

World
Plumbing
Day Mar.11

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INTERESTING PLUMBING INVENTIONS



Backflow Valves

Backflow happens when your water stops flowing the correct way and instead goes backwards. It is dangerous because used water, water from the toilet, or water from the garden can potentially enter the drinking water supply. The invention of backflow valves ensures that the dirty water only flows one way and our drinking water remains safe.



The Plumbing 'Trap'

The trap is the U, S or J-shaped part of pipe found below or within a plumbing fixture, such as under your kitchen sink. The bent pipe shape was invented to retain a small amount of liquid, at the bottom of the bend, every time the fixture is used. This liquid that is left is called a trap seal. The trap seal prevents sewage system odors, gases and vermin from entering the home or building.



Dual Flush Toilet

The dual flush toilet was invented by Bruce Thompson in 1980, during an Australian drought, to try and save water. Dual flush toilets now use as little as 3 litres of water on half flush and 4.5 litres on full.



Solar Hot Water

Solar hot water systems heat water using a solar thermal collector. The solar panels help the environment by using less fossil fuel. The panels also save money by harnessing the free solar energy from the sun.

PLUMBING FACT

ONLY 4 OUT OF 10 PEOPLE IN THE WORLD
HAVE TOILETS IN THEIR HOMES



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Good plumbing is very important for the environment. Plumbers try to make sure no water is wasted.



Where does the water go when you flush the toilet?

Thanks to plumbing the water travels through pipes to be safely looked after.

Easy ways you can save water:

- Take short showers
- Turn the tap off when brushing your teeth
- Turn the tap off fully. If it is dripping let an adult know straight away



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**SPREAD
THE WORD**

This World Plumbing Day spread the word about the importance of plumbing and plumbers to protect public health and improve amenity.

There are many new plumbing inventions that both help the environment and help save you money.

Solar Hot Water

Install panels on your roof, reducing your carbon footprint by 30 percent and you are likely to save lots of money on energy bills each year

Motion Sensor Fittings

Install motion sensor fittings so whenever the tap is not in use it turns off automatically. Many work places and public bathrooms are installing motion sensor fittings to reduce water waste and improve hygiene

Low-flow Shower Heads

Switching from an average 9L per min shower head to a 7.5L per min can save more than 500L of water per year. If every household in the world changed, the water saving would be enormous.

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