

## 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 over tighten plastic nuts.

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

### 1 FITTING INTERNAL COMPONENTS

#### Syphon

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**.

For cisterns with a right hand feed, reposition the syphon, inlet valve, external warning pipe (if fitted) and lever to the positions shown in **Fig.1**.

**Note:** Do not fit lever and inlet valve on the same side of the cistern.

#### Flush Volumes

This cistern is factory set to deliver a 6/4 litre dual flush. To convert to other flush volumes please follow the below instructions.

#### 6 Litre Mono flush

Fit the white bung into the orange plug already fitted to the side of the syphon body.

#### 4 litre Mono flush

Referring to the table in **Fig.2**, the orange plug must be removed and replaced with the correctly coloured plug provided, depending on the pan to be flushed.

For all other pans the orange plug should remain fitted.

#### Inlet Valve

Check that the float chamber valve is set to position 2 as shown in **Fig.3**. Screw a back nut onto the valve tail so that the spigot faces into the side hole. Insert the valve into the side hole of the cistern using the back nut as a collar. Secure the valve using a second back nut with the spigot also locating into the side hole of the cistern to centralise the valve in the side hole.

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

If the water system pressure is below 1 Bar the factory fitted flow restrictor should be removed as shown in **Fig.3**.

Check the water level and adjust if necessary by rotating the float stem as shown in **Fig.3**. Ensure the float remains in the float chamber.

For optimum delay fill time, adjust the float mechanism so that on shut off, the top of the float chamber is between the two marked lines on the float.

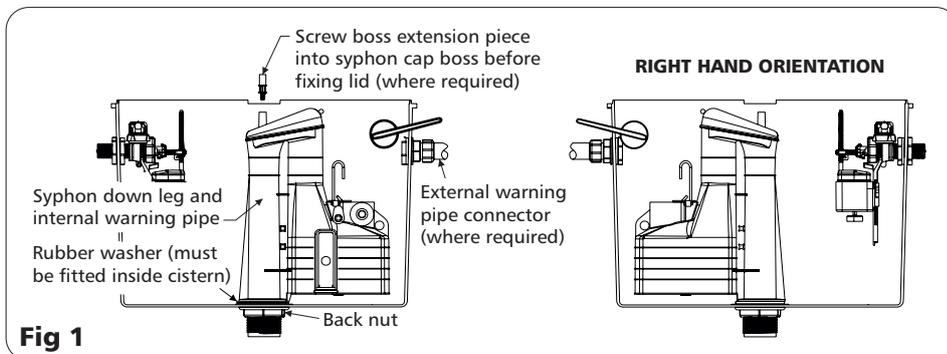
To service the inlet valve remove the front nut and remove the filter from the valve using the filter key as shown in **Fig.4**. Wash the filter in clean water and reassemble. Ensure the float chamber is in position 2 as above and reposition using the tabs if required.

#### 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.

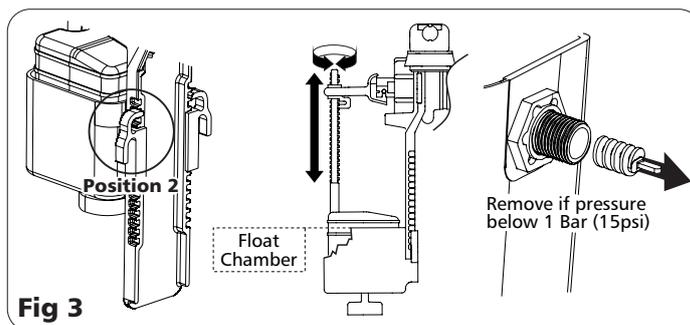
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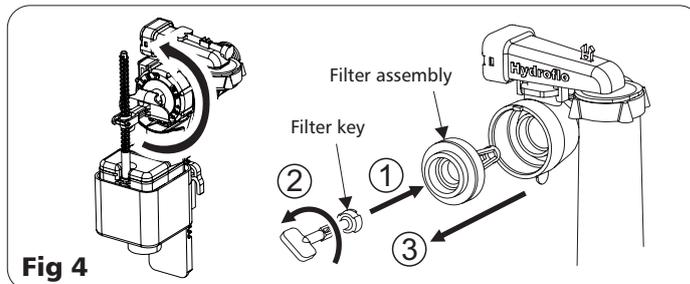
**Fig 1**

4 LITRE FLUSH ONLY			
Pan	Wall hung	Back to wall	Plug Colour
Entice		✓	Black
Encore		✓	Black
Galerie		✓	Black
Alcona	✓		Blue
Refresh	✓		Blue
Refresh		✓	Black
Moda	✓		Black
Sola Rimless	✓		Blue
Galerie Optimize	✓		Blue
Quinta	✓		Blue
Schools 300		✓	Blue
Schools 350		✓	Blue
All other pans	✓	✓	Orange

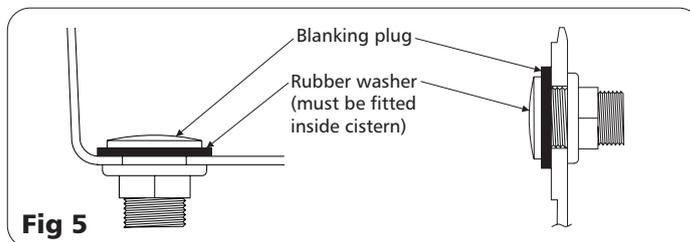
**Fig 2**



**Fig 3**



**Fig 4**



**Fig 5**

## 1 FITTING INTERNAL COMPONENTS (Continued)

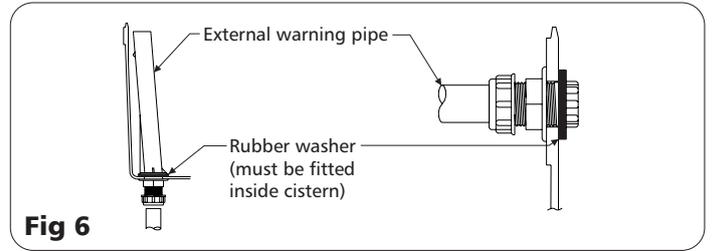
### External Overflow Warning

#### Side Entry

The warning pipe connector is fitted from inside the cistern and secured with a flange nut as shown in **Fig. 6**.

#### Bottom Entry

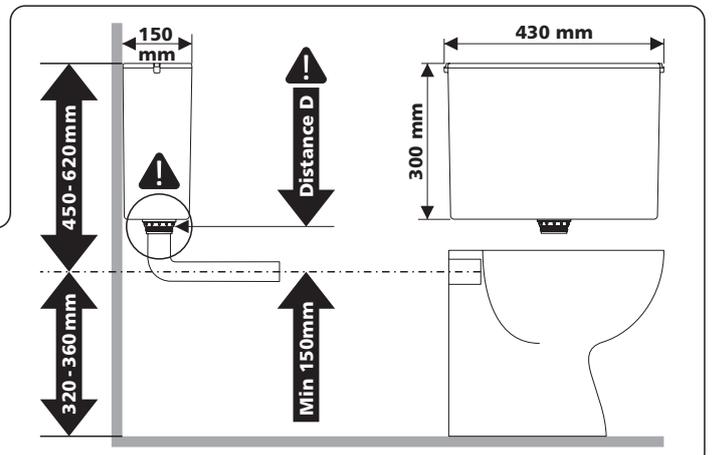
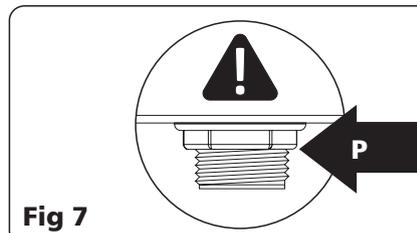
Fit the overflow warning pipe and rubber washer into cistern. Turn the pipe to the corner of the cistern to allow clearance for float arm movement and secure using back nut. See **Fig. 6**.



## 2 FITTING THE CISTERN

Check there is sufficient space to install the cistern based on the dimensions shown in **Fig.7**. 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 than 150mm as shown in **Fig.7**.



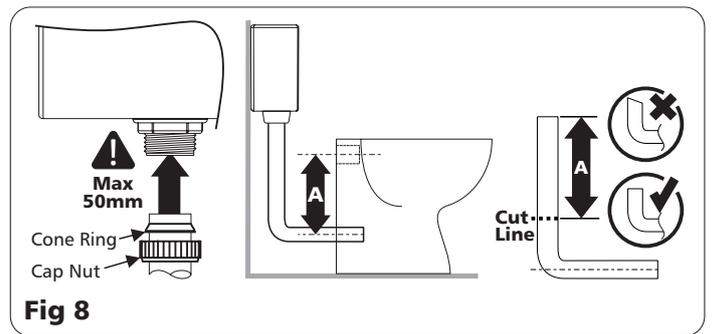
## 3 FITTING THE FLUSH PIPE

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.



## 4 INSTALLATION CHECKLIST

Before turning on water supply check the following:

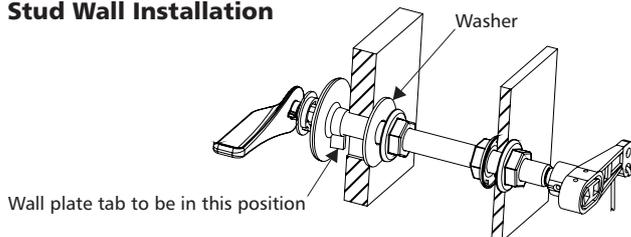
- ① CISTERN IS SECURE
- ② ALL MOVING COMPONENTS OPERATE FREELY
- ③ ALL JOINTS ARE TIGHTENED CORRECTLY

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

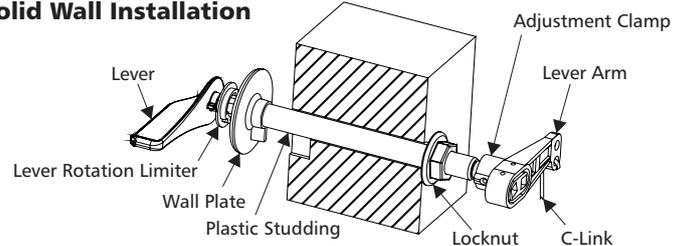
- ④ CHECK CAREFULLY FOR LEAKS
- ⑤ ENSURE ALL MOVING COMPONENTS OPERATE FREELY
- ⑥ CHECK FLOAT ARM MOVES FREELY UP & DOWN AND CLOSES OFF CORRECTLY
- ⑦ TEST THE SYPHON OPERATION AND THAT THE CISTERN FLUSHES CORRECTLY

## 5 LEVER ASSEMBLY

### Stud Wall Installation



### Solid Wall Installation



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

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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