



User Manual

(Version 1.0)

User manual

Please read this manual carefully before using your new propelair® toilet.

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- 2 How does it work?
- 3 Using the propelair toilet
- 4 Cleaning the toilet
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1 Safety instructions

WARNING:

- **The electrical supply must be isolated before accessing any equipment.**
- **Work shall only be carried out by a competent person.**
- Depending upon the installation, this product is powered by either 24v DC or 240v AC. Always disconnect the power source before removing any covers.
- No electrical components are serviceable. Under no circumstances attempt to dismantle or otherwise tamper with such parts. Failure to do so will render the warranty void. Replacement parts are available from propelair® Ltd or your service engineer.
- If water leaks are evident do NOT use the product. Isolate the power and water supplies before attempting any troubleshooting.

2 How does it work?

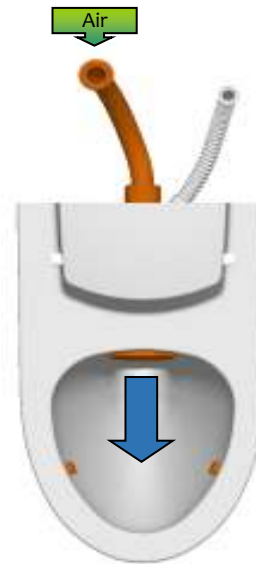
After pressing the flush button, a three-stage cycle commences:

(Lid & seat omitted for clarity)



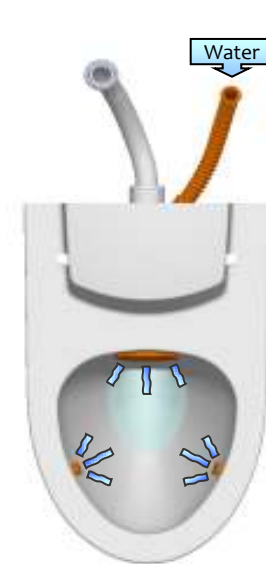
Stage 1

Water washes the pan



Stage 2

Air 'flushes' the water away



Stage 3

Water refills the pan

3 Using the Propelair® toilet

Using the propelair® toilet is simplicity itself.

The lid is fitted with a sensor to ensure the toilet will only flush when the latch is engaged.



Stage 1

Lift or close seat as required.



Stage 2

Lid must always be closed before flushing.



Stage 3

Latch to be fully engaged before flushing.



Stage 4

Press flush button.

4 Cleaning the toilet

WARNING: DO NOT USE ABRASIVE CLEANERS OR PADS ON THIS PRODUCT.

Smooth contours, rimless design and the side-hinges on the lid and seat result in flushes of unparalleled hygiene. Easy removal of the lid and seat make cleaning simple and effective.



Cleaning the pan:

Use a toilet cleaning product (liquid, cream or foam) with a soft cloth and toilet brush to clean the inside of the pan and around the side and rear nozzles – do not hit or dislodge the nozzles. Flush the toilet to rinse away the residue.

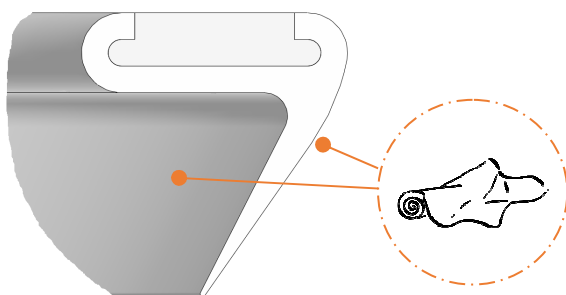
Use a disinfectant spray or wipes on the top surface of the pan and around the hinges. Wipe clean with a soft cloth or paper towel.

For a thorough clean, the lid and seat can be removed – **see page 8**. This allows easy cleaning of the hinge areas, which is hard to achieve on traditional toilets.



 Cleaning the seals:

Regularly clean seals inside and out.



Use a disinfectant spray or hot soapy water and a soft cloth to clean the seals and their housings within the lid and seat. Wipe clean and dry with a cloth or paper towel.

If the seals become 'tacky' after cleaning, dust them with talcum powder which will ensure they close correctly.





Cleaning the lid and seat:

Use a disinfectant spray or hot soapy water and a soft cloth to clean the seat and lid. Wipe clean and dry with a cloth or paper towel.

Alternatively, the lid and seat can be removed so you can thoroughly clean them individually. This is recommended when the hinge areas in particular need cleaning.



The propelair® toilet lid and seat are fitted with floating hinge pins for easy removal.

 Removing the lid & seat:



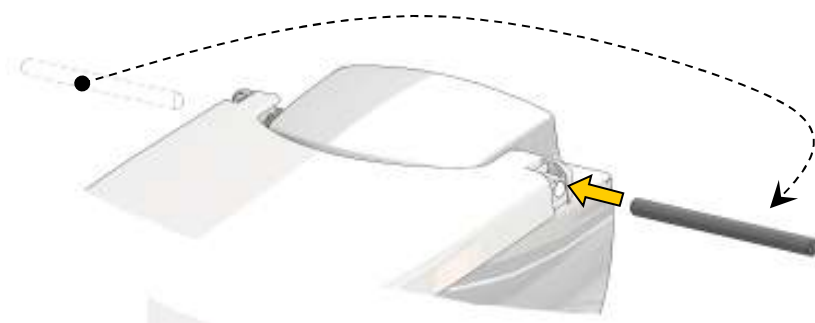
Step 1

Unclip hinge caps from the bottom and slide upwards to remove.



Step 2

Push one hinge pin inwards to expose the second pin. Remove this exposed pin...



Step 3

...and use it to push the remaining pin inwards to free the lid and seat.

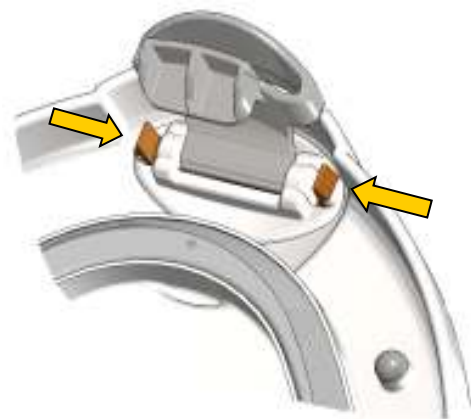


Step 4

Carefully remove lid and seat.

REFITTING IS A REVERSAL OF THESE PROCEDURES

 Removing the latch:



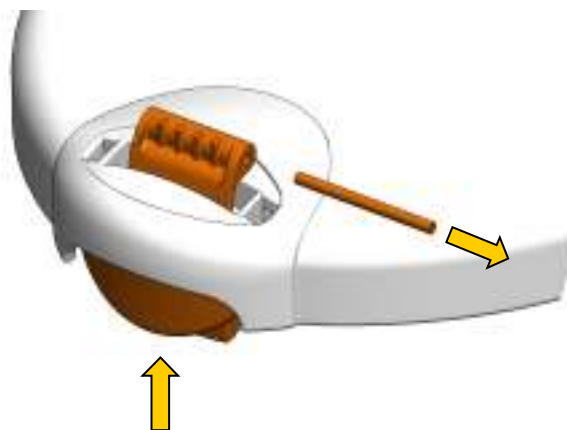
Step 1

Pinch locking tabs together and push downwards.



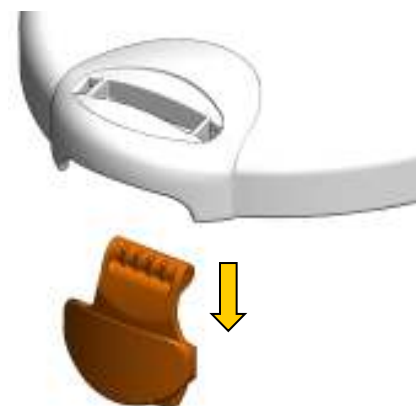
Step 2

Lift latch cap off



Step 3

Push latch upwards into lid and remove floating hinge pin



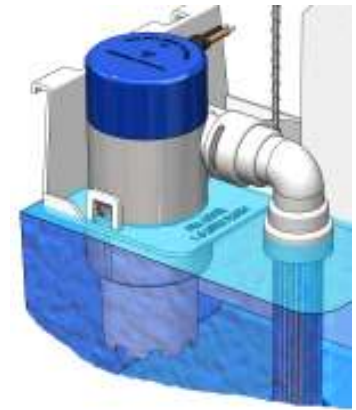
Step 4

Pull latch down to remove.

REFITTING IS A REVERSAL OF THESE PROCEDURES

5 Trouble shooting

- **No water present at cistern:**
 - Check that water supply is turned on.
 - Check that water supply pipe is connected to inlet valve.
 - Check there are no leaks.
- **Cistern does not fill:**
 - Check that water supply is present.
 - Ensure inlet valve works by depressing float.
 - Check inlet valve for damage or defect.
- **Cistern does not fill to correct level:**
 - Adjust inlet valve height until water just covers the fill level platform (see image) -----●
 - Check inlet valve to ensure no damage, defect or foreign body impedes float travel.
- **Flush button does not work:**
 - Check lid is closed and the latch is fully engaged.
 - Check that cistern water level is at its intended maximum.
 - Check battery condition & level of charge.
 - Check power supply.
 - Check button operation.
 - Check that pan is not blocked as toilet will not flush if pan is full of water.
 - Check no water exists in air manifold after flush or blockage.
- **No power present:**
 - Check power supply connections.
 - Check the isolators or RCD devices have not tripped out. If so, investigate cause and rectify.
 - Check battery condition. Recharge as necessary.
 - Check fuse in battery pack.



- **Water pump does not work but air pump operates:**
 - Check power supply at water pump connection. Power present means water pump is defective. No power means PCB is defective.
 - Check for signs of damage or defect.
 - In the event of a fault where the water trap does not refill after flushing, pour a bucket of water down the pan to restore the water trap and call for a service engineer.
- **Water pump operates but no water is circulated:**
 - Check all water connections within cistern.
 - Check water hose to pan is not kinked or fitted in such a way that a loop or water trap has been created.
 - Check cistern is filled to the correct level.
- **Water pump does not switch off:**
 - Check position of float on float level sensor in cistern and that it can slide freely (see image). -----●
 - Faulty PCB timing sequence. Contact propelair® Ltd for advice.
- **Water pump runs for 5 seconds or longer:**
 - Check connections to float sensor. Power present means sensor is defective. No power means PCB is defective.
 - Check float level sensor float is not jammed or impeded.
- **Water pump works but no water enters pan:**
 - Check cistern contains water.
 - Check that water hose/cuffs are connected.
 - Check that the water hose/cuffs are not leaking.
 - Check that no water is leaking onto floor from underneath the pan. Possible wash-down hose disconnected.
 - Check that no debris is blocking the filter mesh on the water pump inlet.
 - Check there are no blockages within the water pipes.
 - Check that the water pipe is not split, kinked or crushed.
 - Check that the side & rear wash-down nozzles are not blocked.
 - Remove top water hose connector and ensure check-valve cone is free to slide up & down.
 - Check that outlet from water pump & downpipe are not damaged.
 - Check water hose to pan is not kinked or fitted in such a way that a loop or water trap has been created.
- **Air pump does not work but water pump operates:**
 - Check power supply at air pump connection. Power present means motor is defective. No power means PCB is defective.
 - Check for signs of damage or defect.



- **Air pump works but no air enters pan:**

- Check that the air hose is not split, kinked or crushed.
- Check that the air hose/cuffs are connected.
- Check air pump for excessive or unusual noise.
- Check that the air pump motor revolves freely by rotating the drive shaft manually with pliers or similar after removing motor (see image). -----●
- Check that the motor shaft drive pin is intact.
- Check that the motor positive and negative connections are not reversed causing pump to run backwards.
- Check that air pump rotors revolve by removing the motor and rotating the metal drive shaft manually with pliers or similar. Slight resistance will be felt, this is normal (see image). -----●



- **Water pump works but spray does not clean:**

- Check that water is exiting side & rear nozzles.
- Check water pressure/volume from nozzles.
- Check that no debris is blocking nozzles.
- Check that outlet from water pump & downpipe are not damaged.
- Check that nozzles spray equal amounts of water.
- Check that the motor positive and negative connections are not reversed causing pump to run backwards.

- **Air pump works but pan not cleared:**

- Check that air pump runs and delivers air.
- Check lid & seat seals are intact and in position.
- Check that the air hose is not split, kinked or crushed.
- Check that the lid & seat are secure.
- Check that lid latch is intact, swings freely and engages under pan lip.
- Check that the lid & seat are closed and secured when flushing.
- Check that pan is not blocked.



- **Pan trap is not replenished:**
 - Check water is present in cistern.
 - Check that outlet from water pump & downpipe are not damaged.
 - Check that breather tube in cistern is secure and not kinked or crushed.
 - Check that all water connections within cistern are tight, without leak or causing air to enter downpipe or 90° elbow from water pump.
 - Pour a bucket of water down the pan to replenish the water trap.
- **Wash-down sprays over top of bowl:**
 - Check orientation of side nozzles, must be horizontal.
 - Check that no debris or foreign object is obstructing nozzle outlets.
 - Check water pressure from nozzles.
 - Check that nozzles spray equal amounts of water.
- **Pan is blocked:**
 - Check operation of water pump & air pump.
 - Physically clear blockage before re-flushing by using a small toilet brush or wire hook to loosen matter.
- **Pan overflows:**
 - Check that toilet does not flush at full pan blockage. If it does then check that sensor in rear of pan is intact and functioning correctly.
 - Remove blockage to drain the pan. Allow pan rear nozzle/manifold to dry out.
 - Check existing soil/waste pipes for blockages.
- **Cistern overflows:**
 - Check that inlet valve is intact and operating correctly.
 - Check that neither pan nor hoses are blocked.
- **Lid lifts up when flushed:**
 - Check that front latch is intact and free from damage.
 - Check that rear hinge caps and pins are present and secure.
- **Cistern does not refill after flush:**
 - Check that inlet valve operates and float is not misaligned or impeded.
 - Check that water supply is present.



- **No subsequent/follow-on flushes:**
 - Check no water remains in rear wash-down manifold.
 - Check that bobbin on float sensor has risen with water level.
 - Check power supply.
 - Check operation of flush button.
 - Check connections on PCB.
 - Check that pan is not blocked.
- **Lid/seat rattle during flush:**
 - Check that rear hinge caps and pins are present and secure.
 - Check that lid & seat are not loose or have excess movement in hinges.
 - Check that lid & seat seals are intact and in contact with pan/seat.
- **Excessive noise from cistern during flush/refill:**
 - Check that internal components are in place and secure.
 - Check operation of water pump.
- **Excessive noise from air pump during flush:**
 - Check that external pump components are in place and secure.
 - Check that the upper and lower rubber anti-vibration mounts are intact and secure.
 - Check that the motor drive pin is intact and rotates the pump rotors.
 - Check for excessive noise from interior of pump.

If you require further assistance or guidance, please contact propelair® Ltd on 01268 548322

6 Disposal / recycling



Batteries: Do not dispose of used batteries in the household rubbish. Check with your local authority for advice on recycling and recycle where facilities exist.



Device: At the end of its life, this appliance must not be disposed of with household rubbish. Check with your local authority for advice on recycling and recycle where facilities exist.



Packing: All packaging and packaging materials that are no longer required can and should be recycled.

7 Customer care & warranty



CUSTOMER CARE

If you have a question about your new propelair® toilet, please call our Customer Care helpline or contact us via the propelair® website.

To help us with your query, please quote the product serial number. This can be found on the product label inside the cistern.

01268 548322

www.propelair.com



PRODUCT REGISTRATION

To help us ensure that you receive a fast service and response, please register your product. There are two ways of doing this:

- By calling the Customer Care helpline.
- By completing the attached form and returning it to us by post, fax or scanned file.





LIMITED 2 YEAR GUARANTEE

TERMS & CONDITIONS OF THE 2 YEAR WARRANTY

WHAT IS COVERED?

- The repair or replacement of your propelair® toilet (at propelair® Ltd discretion) if it is found to be defective as a result of faulty materials, workmanship or performance within 2 years of purchase. Any part that is no longer available or manufactured will be replaced by an equivalent in both fit and function.

WHAT IS NOT COVERED?

- The repair or replacement of a product or component as a result of normal wear & tear (e.g., seals, batteries etc).
- Accidental damage or faults arising from careless, negligent or inappropriate use, misuse or handling (which are not accordance with the Installation Manual or User Manual).
- Blockages. Please refer to the User Manual for advice on how to clear blockages.
- Use of the propelair® toilet for anything other than its intended purpose.
- Failures in performance, operation or function as a result of using components that are not propelair® Ltd genuine parts.
- Use of parts not assembled or installed in accordance with the Installation Manual.
- Faulty installation except where installed by propelair® Ltd or our approved contractors.
- Repairs or alterations to the product carried out by persons other than propelair® Ltd or our approved contractors.
- PLEASE CONTACT OUR HELPLINE IF YOU HAVE ANY DOUBT AS TO WHAT IS COVERED BY THE 2 YEAR GUARANTEE

SUMMARY

- The guarantee commences at the date of purchase.
- Proof of purchase/delivery must be provided before any claim or work can be undertaken. Without this proof, any work performed will be chargeable. Please retain any receipts or delivery notes.
- All work will be carried out by propelair® or our approved contractors.
- All replaced parts become the property of propelair® Ltd.
- Any repairs or replacement parts supplied during the period of guarantee will not extend the guarantee period.
- This guarantee does not affect your consumer statutory rights.



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air powered

The future is Propelair®

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PRODUCT REGISTRATION FORM

Date of purchase

/ /

Serial number

Title

Company (if applicable)

First name

Surname

Address

Postcode

Email

Telephone

Fax

