>	<ul style="list-style-type: none"> <li>- Reconsider the drainage installation.</li> <li>- Reconsider the drainage installation.</li> <li>- Clean the discharge pipe.</li> <li>- Carry out the descaling process (cleaning 7.1)</li> <li>- Contact your local Reece store</li> </ul>
- The motor does not work with the water of one of the sanitary fixtures connected.	<ul style="list-style-type: none"> <li>- The auxiliary connections are obstructed or the non-return valve is blocked.</li> <li>- Lack of vent or gradient in the auxiliary connection.</li> <li>- Malfunction of the microswitch.</li> </ul>	<ul style="list-style-type: none"> <li>- Clean the auxiliary connection section of pipe.</li> <li>- Provide the installation with secondary ventilation, or install an AAV (Premi-Aire Air Vent). / Reconsider the installation.</li> <li>- Contact your local Reece store</li> </ul>
- After draining, the motor starts up repeatedly before stopping for good	<ul style="list-style-type: none"> <li>- Water returning to the lifting station. The non-return valve does not work properly</li> </ul>	<ul style="list-style-type: none"> <li>- Carry out a number of discharges with clean water and clean the non-return valve.</li> </ul>
- Water returns to the shower basin.	<ul style="list-style-type: none"> <li>- The minimum necessary gradient has not been allowed for in the drainage installation. (See shower basin height)</li> <li>- Malfunction of the auxiliary connection's non-return valves.</li> </ul>	<ul style="list-style-type: none"> <li>- Reconsider the installation (raising the height of the shower basin).</li> <li>- Cleaning and/or replacement of the side connection's non-return valve</li> </ul>
- Strange noise when the motor is working	<ul style="list-style-type: none"> <li>- Obstruction/blockage because foreign matter has fallen into the unit.</li> </ul>	<ul style="list-style-type: none"> <li>- Extract the matter from inside the unit. (See motor disassembly and removal 7.3)</li> </ul>
- Smells come from the lifting station	<ul style="list-style-type: none"> <li>- Wear of the active carbon filter.</li> </ul>	<ul style="list-style-type: none"> <li>- Replacement of the filter (Contact your local Reece store).</li> </ul>
- The shower basin does not drain well	<ul style="list-style-type: none"> <li>- Possible obstruction of the drain.</li> </ul>	<ul style="list-style-type: none"> <li>- Cleaning of the discharge piping.</li> </ul>

### 7.3. MOTOR DISASSEMBLY AND REMOVAL.

**Before opening the lifting station it is very important to check that the power cable has been disconnected from the power point.**

- Remove the protective cap from the cassette cover screw, remove the screw (A) Remove the cover of the Cassette. (E)

- To remove the power lead from the motor, unplug the spade connectors. Take note of the connections and ensure they are reconnected correctly following the maintenance.

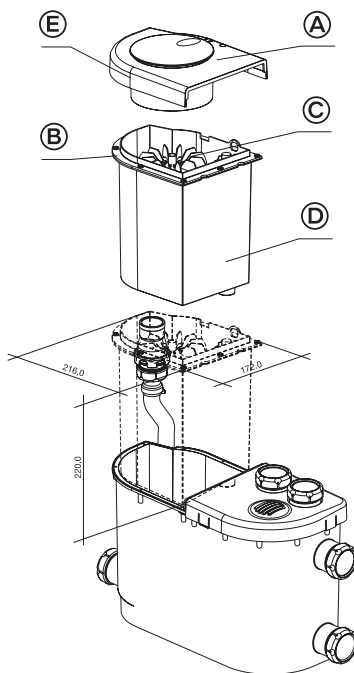
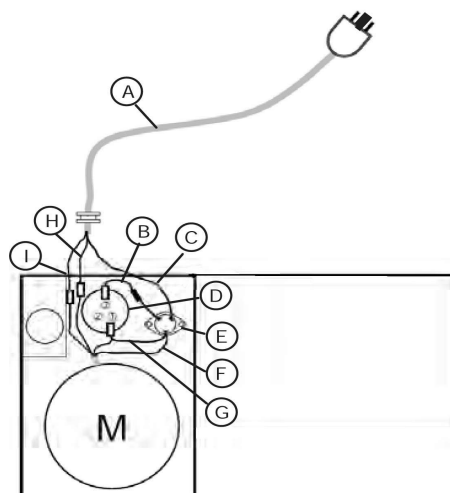
- To remove the cassette assembly (motor, pressure switch, rotor, pump, capacitor) remove the 7 screws bracing the main body. (B). Manually extract the whole cassette assembly, pulling the motor upwards. (C)

**Safety notice:** Pay attention to the motor, which after a period of use can be hot.

- Replace the cassette assembly with the spare (D) and assemble it again, following the steps in reverse order. (see electrical connections below), and replace the cassette cover. (E)

The whole process can be carried out in only 10 minutes.

DIAGRAM OF ELECTRICAL CONNECTIONS (motor – pressure switch – power cable).



Network cable (A) – Made up of Live (brown), Neutral (blue) and Earth (Yellow/Green).

Triac cable (B) – Live (brown) to connection 3 of pressure switch (D), spade female.

Network cable (C) Live (brown) to Triac (E).

Triac cable (F) – Live (brown) to motor.

Triac cable (G) – Live (brown) to connection 1 of pressure switch (D) and to motor.

Neutral (blue) (H) and Earth (Yellow/Green) (I) spade male connection.

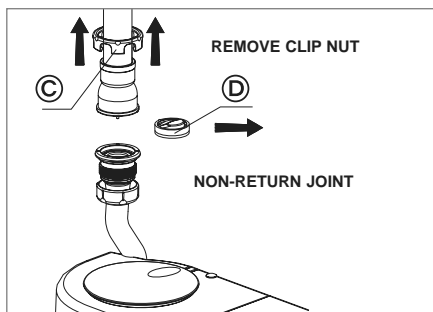
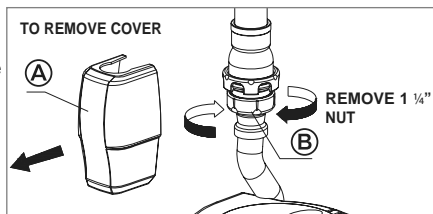
\* If power supply cable is damaged, it must be replaced by the manufacturer or a qualified technician to prevent any danger.

## 7.4. REPLACEMENT / CLEANING OF THE DISCHARGE NON-RETURN VALVE.

Before beginning the replacement / cleaning, carry out a number of discharge cycles and (if one has been installed) close the vertical discharge pipe's isolation valve and disconnect the unit from the electricity supply.

- Remove the cover (A) and the 1 ¼" nut (B).
- Loosen the clips of the discharge pipe brace in order to be able to move the tube and thus enable its disassembly.
- Prepare a container to collect the water, empty the discharge pipe, activating the flapper of the non-return valve.
- Remove the clip nut (C)
- Check or replace the seal holder + non-return joint (D) assembly.
- Follow the steps in reverse order to assemble the valve.

Carry out a number of discharge cycles of the unit before putting it back in service in order to eliminate the air from the discharge installation.



## 8. TECHNICAL SPECIFICATIONS.

### Inlets:

- Top: 2 1½" x 40 mm inlets for Ø40 mm \* smooth pipes
- Lower side: 2 1½" x 40 mm inlets for Ø40 mm \* smooth pipes with non-return valve
- Upper side: 1 1½" x 40 mm inlet for Ø40 mm \* smooth pipes with non-return valve.

\* Two 40 mm DWV adaptors are supplied.

\* One right angle 20 mm hose connection supplied.

### Outlet:

- Discharge: 25mm PVC Pressure Pipe.
- Non-return valve: 1¼" x 32 mm that can be dismantled with adaptor to 25mm Pressure Pipe.

### Pump:

- Voltage: ~220-240 V, AC, 50 Hz.
- Fuse: Thermal.
- Power: 0.39 kW.
- Capacitor: 10 µF
- Electrical connection: For a standardised Australian / New Zealand socket
- Maximum discharge height: 7 m
- Maximum horizontal discharge distance: 72 (refer table page 7 for height vs horizontal parameters)

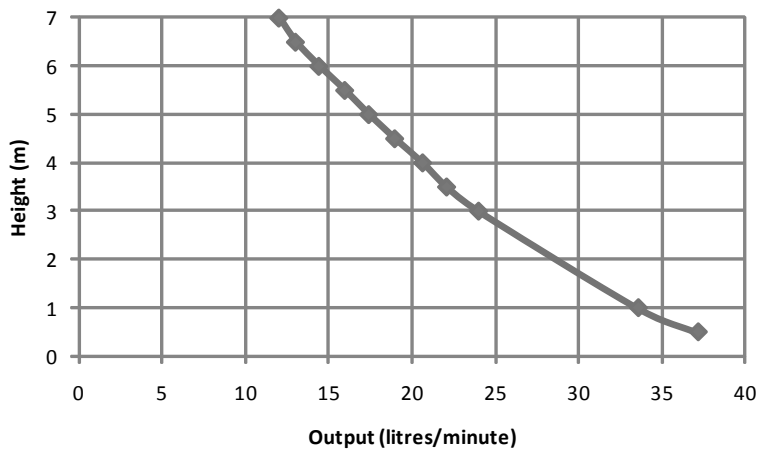
### Maximum Operating Pressure and Temperature

- Temperature: 60°C
- Pressure: 100Kpa

### Dimensions and weight:

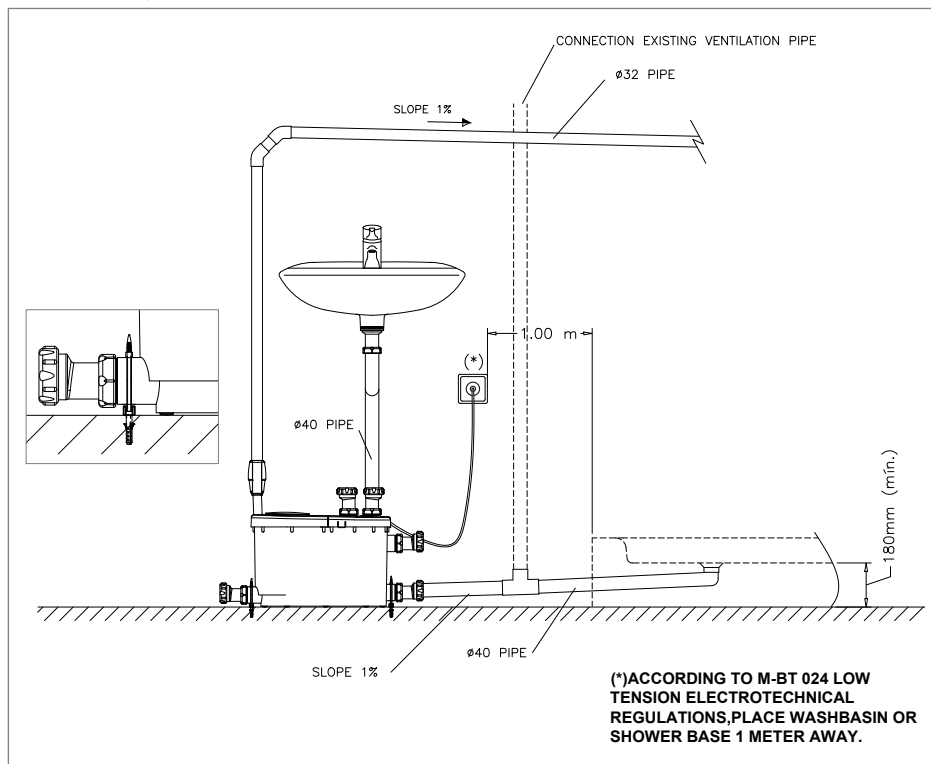
- 413 x 180 x 270.5 mm
- 7.6 Kg
- 8.9 Kg

## 8.1. HYDRAULIC CHARACTERISTICS



## 9. LAYOUT AND SECONDARY VENTILATION SYSTEM DIAGRAM.

CICLON LS, WASHBASIN.



A – CONNECTION TO EXISTING VENTILATION PIPE.

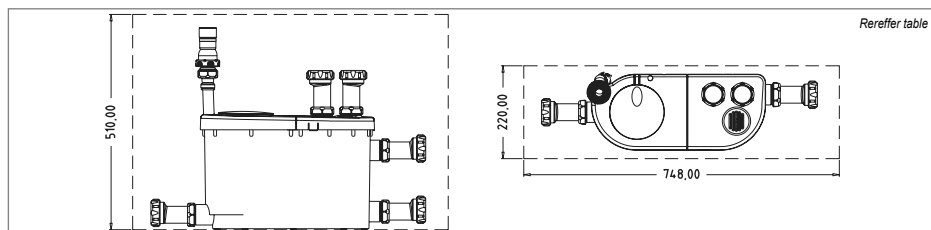
B – DISCHARGE PIPE 25MM PVC PRESSURE PIPE 1% (1:100) GRADIENT.

C – DRAINAGE INLET PIPE 2.5% (1:40) GRADIENT.

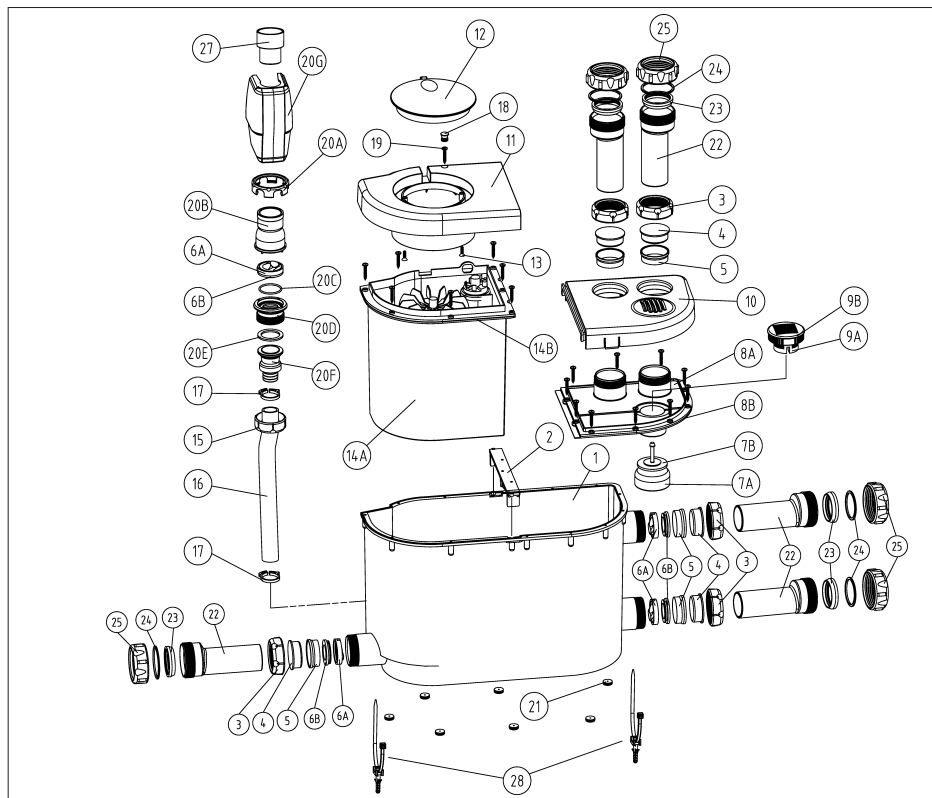
Ø 40 MM

D– LOCATION OF POWER SUPPLY MUST BE IN ACCORDANCE WITH AS/NZS 3000 AND MUST BE INSTALLED BY A LICENCED ELECTRICIAN

### RECOMMENDED FREE CLEARANCE FOR INSTALLATION AND MAINTENANCE



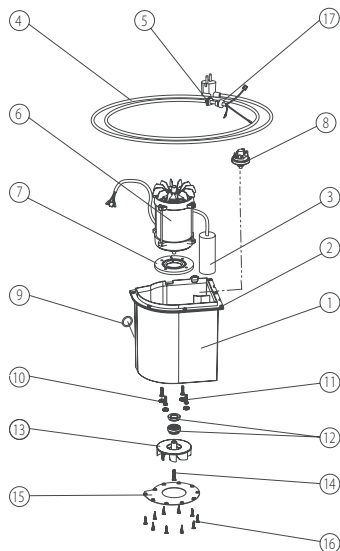
## 10. EXPLODED VIEW OF THE MACERATOR AND CASSETTE ASSEMBLY.



### MACERATOR ASSEMBLY

#### LIST OF MACERATOR PIECES.

- |       |                             |       |   |
|-------|-----------------------------|-------|---|
| (1)   | TANK BODY.                  | (15)  | 1½" NUT                                   |
| (2)   | BODY CROSSPIECE.            | (16)  | DISCHARGE TUBE                            |
| (3)   | 1½" NUT                     | (17)  | PLASTIC BRACE                             |
| (4)   | 1½" OBTURATOR CAP           | (18)  | SCREW HOUSING CAP                         |
| (5)   | 1½" BLUE JOINT              | (19)  | FIXING SCREW                              |
| (6A)  | NON-RETURN VALVE JOINT      | (20A) | NON-RETURN VALVE CLIP NUT                 |
| (6B)  | NON-RETURN VALVE SEAL.      | (20B) | NON-RETURN VALVE UPPER PART               |
| (7A)  | AERATION FLOAT              | (20C) | 31 X 2 O-RING                             |
| (7B)  | AERATION FLOAT JOINT        | (20D) | NON-RETURN VALVE LOWER PART               |
| (8A)  | TANK ENCLOSURE COVER        | (20E) | FLAT GASKET                               |
| (8B)  | BODY GASKET                 | (20F) | SLIDING NUT LINK                          |
| (9A)  | ACTIVE CARBON DEPOSIT       | (21)  | LOWER BODY STUBS                          |
| (9B)  | ACTIVE CARBON DEPOSIT COVER | (22)  | 40 DWV ECCENTRIC ADAPTOR                  |
| (10)  | DEPOSIT COVER               | (23)  | 40MM CONICAL RUBBER SEAL                  |
| (11)  | CASET COVER                 | (24)  | 40MM WASHER                               |
| (12)  | CIRCULAR COVER              | (25)  | 40MM COMPRESSION NUT                      |
| (13)  | CIRCULAR COVER FIXING SCREW | (26)  | 40 X 20 HOSE RIGHT ANGLE ADAPTOR          |
| (14A) | CASSETTE                    | (27)  | TUBE ADAPTOR Ø32 X 25NB PVC PRESSURE PIPE |
| (14B) | CASSETTE GASKET             | (28)  | ANCHORING PLASTIC CLAMP TO FLOOR          |

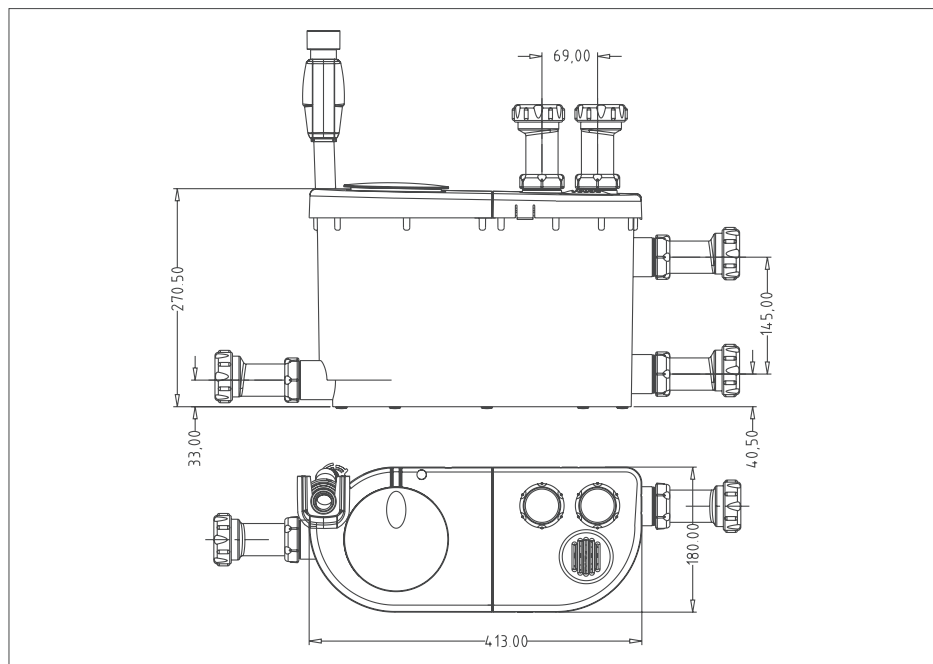


#### LIST OF CASSETTE PICES

- (1) DEPOSIT BODY
- (2) CASSETTE GASKET
- (3) CAPACITOR
- (4) THREE WIRE HOSE
- (5) BUSHING JOINT
- (6) MOTOR
- (7) MOTOR INSULATION DISK
- (8) PRESSURE SWITCH
- (9) 22 X 3 O-RING
- (10) MOTOR SCREW CAPS
- (11) MOTOR FIXING SCREWS
- (12) CERAMIC ENCLOSURE
- (13) ROTOR
- (14) ROTOR FIXING SCREW
- (15) CASSETTE ROTOR COVER.
- (16) MOTOR COVER SCREW
- (17) CABLE BUSHING

CASSETTE ASSEMBLY

## 11. BASIC INFORMATION.



## 12. COMPLIANCE DECLARATION

# EC CERTIFICATE OF CONFORMITY

THIS PRODUCT COMPLIES WITH:

**AS/NZS CISPR14:** ELECTROMAGNETIC COMPATIBILITY

**AS/NZS 60335.1** HOUSEHOLD AND SIMILAR ELECTRICAL  
APPLIANCES - GENERAL SAFETY REQUIREMENTS

**AS/NZS 60335.2.41:** HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES  
SAFETY PARTICULAR REQUIREMENTS FOR PUMPS

**WMTS-106:** SMALL BORE PUMPING UNITS

TESTED TO EUROPEAN STANDARDS:

**EN 12050-2:**

WASTE WATER LIFTING PLANTS FOR BUILDINGS AND SITES - PRINCIPLES  
OF CONSTRUCTION AND TESTING - **PART 2:** LIFTING PLANTS FOR FAECAL  
FREE WASTE WATER

**EN 12050-4:**

WASTE WATER LIFTING PLANTS FOR BUILDINGS AND SITES - PRINCIPLES  
OF CONSTRUCTION AND TESTING - **PART 4:** NON-RETURN VALVES FOR  
FAECAL FREE WASTE WATER AND WASTE WATER CONTAINING FAECAL  
MATTER



The Manufacturer

**Aliaxis Iberia, S.A.U.**

C/ del Yen, s/n - Pol. Las Atalayas  
03114 Alicante, España

## 13. WARRANTY

VALID SERIAL NUMBER STICKER MUST  
BE ATTACHED TO THIS MANUAL.

# WARRANTY & CARE DETAILS

Dear Customer,

This is the warranty by Reece Pty. Ltd. relating to your product. Please keep it together with your purchase receipt. In the event of a query please contact your nearest Reece Plumbing Centre.

### Warranty

You have purchased a quality product from Reece Australia. This product is covered by a 24 month parts & labour warranty. This warranty covers faults in the product construction, material and assembly. Faulty products will be repaired or exchanged free of charge. Faulty items become our property.

Please note that every product is subject to a stringent final inspection before it is delivered.

This warranty does not include faults caused by

- Unsuitable or improper use
- Incorrect installation
- Installation or part installation by the purchaser or any person other than a LICENSED PLUMBER
- Improper or negligent treatment
- Normal wear and tear
- Inadequate or complete lack of maintenance
- Unsuitable usage
- Chemical, electrochemical or electrical influences.

Warranty repairs may only be performed by our service representatives or an authorised customer service workshop.

Any attempt to repair the device by the customer or unauthorised third parties shall terminate the warranty.

Any warranty service granted by Reece will neither extend the period of the warranty nor will any new warranty period be justified for any parts repaired or replaced by us.

To the maximum extent permitted by law, Reece excludes all warranties other than those set out above. In the event of a warranty claim, we will replace or repair defective products, or pay for the cost of having defective products repaired or replaced, but will not be liable for any injury to any person, damage to any property, any indirect or consequential loss, or in any other respect.

### Disclaimer:

The manufacturer/distributor reserves the right to vary specifications or delete models from their range without prior notification. Dimensions and set-outs listed are correct at time of publication however the manufacturer distributor takes no responsibility for printing errors.



## Notes

