Pneumatic Cistern Installation Instructions

This cistern installation is designed to meet 2001 water regulations and will deliver 6 litres on full flush conditions and 4 litres on partial flush conditions.

Note this assembly should only be used with WC pans specifically designed for 6 litre volume flush.

**WARNING.** No sealing compound, paste, flux or solvent to be used in contact with plastic surfaces, to avoid damage to plastic components. Rubber washers should be adequate seal. PTFE tape may be used on threads. No chemical block / additive to be put in this cistern.

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

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1 - **Fitting of the ‘HYDROFLO’ inlet valve.**
Follow the instructions which are packed with the Inlet valve.

2 - **Fitting of the ‘NIAGARA’ flush valve.**

2.1 Make sure the centre stem is free to move up and down and it is located in its guide at the top of the valve.

2.2.1 Where a bowl is supplied. Assemble valve into cistern as shown and tighten backnut.

2.2.2 Where a bowl is not supplied. Assemble valve into cistern as shown and tighten backnut.

2.3 Connect the pneumatic tubes (Single flush valve supplied with transparent tube only).

3 - **Fitting the push button.**
Follow the instructions which are packed with the push button.
4 - Internal / External warning.

4.1 - Internal warning - seal external warning pipe holes in side or bottom of cistern as shown. Discard external warning pipe connectors.

4.2 - External warning bottom entry - Assemble as shown angling pipe into corner of cistern and secure with backnut.

4.3 - External warning side entry - Assemble as shown and secure with backnut.

5 - Final check list.

Before turning on water supply check -

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

Now fill cistern and set water level.

- CHECK CAREFULLY FOR LEAKS
- ENSURE ALL MOVING COMPONENTS OPERATE FREELY
- CHECK FLOAT ARM MOVES FREELY UP AND DOWN AND CLOSES OFF CORRECTLY
- TEST OUTLET VALVE OPERATION AND THAT CISTERN FLUSHES THE CORRECT VOLUME

6 - Maintenance of the Outlet Valve.

6.1 - Turn off water supply and empty cistern.

6.2 - Release flushvalve from base and remove from cistern.

6.3 - Wash seal in clean water.

6.4 - Clean sealing face of valve body with a non abrasive cleaner.

6.5 - Re-assemble and turn on water supply.

Replacement/spare parts can be purchased from a local Thomas Dudley supplier or ordered direct through our sales office who can be contacted on - 0121 530 7000

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