

# **'PUSHFLO' Pneumatic Cistern Installation Instructions**

## ***Incorporating Single Flush 'Niagara' Outlet valve, Single Flush 'Royal' Pneumatic Push Button & 'Hydroflo' Inlet Valve.***

This cistern installation is designed to meet 2001 water regulations and will deliver 6 litres on full 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.**

The cistern is designed for concealed fitting and should be fixed to its mounting surface with suitable rust resistant screws (not supplied) using the holes provided. Cistern can be fitted with left hand or right hand water inlet.

### **Fitting of the 'HYDROFLO' inlet valve.**

Follow the instructions which are packed with the Inlet valve.

### **Fitting of the 'NIAGARA' Flush Valve.**

Disassemble the Valve assembly from the Body assembly by rotating the valve assembly anti-clockwise. With the Rubber Washer in place on the Body assembly, fit the assembly together with the Bowl into the cistern making sure that the second rubber washer is between the bowl and the cistern. Secure to cistern using Backnut, tighten enough to prevent leakage. Adjust Overflow pipe height so that the top of the pipe is 20 to 25mm above the marked water level on the inside of the cistern. Insert one end of the pneumatic tube, supplied, into the black rubber connector and make sure the centre stem is free to move up and down and it is located in its guide at the top. Refit the Valve assembly to the Body by engaging the lugs and rotating clockwise. Align the valve so that the word Dudley on the cover is parallel with the length of the cistern.

### **Fitting the 'Royal' push button.**

The button requires a 40mm diameter hole in the panel for mounting. Release the clamping cup nut from the push button by rotating it anti-clockwise. Fit push button assembly into panel and replace cup nut onto rear of push button housing by rotating clockwise until the button assembly is clamped in position securely. Connect the clear pipe from the outlet valve to the centre connector at the rear of the button. Although the tube is supplied one metre long it is advisable to shorten the tube to the minimum required for the installation. Also make sure there are no kinks in the tube when assembling the panel.

Can be fitted to panel thicknesses between 3mm and 20mm. (By turning the cup nut around, it is possible to attach to panels upto 40mm with the addition of an appropriate washer.)

### **Testing the Flush Valve.**

Fill the cistern to approx. 13mm below the water level marked on the inside wall of the cistern. Attach the pneumatic tube from the Outlet Valve to the connector at the rear of the Push Button. Operate the Push Button and check that the Outlet valve opens positively and delivers the full flush amount of water to the pan.

### **Maintenance of the Outlet Valve.**

Turn off water supply and operate Push Button to empty cistern.

Mineral deposits from the water supply or other foreign material can cause the valve not to seat properly and thus water leakage may occur. A trickle of water running into the W.C pan is the result.

The outlet valve can now be rotated anti-clockwise and released from its housing attached to the cistern. Remove the outlet valve together with the pneumatic pipe attached to it.

With a clean wet cloth, carefully wipe around the seal area of the moulding still attached to the cistern. Stubborn mineral deposits may be removed using a non-abrasive bathroom cleaner.

Clean the rubber seal on the Valve Assembly in the same way as the seal face described earlier.

Do not use solvents to clean any part of the valve and take care not to damage the sealing faces.

Should the seal become damaged enough to impair the valves performance a replacement seal can be purchased through your local Thomas Dudley supplier.

Reassemble the outlet valve into the cistern in the reverse order. Turn on water supply.

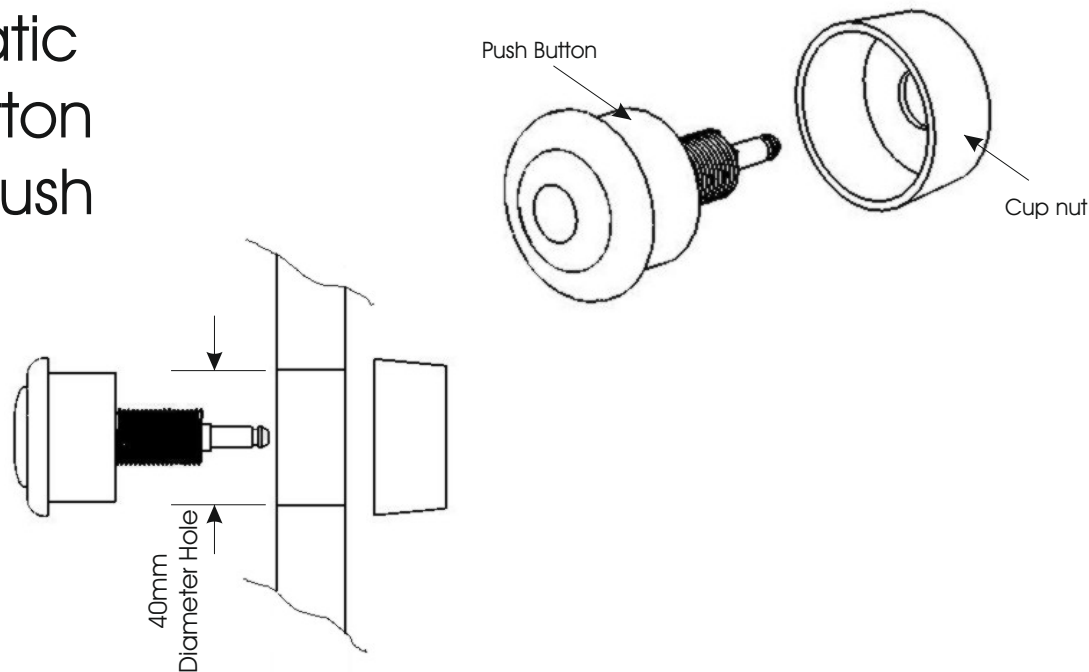


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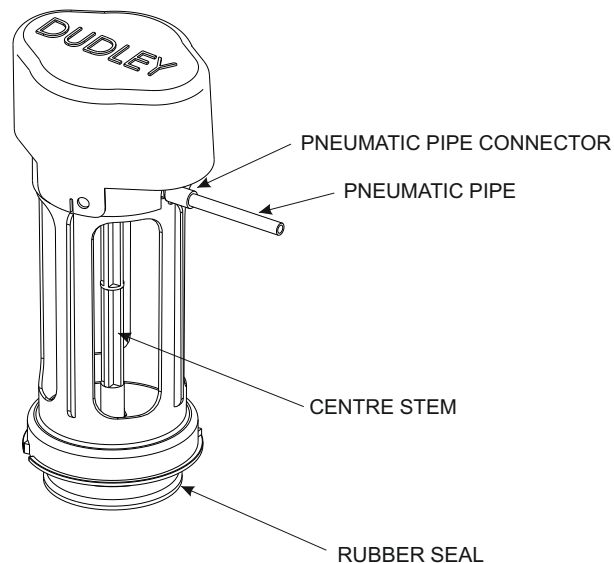
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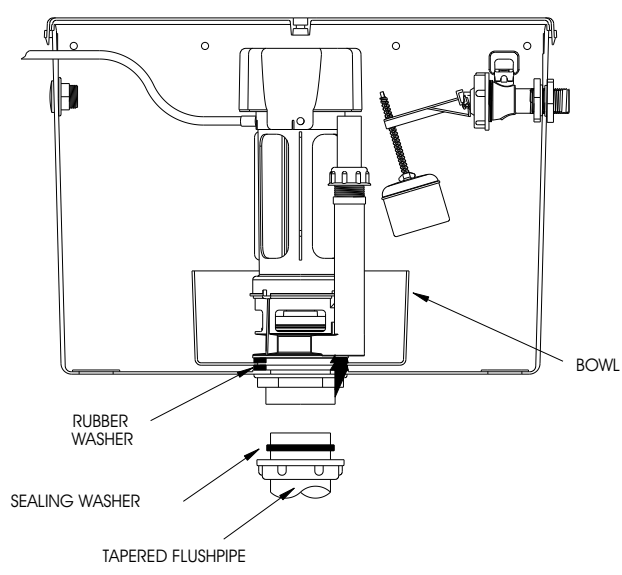
# Pneumatic Push Button Single Flush



# Pneumatic Single Flush Outlet Valve



## Side Inlet



## Bottom Inlet

