

**propelair**<sup>®</sup>  
One · Three · Five

# The commercial toilet of choice

Successfully integrating technology into existing infrastructure, to reduce water consumption and cost, through sustainable washroom innovations.



Uses up to **85%** less water



Reduces carbon by **80%** on average



Removes up to **99.9%** of contaminants



Helps to support **sustainability goals**

Our technology **saves millions of litres of water**, and its cost, per annum by replacing 7.65 litres of water with 70 litres of air.

The reduction in water and wastewater processing leads to a decreased carbon footprint.

Triple hygiene protection: closed-to-flush technology, **anti-microbial Biomaster latch**, powerful single flush that eliminates 99.9% of contaminants.

Propelair technology aligns **resource management** and reporting of **ESG goals**, with minimal effort, creating a more **sustainable future**.



### Financial:

Propelair offers **immediate and permanent savings** with a payback period of **1-2 years**, reducing water bills by **over 60%**.



### Asset tracking:

Propelair features real-time **call logging**, **maintenance scheduling**, optimized **resource allocation**, an **asset history log**, instant **alerts**, and customizable **reporting**.



### IoT connectivity:

Propelair provides **feedback** to service engineers through **data transmission**, offers real-time **maintenance diagnostic alerts**, streamlines **maintenance**, and **reduces downtime**. It is available for both **new installations** and **retrofits**.



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# Technical Specifications

## Electrical

| Component           | Specification     |
|---------------------|-------------------|
| Air Pump            | 220-240V AC input |
| Inlet Solenoid      | 24V DC            |
| Actuated Gate Valve | 24V DC            |

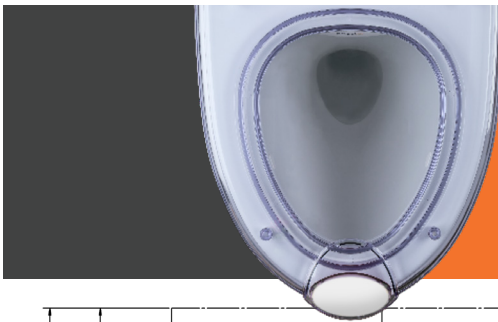
## Performance

| Parameter      | Specification |
|----------------|---------------|
| Water Flush    | 1.35 litres   |
| Air Flush      | 70 litres     |
| Refill Time    | 13 seconds    |
| Flush Duration | 26 seconds    |
| Energy Usage   | 0.33 Wh/flush |
| Flush Noise    | 79 dB         |



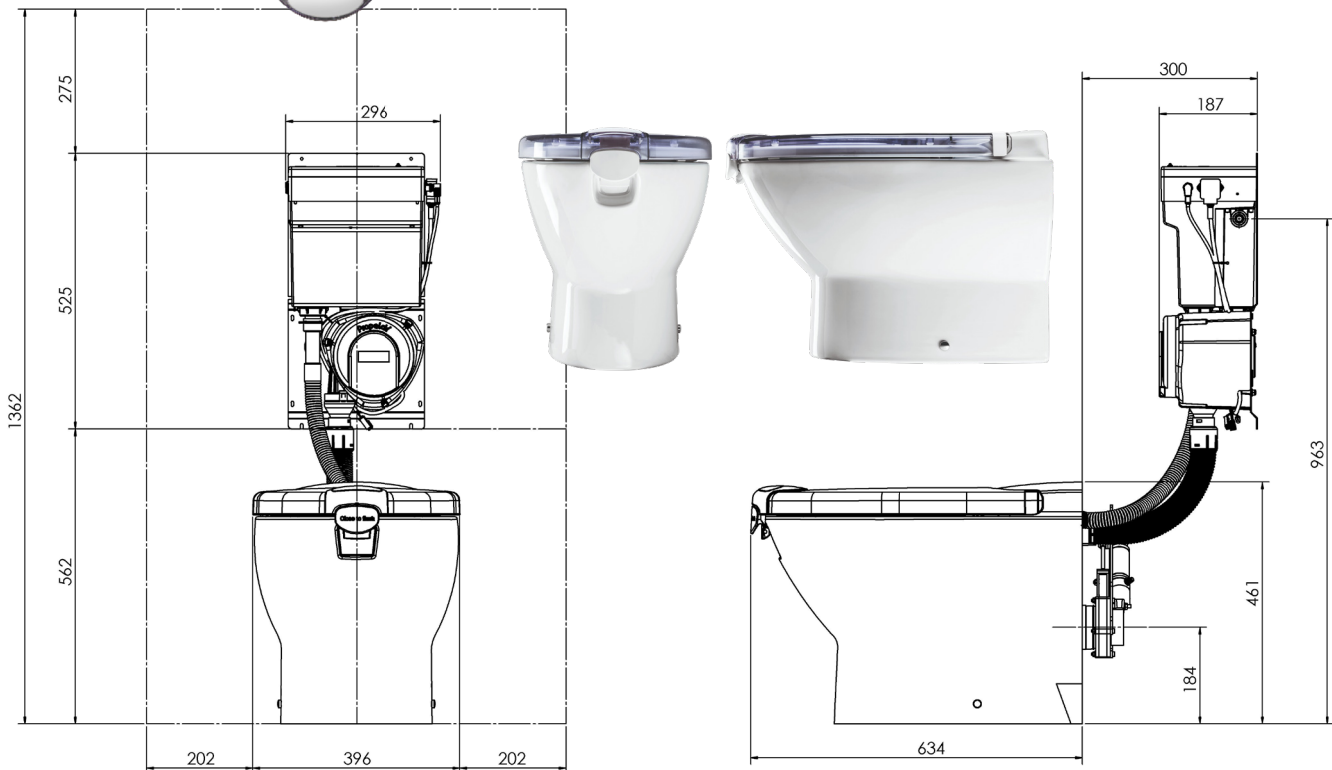
## Water

| Component      | Specification   |
|----------------|---|
| Inlet Valve    | 15mm JG Speedfit  |
| Water Pressure | 0.1 - 10 bar (Must be restricted to 1.5 bar. 6L/min restrictor pre-installed) |



**Propelair fits onto existing drainage systems**

A 24V battery back-up option is available for electricity stressed regions



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