

# TOILETS

## Some Quick Points:

- The width required for toilet installation is 600mm (person width) and 100mm on either side.
- The toilet projection depth of a closed coupled model is usually 700mm. This is reduced with a wall hung or back to wall pan.
- Most people experience problems with unbranded or poor flush mechanisms.
- Pans come rimless, with open flanges flush from the rear or with holes around the pan to feed water.
- Seats can be removed easily for cleaning with branded products.
- The option of odour extraction is now a possibility on wall hung frames.
- All toilets will have a bidet model available to match the pan.

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## Toilet Function:

The typical toilet is a ceramic bowl (pan) connected on the "up" side to a cistern (water tank) that enables rapid filling with water. The pan then removes the effluent. The soiled water in the toilet bowl is connected to a pipe shaped like an upside-down U. One side of the U channel is arranged as a soil pipe which is longer than the water in the bowl is high. The soil pipe connects to the soil drain. The bottom of the drain pipe limits the height of the water in the bowl before it flows down the drain. The water in the bowl acts as a barrier to gases. The flush mechanism will generally have two buttons, one for urination and the other for defecation.

## Toilet Types

### **Closed coupled toilet.**

This toilet comprises of a cistern that sits directly on top of the pan, which is fitted to the floor and allows the soil pipe to turn left and right. It appears as one complete unit. The pipes connecting the cistern to the bowl are concealed within the toilet, giving it a sleek finish. TileStyle have an extensive range of close-coupled pans, ranging from streamlined contemporary toilets to traditional period detail.

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### **Back to wall pan toilet.**

This toilet is designed to maximise space within the bathroom and present a minimalist finish. The pan is freestanding with a concealed cistern. Back to wall toilet pans are placed against a toilet furniture unit or bathroom wall, with the purpose of shrouding the cistern and piping to conceal them from view. Once the cistern is concealed in the wall it increases the space in the room.





## Closed coupled toilet with full back to wall pan.

With this toilet, the soil pipe cannot be seen once installed.



## Low/medium/high level toilets.

Here the pan is floor standing and an exposed pipe connects to the cistern. These are traditional toilets whereby the cistern is separated from the pan by an exposed pipe which can be made of chrome, gold or polished nickel. The cistern is activated by a handle or pull chain flush mechanism. Urea is an acid and can tarnish these exposed pipes over time.

## Wall hung toilet.

In this modern design the pan is mounted on the wall and a hidden cistern frame supports it. The cistern is concealed in the wall and activated through a flush plate. This is probably the largest growing market for the consumer as it adds space to the room both through a floating pan and a concealed cistern. The cistern frames that support the pan can be available in a standard 120cm size and in a reduced height for under windows. They require a minimum wall depth of 150mm.



## Electronic toilet.

Here a bidet function is included with electronic controls. These toilets are commonly known as Japanese toilets, washlets or smart toilets. This toilet will be discussed in detail on an upcoming document.

## Focusing on the environment.

The environment will become an even bigger part of selling bathroom products in the future. Natural resources are scarce and the majority of the population is not aware of how they are wasted on a daily basis. According to data from the Spanish National Institute of Statistics in 2016, the average water consumption in homes was 136 litres, of which only 1.26 litres was drinking water.

In toilets, the use of drinking water is frequent, but it is not always necessary to flush the same amount of water. Eco double flush mechanisms can achieve water savings of up to 56%. You can now select between a small flush of 4.5 litres, a smaller flush of 3 litres or a full flush of 6 litres.

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## Frequently asked questions.

**Q** Why is water running from the cistern into the pan?

**A** Installation is not completed correctly.

**Q** How much weight will a wall hung toilet take?

**A** 400 kg.

**Q** How do you fix parts on a wall hung concealed cistern?

**A** All the internal parts can be replaced through the flush plate.

**Q** What is the recommended comfort height?

**A** 450mm to top of the seat.

**Q** How do you tighten seats?

**A** Please refer to manufacturer's instructions.

**Q** Are seats interchangeable?

**A** Generally with quality branded products the seat is bespoke.

Please email Tony Murphy our Bathroom Sales Manager with any further questions you may have and he will get back to you as soon as possible. [tony@tilestyle.ie](mailto:tony@tilestyle.ie)

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## Some interesting videos

[Fixing a closed coupled cistern](#)

[Installation of concealed cistern](#)

[Installation of a wall hung toilet](#)

[Adjustment of rods in a dual flush button](#)

[Replacement of seat hinges](#)