

# EASYFLUSH WATER MANAGER INSTRUCTIONS



- Reduces water consumption.
- Battery Powered - 2/3 year life.
- Battery low alarm.
- Failure alarm.
- Flush Counter.
- Programmable to user requirements or factory pre set functions.
- Option to prohibit flushing on certain days.
- Maximises the functionality of the BioBall & Urinal Sleeves.
- Option for different colours / company branding.



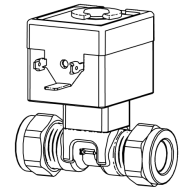
## INTRODUCTION

The EasyFlush (WES50) is designed to be fitted to a 6 volt DC latching solenoid water valve.

For UK cistern applications we recommend the use of a 2mm orifice latching valve available for purchase separately (WES50.3) or included when purchased as a set (WES51).

Please take a moment to check that you have the following:

- 1 x EasyFlush Urinal Flush Timer
- 1 x 9v Battery
- 1 x Battery Sheath (attached)
- 1 x Securing Screw
- 1 x Screw Cover
- 1 x Solenoid Latching Valve (\*Only Included with WES51)



## FITTING THE VALVE (if not already installed)

In most cases there will be a water isolator (stop cock) on the water supply to the cistern/urinal and the valve has to be fitted between the stop cock and the cistern/urinal, preferably in a position out of normal reach by the general public.

The first step is installing the valve correctly “the right way up and the right way around.”

Turn off the water supply to the cistern/urinal, and mark the pipe where the valve is to be fitted, the valve needs to be installed in an upright position wherever possible to maximize reliability, performance and allow the EasyFlush to be vertically mounted.

The valve must also be fitted in the correct direction otherwise it will not work correctly. Most valves are marked on the underside with either an “IN” mark or “1” for in & “2” for out to indicate direction of water flow.

Cut the water pipe and install the valve, reinstate the water supply and ensure there are no water leaks. Please check again that the valve is installed in the correct orientation before proceeding further, if a drip feed regulator is fitted to the outlet into a cistern, then it needs to be removed and replaced with pipe to ensure a controlled discharge into a cistern without splashing.

Do not fit the EasyFlush controller to the valve at this stage. You will notice on the top part of the valve 3 metal connectors, 2 small pins and 1 large central earth pin. Use the battery supplied to check the correct operation of the valve by briefly touching the contacts of the battery onto the 2 small pins. If the valve does not open and water start to flow into the cistern/urinal reverse the polarity of the battery and repeat.

For cistern installations let the water flow into the cistern until it completely fills and starts to flush, then immediately close the valve with the battery as described above, **as you must have an empty cistern before moving to the next stage of the set up and installation procedure.**

You are now ready to continue with the EasyFlush set-up as overleaf.

## SET UP PROCEDURE

The next step is programming the EasyFlush.

**N.B.** the flushing mode default is "C" (C= Cistern flushing)

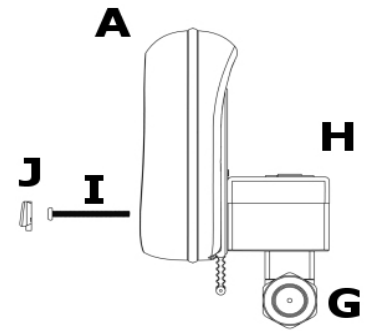
To obtain "D" (D= Direct flushing - mains/tank Fed no cistern.) hold the "F" button down when connecting battery.

The display will show selected C or D mode after a few seconds.

Firstly remove the EasyFlush from its packaging and lift the rubber gasket on the back to reveal the battery tray and fit the battery. Replace the rubber gasket and immediately (within 20 seconds) fit the EasyFlush (A) to the solenoid valve (H) it must sit vertically on the valve as per the image above or the valve will not turn off.

Push the securing screw (I) through the EasyFlush into the valve and lightly tighten. Replace the screw cover (J).

You will notice if the battery has been fitted correctly as a letter "C" or "D" will be displayed depending which mode you have chosen..



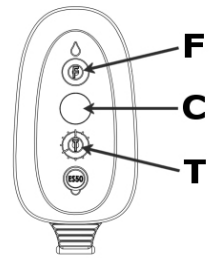
## ADJUSTING THE FILL/FLUSH TIMING

**IN CISTERN MODE "C"** the set up process involves timing how long it takes to fill your urinal flushing cistern with water, every site will be different due to cistern size and water pressure differences.

**Ensuring your cistern is still empty** press the "F" button so the screen displays "F-S", meaning the system is ready to start filling.

Press "F" again which will then open the valve and water will flow into the cistern, (while the cistern is filling a small red dot will flash on the front of the EasyFlush to indicate the cistern fill time is being recorded).

Once the cistern is full the flush will start at which point you press the "F" button again to close the valve and record the total cistern fill time. The fill time is now set into the EasyFlush memory.



**IN DIRECT FLUSHING MODE "D"** press the "F" button so the screen displays "F-S", meaning the system is ready to start flushing.

Press the "F" button again which will then open the valve and start to flush the urinal (while the urinal is flushing with water a small red dot will flash on the front of the EasyFlush to indicate the flush timing is in progress) after about 5-10 seconds press the "F" button again to record the total urinal flush time.

In Direct mode "D" it is normally recommended to flush a urinal for about 5 – 10 seconds duration to prevent overflowing the urinals.

## ADJUSTING THE FLUSH CYCLE

The EasyFlush will now display "T - 0 - 0", press the "T" button to set your required number of flushes per day.

For example, T - 0 - 4 would mean 4 flushes per day, attained by pressing the "T" button 4 times or T - 1 - 2 would mean 12 flushes per day attained by pressing the "T" button 12 times.

If the prohibit days feature is required, **within 20 seconds of setting your flushes per day as above press the "F" button for 5 seconds until "Y20" is displayed and proceed to using the prohibit days feature.**

If you **do not** wish to use the **prohibit days feature**, wait 20 seconds and the display will turn off after a "beep" this confirms the settings have been accepted and your EasyFlush will flush your urinals to the set flushes per day until the battery expires, in approximately 2/3 years OR when 'battery low' alarm sounds.

**If the EasyFlush is not programmed as above for any reason then a factory default setting will be automatically selected. Cistern Flush Mode (4 x 6.5 minute fills per day), Direct Flush Mode (12 x 10 second flushes per day).**

In Direct mode "D" it is recommended to flush a urinal more frequently than with a cistern due to the lower flush volumes.

## USING THE PROHIBIT DAYS FEATURE

This feature allows you to choose 1 or 2 days per week when the urinals won't flush, for example if the premises are closed on certain days. They can be any 2 days of the week they do not have to be consecutive.

If the "F" button is not pressed within 20 seconds after setting the number of flushes, the EasyFlush sets without the prohibit days feature and the battery will need to be removed and the power drained to reset the EasyFlush if you wish to use the prohibit days.

\*\* Prohibit Days programming overleaf

### Display shows "Y20" (Y = Year)

Select current year press "T" until correct year is selected e.g. 2022 (Y.2.2), then press "F" to progress.

### Display shows "C1" (C= Calendar Month)

Select current month ( J=1, F=2, M=3, A=4, M=5, J=6, J=7, A=8, S=9, O=10, N=11, D=12) by pressing "T" and watching the display increase until the correct month has been found, then press "F" to progress.

### Display shows "D" (D = Day of the Month)

Select current date by pressing "T" equal to the current day of the month number, then press "F" to progress.

### Display shows "P" (P = Prohibit Day 1)

Select first day of the week flushing to be prohibited – Default is Saturday (1 is Monday, 7 is Sunday, 0 causes this prohibited day to be ignored) e.g. Saturday/day 6, by pressing "T" 6 times. Display shows P6, then press "F" to progress.

### Display shows "P." (P. = Prohibit Day 2)

Select second day of the week flushing to be prohibited – Default is Sunday (1 is Monday, 7 is Sunday, 0 causes this prohibited day to be ignored) e.g. Sunday/day 7, by pressing "T" 7 times. Display shows P7, then press "F" to progress.

### Display shows "H" (H = Hour)

Select current hour based on 24 hour clock e.g. 1pm by pressing "T" to select 13.

Press "F" button for 5 seconds until "Beep" is heard to confirm settings otherwise unit reverts to normal EasyFlush mode without prohibited days.

The display is now blank and the EasyFlush is ready for use with the flush inhibit feature.

After the setup is complete and the unit is running, press 'T' at any time to view settings.

Press 'T' repeatedly to cycle through the set parameters.

If unit is in normal WES50 mode without prohibited days, only "t" (flushes per day) is displayed.

## CARE AND MAINTENANCE

- \* Only fit and use prime quality batteries such as 'Energizer' or 'Duracell'
- \* Replace the battery every 2 years OR when 'battery low alarm' sounds, to ensure the product functions correctly.
- \* Ensure the device is always kept clean and away from the elements as it is not designed for exterior applications.
- \* To check the current settings press "T"
- \* For the number of FLUSHES since installation press "F"
- \* To **RESET** - remove the battery then press and hold one of the buttons for 10 seconds to drain the power.
- \* If a **TEST FLUSH** is required press and keep holding "T" then at the same time press and hold the "F", keep both buttons pressed whilst the display goes through its software version, once it displays "UER" let go of both buttons and a test flush will be performed after which the EasyFlush will revert back to your previous programming.

## WARRANTY

The EasyFlush is covered by a manufacture defect 2 year warranty. We offer a 2 year part replacement only. No responsibility can be taken for failure of the device or valve resulting from contaminated water supplies or improper installation of the device. The WES50.3 valve warranty is expressly the responsibility of the valve manufacturer, details of which are applied for via ourselves.

**For any assistance required with this product please either call your distributor or get in touch directly with the manufacturer**