EXPELLA ODOUR CONTROL - O.C. KIT
INSTALLATION INSTRUCTIONS

ODOUR CONTROL SYSTEM

The Expella Odour Control System couples directly to the rear of the toilet and gently draws air from the toilet pan via the flushing rim.

The system extract oudours before they disperse across the whole bathroom and in some cases adjoining rooms

BEFORE YOU START

The Expella system is designed to attach the rear of your toilet cistern to draw air from the toilet bowl through the overflow pipe in your cistern to the outside atmosphere.

As such a hole is required on the back of the toilet cistern. Some toilet suites are manufactured with a suitable hole which can accept the Expella system. Expella systems are also compatible with in-wall concealed cisterns.

If your cistern does not have a hole or opening, please contact Expella Pty Ltd to arrange drilling of the cistern by an experience tradesman.

If you are connecting to an existing toilet, remember to turn off the water supply, then empty the water from the cistern (by flushing several times) prior to removing cistern from the wall.

NOTE: Expella Systems are not compatible with Pozzie Genori toilet suites.

KIT CONTENTS:

› 1 x Expella Mini-Box (12V) in-line extractor fan
› 1 x Expella PIR Motion Sensor
› 1 x 12 Volt Power adaptor
› 1 x 200mm length of 40mm dia. flex
› 1 x 40mm junction (joiner)
› 1 x External Wall Grille
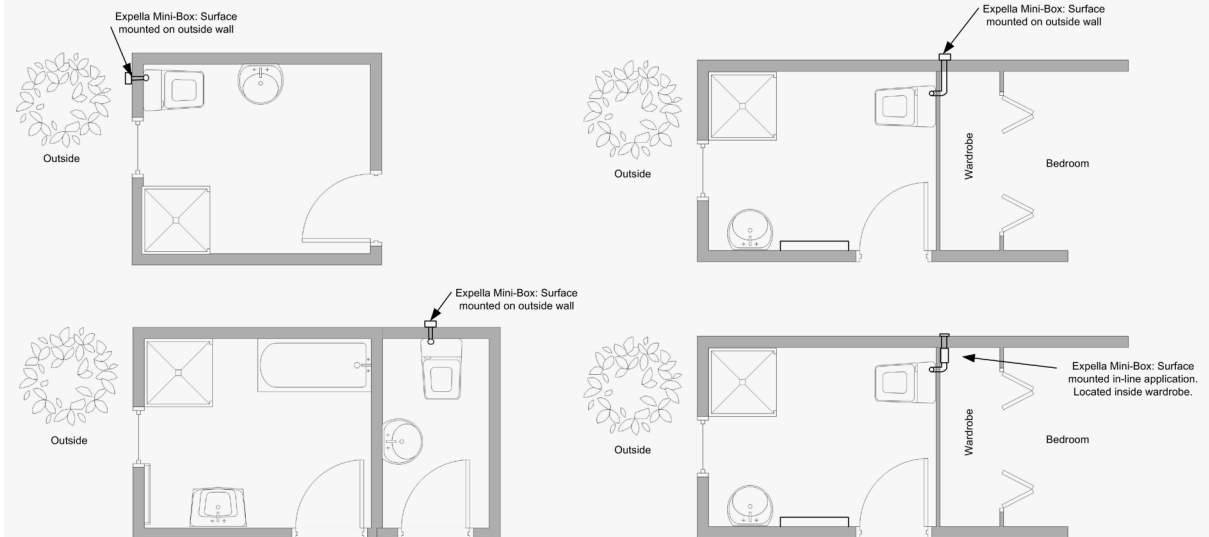› 1 x 40mm - 50mm reducer
› 1 x Expella Non-return Valve

YOU WILL NEED TO SUPPLY:

› 40mm PVC Pipe & bends (as required)
› PVC Glue & duct tape
› Pipe brackets and fixings

Make sure your electrician has provided a GPO (power source) at the proposed location of fan unit and provided the appropriate switching. There are three different switching options available:

› Connection to the light switch
› Installation of a separate fan switch
› PIR (Motion) Sensor switch

TYPICAL BATHROOM LAYOUTS

Expella Mini-Box: Surface mounted on outside wall

Outside

Expella Mini-Box: Surface mounted on outside wall

Wardrobe

Bedroom

Outside

Expella Mini-Box: Surface mounted on outside wall

Outside

Expella Mini-Box: Surface mounted in-line application. Located inside wardrobe.
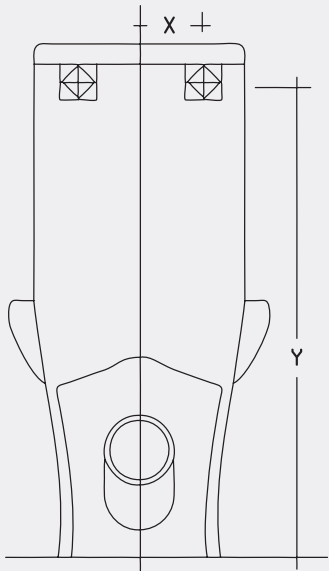
Wardrobe

Bedroom

Outside

Note: The above layouts are not to scale and reflect typical bathroom configurations.
Whilst every bathroom is different, the above layouts illustrate the flexibility of the Expella O+S Kit.

Figure 1

X = 65mm - 70mm depending on toilet make.

Y = 700mm - 740mm depending on toilet make.
Consider Bedding underneath toilet for final height

Figure 2

SET OUT

01/ Check toilet dimensions and mark out the centre of the Cistern's rear hole for connection to Expella on the wall. (Refer Fig. 2)

02/ Fan Placement and location: The Expella Mini-Box fan can be mounted in the following locations:

- Inside Ceiling space
- Sub-floor
- In-line surface mounted or External Wall mounted

03/ Ensure your electrician has provided GPO near location of Fan unit.

04/ Nominate suitable location of the Expella PIR Motion Sensor near the toilet. The sensor eye must be visible.

Remember: If you can't see the sensor – it won't see you and hence it will not activate the fan.

INSTALLATION

05/ Fix Expella Mini Box in proposed location ensuring the power inlet is facing the direction of discharge.

06/ Fix PIR Motion sensor and connect to the fan unit. You may need to increase length of 12V wire if needed.

07/ Connect 12V Power adapter to existing GPO and run power lead to the PIR Motion Sensor.

08/ Run 40mm PVC from discharge point (outside) to Expella Mini-Box Fan

09/ Continue pipe to location of cistern's rear hole. Pipe may need to be chased into masonry wall, or a 45mm core hole will be required to access to rear of the cistern from the outside.

10/ Connect 40mm flex joiner to 40mm PVC and then connect 40mm flex (Black pipe) to joiner. This allows small degree of flexibility to cover tolerances in finished floor heights etc.

11/ Attach 50mm External grille at discharge point (using the 40-50mm reducer).

12/ Install toilet cistern. Feed 40mm flex through rear hole of toilet then trim excess flex.

13/ Fix Expella non-return valve to 40mm flex inside the toilet cistern. Rotate the valve to ensure the Cistern lid sits fluch on toilet cistern.

14/ Ensure cistern lid is sitting properly on cistern and that there are no gaps between the cistern and the lid.

15/ Note: Once toilet has been installed – seal any gaps with a suitable filler as the gaps may affect the performance of the system. Expella recommend running petroleum jelly or a standard door/ widow adhesive weather strip around the lid of the toilet cistern and around the entry point at the rear of the cistern.
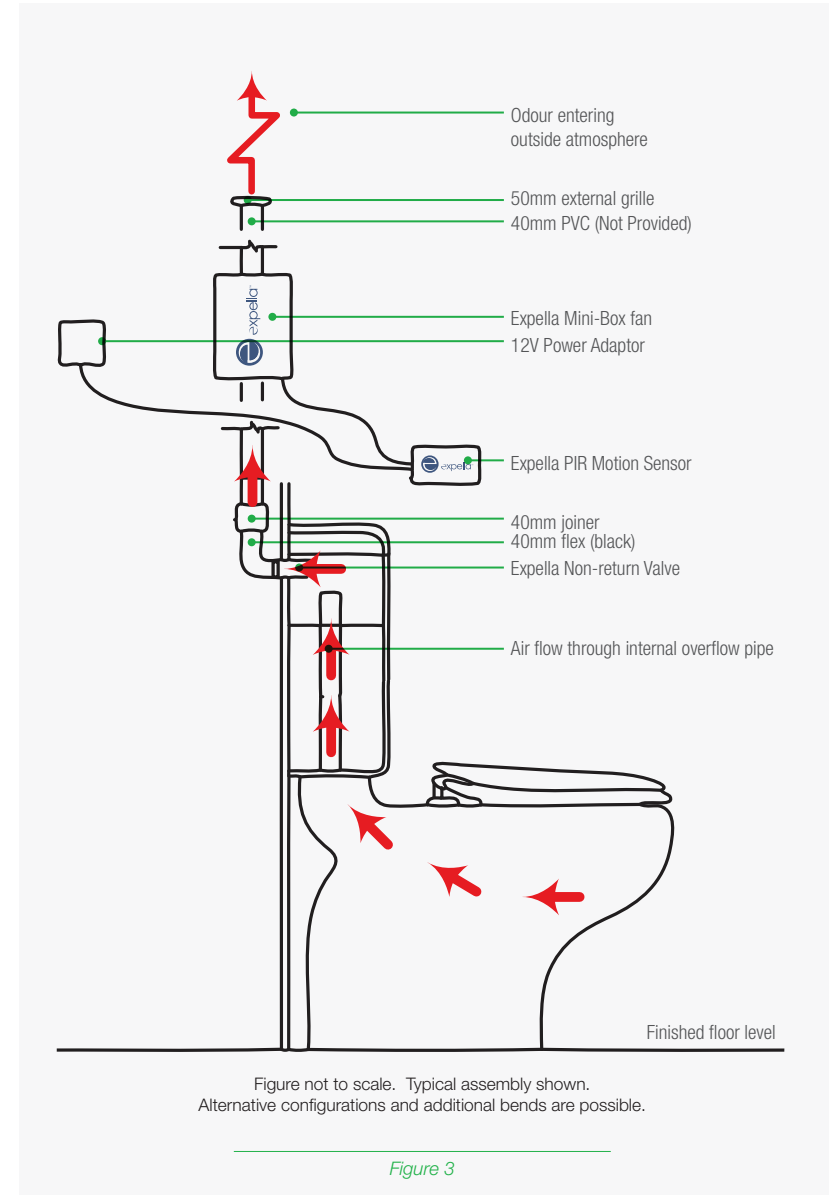

Odour entering outside atmosphere

50mm external grille
40mm PVC (Not Provided)

Expella Mini-Box fan
12V Power Adaptor

Expella PIR Motion Sensor

40mm joiner
40mm flex (black)
Expella Non-return Valve

Air flow through internal overflow pipe

Finished floor level

Figure not to scale. Typical assembly shown.
Alternative configurations and additional bends are possible.

Figure 3