



Reinventing the toilet

Despite the vital role it plays in effective sanitation, the toilet has not fundamentally changed since the late 1800s. With UK toilets averaging 9 litres per flush and accounting for up to 90% of water used in commercial buildings, it is easy to see why reduced flush toilets have attracted significant interest. Traditional toilets are based on technologies which have become relatively inefficient, unreliable and unhygienic.

Recognising the need for an alternative solution which uses less water and performs better inspired the development of Propelair®. Using patented displaced air POWA™ technology, Propelair® produces a powerful, high-performance flush whilst reducing water usage by 84%.

As well as offering better performance, Propelair® is easy to install, maintenance free and has been designed to fit to existing drainage systems to EN12056.

How it works

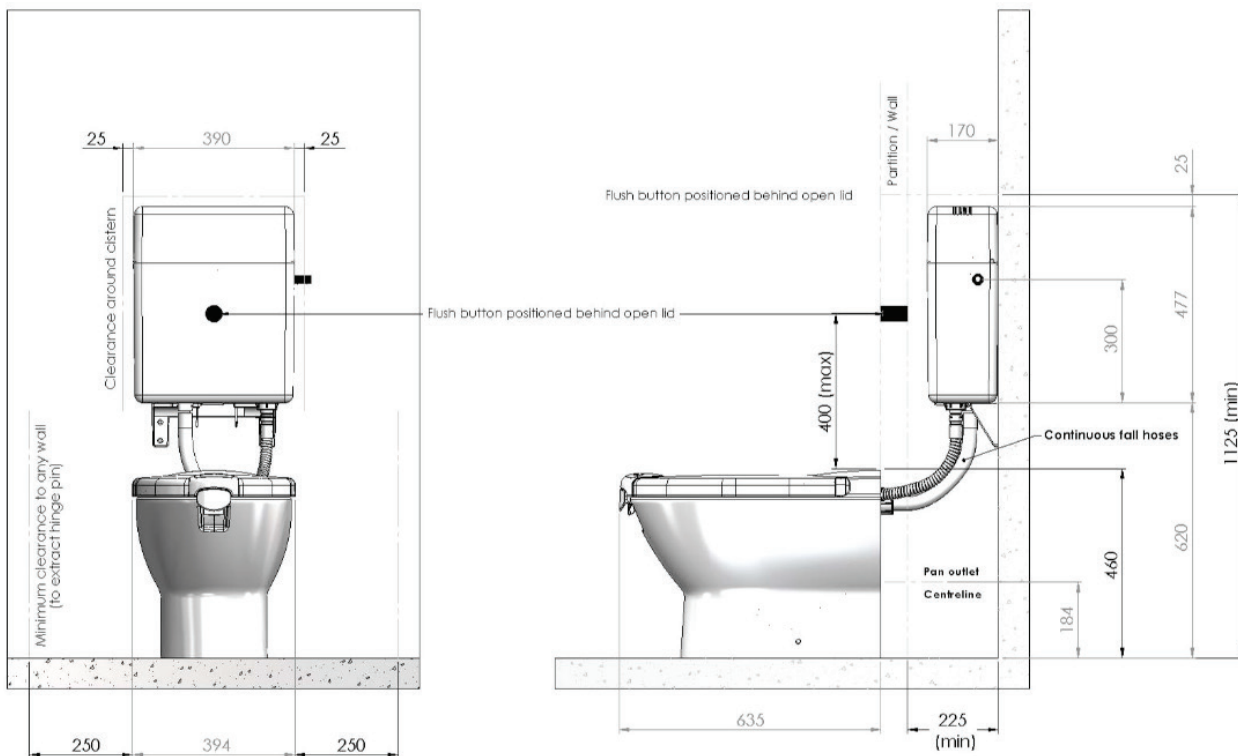


- 1 Propelair® has a two-section cistern; one for air and one for water.
- 2 Before flushing, the lid is closed to form a seal.
- 3 When the flush button is pressed water enters the pan to wash it, followed by air from the unique patented pump. The air cannot escape due to the sealed lid. This pushes out the entire contents of the pan to give a powerful, reliable flush.
- 4 The remaining water refills the water trap.
- 5 The flush is completed in 3 seconds with the toilet ready to be re-flushed in around 20 seconds (subject to water supply pressure).

Configuration:

- Pan: Floor mounted, back-to-wall
- Cistern: Concealed
- Flush button: Remote through-panel mounted

Dimensions:

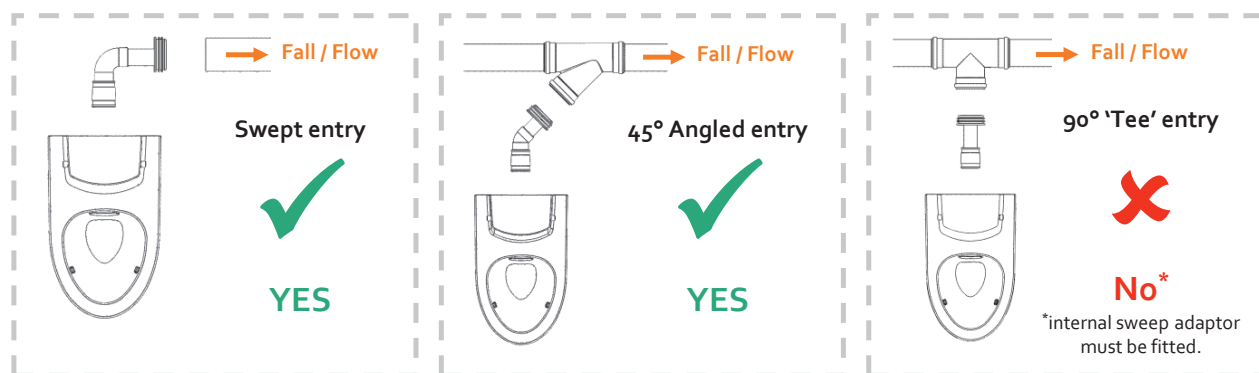


Power requirements:

Power supply	Voltage	24v DC system (external charger)	24v DC system (Integral charger)	230v AC system
	Rated output	24v DC	230v 50Hz*	230v 50Hz*
	Rated current	600W	8-9W	850W
	Protection	25A	85mA	3.7A
		40A fuse	3A fuse	10A fuse

* A mains isolator switch and R.C.D. must be installed on 230v 50Hz mains supply.

Drainage guidelines:



Overflow (Fluid category 5 compliant):

- Primary overflow: Internal warning pipe to pan.
- Secondary overflow: External weir via 32mm waste connector to a suitable drain port.

Water supply:

- Inlet valve: Side entry equilibrium float valve - 1/2" BSP Male thread.
- Water pressure: 0.1 - 20 bar.
For pressure < 4 bar, a low-pressure (LP) flow restrictor shall be fitted (supplied).
For pressure > 4 bar, a high-pressure (HP) flow restrictor shall be fitted (supplied).

What's in the box?

- Pan complete with plug & play connectors.
- Lid & Seat assembly.
- Concealed cistern complete with water fittings, POWA™ air pump, and connection hoses.
- Power pack including POWA™ motor, water pump, control module, flush button, connectors.

Warranty:

- 24 months

Optional extras (not supplied with product):

- Pan floor fixing kit.
- Drainage connector.
- 24v battery pack.
- Battery charger for 24v DC (external) system



www.propelair.com

Call +44 (0)1268 548322 | enquiries@propelair.com

Propelair® Ltd, Unit 1 West Point, 11 Durham Road, Basildon, Essex. SS15 6PH

