Twyford
Geberit Group

CISTERN INSTALLATION INSTRUCTIONS

Twyford cisterns are designed to be fixed flat to the wall with suitable rust resistant screws (not supplied) using the holes provided. Cisterns can be fitted right or left hand.

WARNING

No sealing compound, paste, flux, silicone or solvent to be used in contact with plastic or rubber surfaces, to avoid damage to plastic components. Rubber washers should provide adequate seal. PTFE tape may be used on threads. Do not overtighten plastic nuts.

Before fixing the cistern to the wall, it is advisable to fit the cisterns internal components...

1 FITTING INTERNAL COMPONENTS

Syphons

Fit the rubber washer to the syphon tail. Insert the syphon into the cistern and secure in place with the 1½" BSP back nut as shown in **Fig.1**.

Note: This cistern is factory set to a 6 litre full flush. For all other pans the orange plug should remain fitted to the syphon.

Ball Float Valves

Both side entry and bottom entry valves are fitted with a 3mm bore high pressure seat (white) to suit mains water supply. A low pressure 6mm bore seat (red) is also provided for use only when the cistern is fed from low pressure supply i.e. storage tanks.

Screw float firmly onto end of arm before fitting valve. Set float position after installation into cistern if a swivel arm is fitted as shown in **Fig. 2**.

Side Entry

Screw a back nut onto the valve tail with the spigot facing towards the float. Insert the valve into the side hole in cistern using the back nut as a collar. Secure the valve using a second back nut with the spigot locating into the side hole of the cistern to centralise the valve in the side hole.

Pedestal Bottom Entry

Fit the rubber washer onto the valve tail and insert the pedestal float valve into the base hole of the cistern. Secure the valve using the back nut with the spigot locating in the base hole of the cistern to centralise the valve in the base hole. The bracing stay must be adjusted by cutting the stay to the correct length so as to contact the cistern wall but without over straining the pedestal as shown in **Fig. 3**.

Note: A servicing valve should be fitted at or near the tail of the inlet valve.

Push overhead discharge elbow shown in **Fig. 2** onto the top outlet and rotate inwards making sure the water from the overhead discharge elbow is not directed into the syphon reservoir as shown in **Fig.2**.

Important: Ensure the float arm moves freely in a vertical path and does not contact other internal components.

Overflow

Internal Overflow Warning

If an internal overflow warning is required, seal external warning pipe holes in side or base of cistern using a blanking plug and rubber washer as shown in **Fig. 4**. External warning pipe connectors can be discarded.

External Overflow Warning

Side Entry

The warning pipe connector is fitted from inside the cistern and secured with a flange nut as shown in **Fig. 5**.

Bottom Entry

Fit the overflow warning pipe and rubber washer into cistern. Turn the pipe to the corner of the cistern to allow clearance for float arm movement and secure using back nut. See **Fig. 5**.

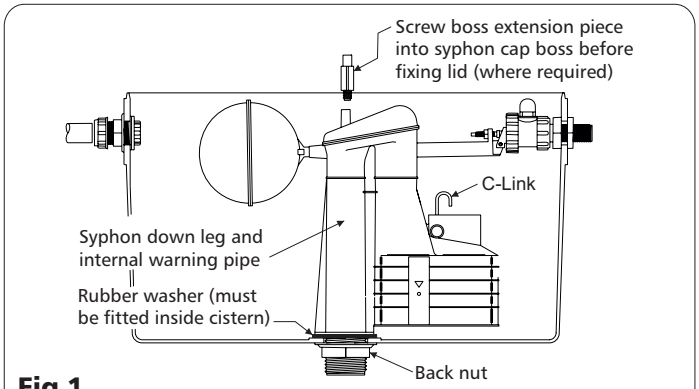


Fig 1

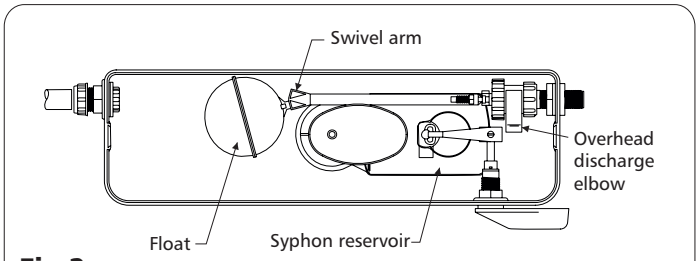


Fig 2

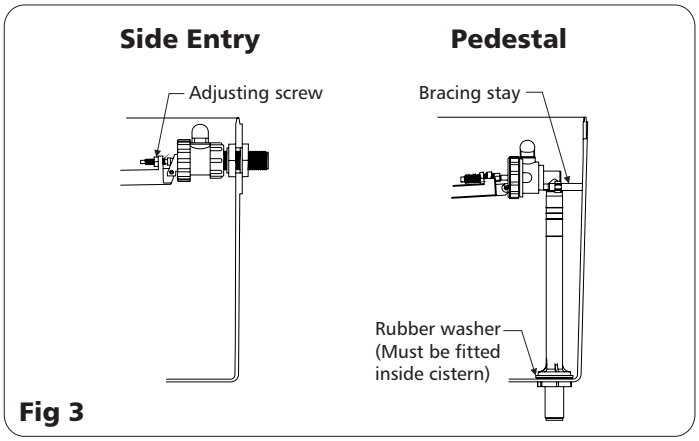


Fig 3

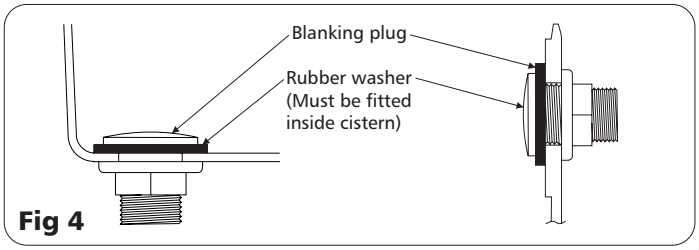


Fig 4

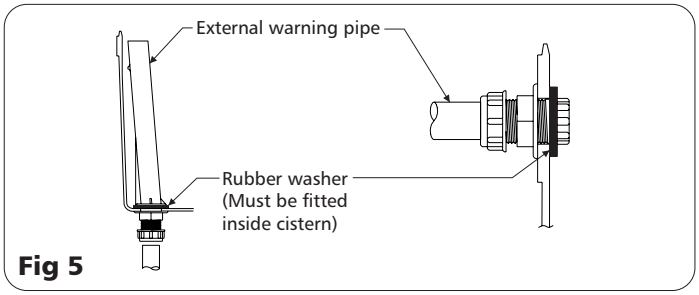


Fig 5

2 FITTING THE CISTERN

Check there is sufficient space to install the cistern based on the dimensions shown in **Fig.6**. Use suitable fixings to secure the cistern into position through the fixing holes in the cistern wall.

IMPORTANT: The minimum **Distance D** between the centre of the pan's inlet hole and **point P** (the bottom edge of the syphon's back nut) SHOULD NOT be less that 150mm as shown in **Fig.6**.

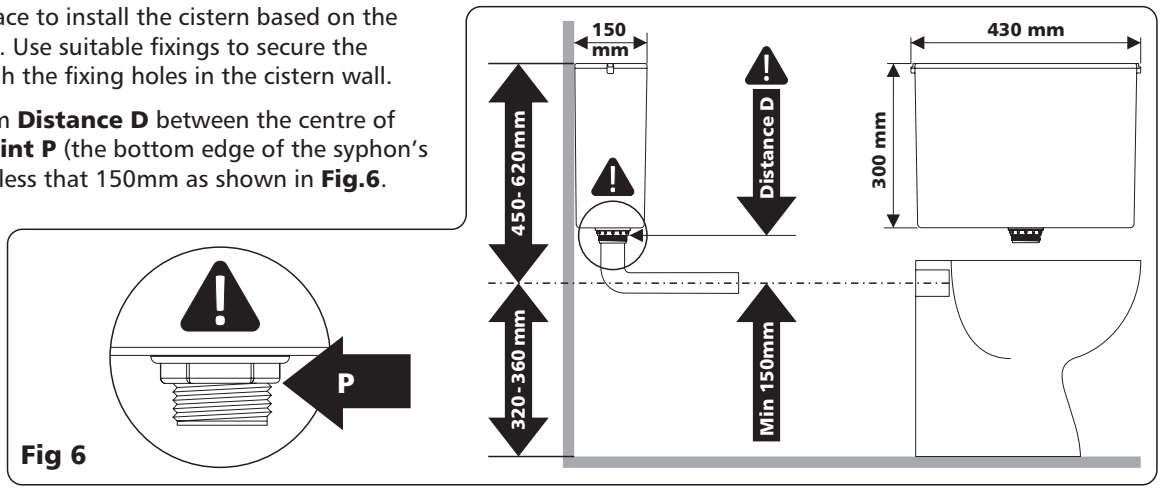


Fig 6

3 FITTING THE FLUSH PIPE

With the cistern in position, push the flush pipe into the outlet aperture to a maximum of 50mm and secure in place with the cone ring and cap nut.

Ensuring the flush pipe is vertical. Measure **distance A** between the centre lines of the pan inlet and the horizontal section of the flush pipe. Note this measurement.

Remove the flush pipe and cut the same **distance A** measured from the top of the vertical section. Ensure the cut is square and free from burrs.

Refit the flush pipe and secure using the cone ring, and cap nut.

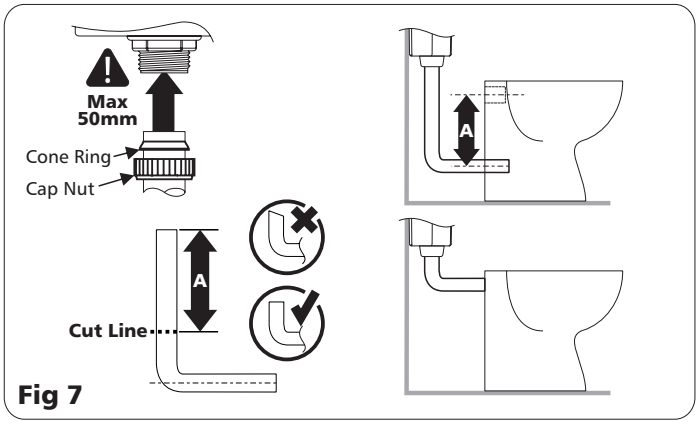


Fig 7

4 INSTALLATION CHECKLIST

Before turning on water supply check the following:

① CISTERN IS SECURE

② ALL MOVING COMPONENTS OPERATE FREELY

③ ALL JOINTS ARE TIGHTENED CORRECTLY

Now fill the cistern, set the water level and check the following:

④ CHECK CAREFULLY FOR LEAKS

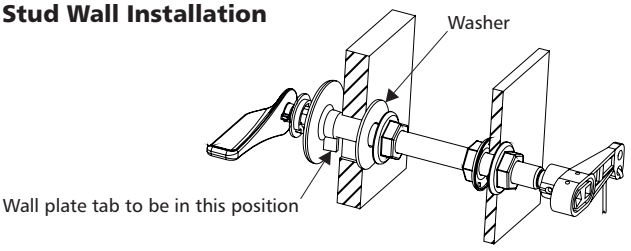
⑤ ENSURE ALL MOVING COMPONENTS OPERATE FREELY

⑥ CHECK FLOAT ARM MOVES FREELY UP & DOWN AND CLOSES OFF CORRECTLY

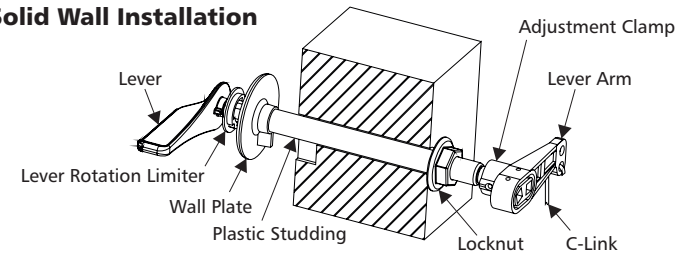
⑦ TEST THE SYPHON OPERATION AND THAT THE CISTERN FLUSHES CORRECTLY

5 LEVER ASSEMBLY

Stud Wall Installation



Solid Wall Installation



Note: Lever and plastic studding to be cut to suit the particular installation

6 SETTING THE WATER LEVEL

Water Level

Set the float arm adjusting screw shown in **Fig.3** so that the water level is initially 13mm (1/2") below level marked on inside of cistern to allow for variations in mains water pressure particularly during the night. Tighten locknut to secure adjusting screw in the case of a ball float valve. If overflowing or poor flushing subsequently occurs, first check that the float arm moves freely up and down then reset the float position. If overflowing continues, check internal assembly and remove any foreign matter.

Fitting Cistern Lid

For syphon operated cisterns it is essential that the lid is securely fitted to the cistern with the screw provided.

We reserve the right to revise this specification and details without notice.

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