

STAGE 3

Maintenance and cleaning of filling valve

Cleaning

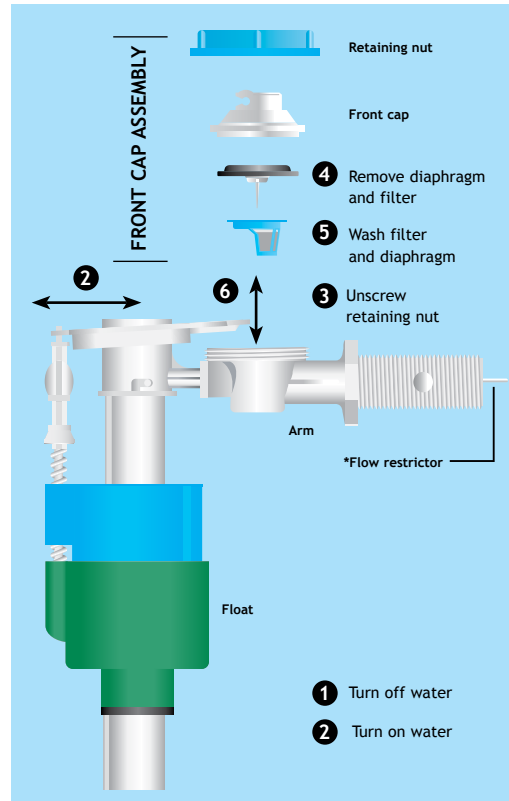
The Torbeck valve is fitted with a filter which may need cleaning occasionally to ensure that optimum waterflow is maintained. The filter is essential for correct functioning.

The procedure for cleaning the valve is as follows:

- 1 Turn off water.
- 2 Disconnect float arm by pulling horizontally away from retaining nut assembly, disengaging the pegs from their location slots in front cap.
- 3 Unscrew retaining nut using suitable spanner and remove front cap.
- 4 Remove diaphragm and filter taking note of assembly sequence and location.
- 5 Wash filter and diaphragm to remove any debris then re-assemble in reverse sequence to '4' and '3', ensuring filter is pushed fully back over its location slot and is seated correctly.
IMPORTANT: Make sure hole in small coloured bush located in the diaphragm is aligned correctly with the steel pin, and diaphragm is able to slide freely up and down pin.
- 6 Re-position and fit float arm by ensuring pegs are clipped properly into location slots of front cap.
IMPORTANT: Make sure float arm assembly is operating correctly (the float should drop freely when lifted).
- 7 Turn on water supply.

Cleaning of water chamber

It is recommended that the Ecofil water chamber is removed and cleaned every six months or sooner if the drain holes become blocked. This will ensure the maximum efficiency of the Ecofil.



Restrictors and water pressures

1/2" Plastic

Below 1 bar (14 p.s.i)	No Restrictor
From 1-4 bar (14 - 60 p.s.i)	L.P. Restrictor
Over 4 bar (60 p.s.i)	H.P. Restrictor

* Please ensure the correct water pressure is maintained using restrictors in relation to the table above. Note, it is essential that the overflow rate must be greater than the infill rate when the valve is fully open.

Warning: Solder flux and some sealing compounds can damage this plastic plumbing product.

features • fitting instructions

Torbeck[®] Ecofil

Side entry filling valve

- Adjustable water volume
- Easy clean filter
- Internal filter and flow restrictor
- Reduces water hammer
- Eco friendly
- Saves up to 1 litre of water per flush

WRAS
APPROVED
PRODUCT

**MADE IN
THE U.K.**

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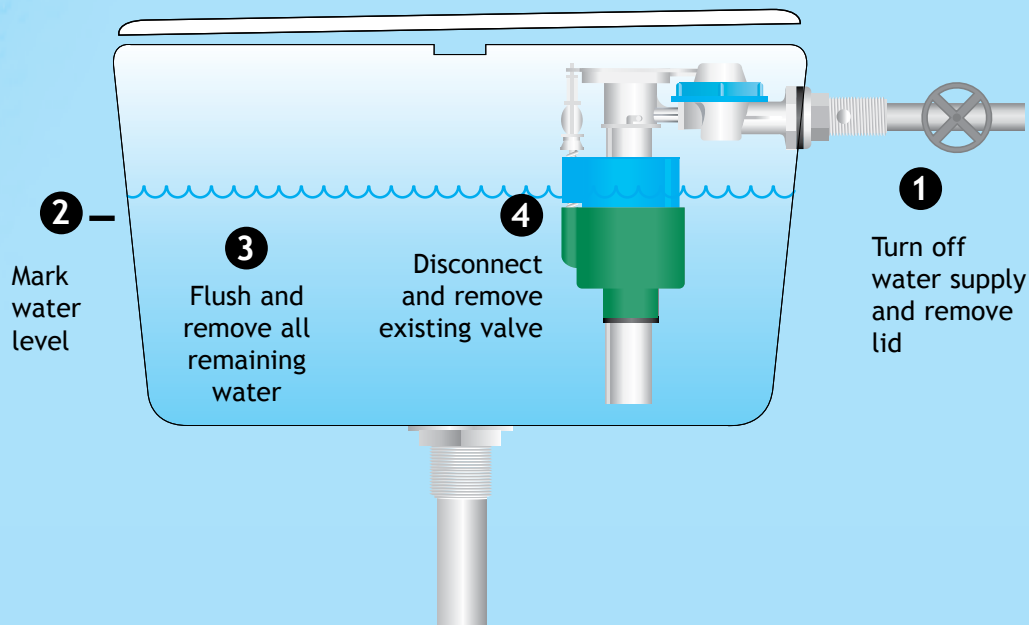
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STAGE 1

Pre-installation

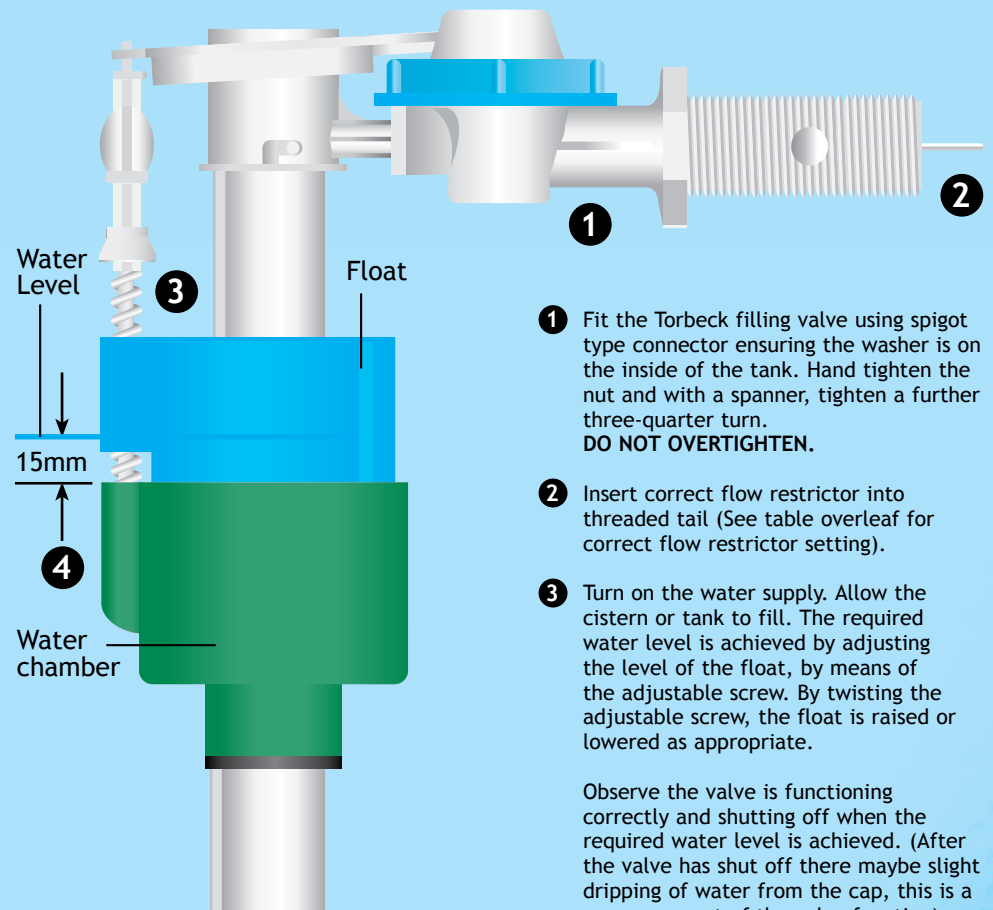
- 1 Turn off water supply to cistern and remove cistern lid.
- 2 While still full, mark the normal water level on the inside of the cistern.
- 3 Flush the cistern and remove all remaining water with a sponge or cloth. Ensure all dirt and loose particles are removed as they may impair the filling of the Torbeck valve.
- 4 Disconnect and remove existing filling valve.



*Valve can be fitted on either side of cistern.

STAGE 2

Fitting your Torbeck® Ecofill filling valve



- 1 Fit the Torbeck filling valve using spigot type connector ensuring the washer is on the inside of the tank. Hand tighten the nut and with a spanner, tighten a further three-quarter turn. **DO NOT OVERTIGHTEN.**
- 2 Insert correct flow restrictor into threaded tail (See table overleaf for correct flow restrictor setting).
- 3 Turn on the water supply. Allow the cistern or tank to fill. The required water level is achieved by adjusting the level of the float, by means of the adjustable screw. By twisting the adjustable screw, the float is raised or lowered as appropriate.

Observe the valve is functioning correctly and shutting off when the required water level is achieved. (After the valve has shut off there may be slight dripping of water from the cap, this is a necessary part of the valve function).

- 4 Setting the Ecofill chamber is done by sliding the chamber up the outlet tube. Allow the valve to shut off, now slide the chamber up so that the top of the chamber is approx 15mm below the water level.