

Cistermiser

# Cistermiser Hydraulic Urinal Flush Control Valves

*...automatic urinal flush control*



- Cistermiser hydraulic urinal flush control valves minimise water consumption and reduce washroom odours
- The industry leader with half a million urinal flush controls already installed
- Reduce water consumption by up to 80%
- 'Fit and Forget' quality and reliability
- Hygiene flush for periods of non-use
- Unique patented hydraulic mechanism – no electrics or batteries required
- Ensure compliance with Water Regulations
- On DEFRA's ECA Water Technology List; cost is tax-deductible

Cistermiser  
water management at its best

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## How the Cistermiser Hydraulic Valve works

The Cistermiser hydraulic valve does away with the wasteful drip-feed, 'trickle cock' or 'pet tap' which always fills the cistern, whatever the level of demand. The Cistermiser is installed on the supply pipe to the urinal cistern. It uses a simple, patented mechanism which prevents water waste by ensuring that the auto-flush cistern is only filled and can only flush when the washroom is used. The valve is activated by short-term pressure drops created by use of taps and WCs on the same supply. The valve is normally closed; when it is activated it opens and water passes to the urinal cistern for a brief period of time until the pressures on both sides of the valve are equalised. When the cistern is full the auto-siphon will flush. The installer or user can adjust the time the valve remains open and therefore how long the cistern takes to fill and how much water is used.

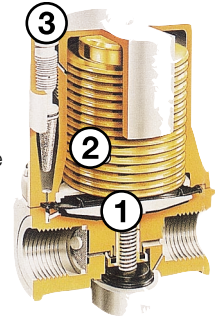
When the washroom is not being used the water supply pressure remains constant and the Cistermiser valve remains closed preventing water passing into the cistern. The cistern can therefore only flush during periods when the washroom is in use, eliminating unnecessary water consumption and cost.

## Hygiene Flush

In buildings such as schools where the washrooms are often vacant for long periods, a hygiene flush attachment is available to ensure a regular flush every 24 hours to prevent washroom odours.

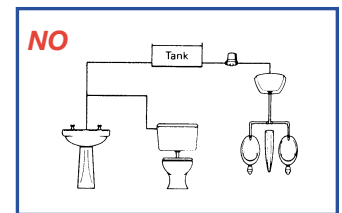
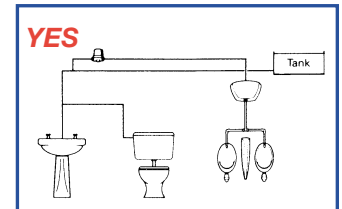
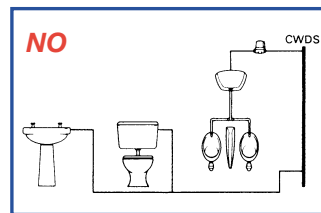
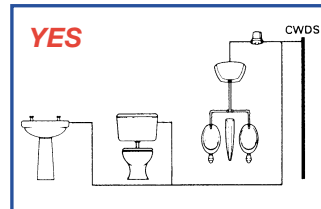
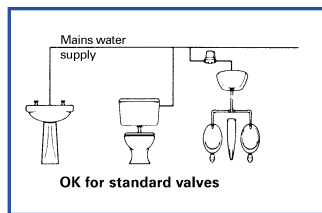
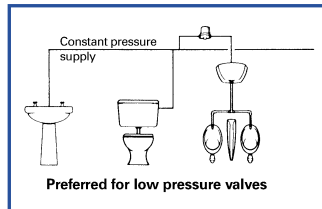
### The Cistermiser Hydraulic Valve consists of three main elements as shown here

1. Diaphragm operated valve which, when opened, allows water to pass to the urinal cistern
2. Hydraulic accumulator which, if fully charged, will maintain an equal supply-pressure on both sides of the diaphragm. When pressure on the inlet side is reduced, as other services are used, the pressure imbalance causes the valve (1) to open
3. Adjuster (restrictor) screw which can be set during installation to determine the volume of water discharged into the cistern at each operation by altering the duration of the 'open' period



## Installation Guide

Cistermiser hydraulic valves should always be fitted on the supply side to the urinal cistern. Any other restrictors or valves should be removed so that the pipe after the Cistermiser allows water to flow freely into the cistern. Position the valve after, but as close as possible to, the draw-off point to the other appliance eg cold tap or WC.

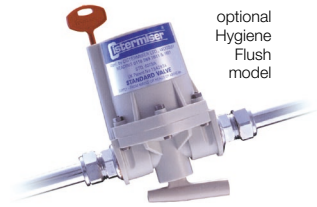


## The Cistermiser Hydraulic Range and the Hygiene Flush option

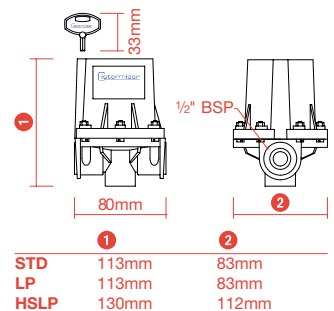
### Choosing the right valve for your application.

Three models make up the range of hydraulic valves, each suited to a different range of water supply pressure. As an optional extra feature the Standard and Low Pressure models can be fitted with the adjustable Hygiene Flush attachment to provide a minimum flush approximately once every 24 hours. The table below will help to specify the right model for your application.

Connections are all 1/2" BSP female. British Pat. No. 1 542 834.



Colour coded packaging	Model	Supply	Operating sensitivity	Dimensions
	<b>Standard Valve</b> STD 6073/A ...with Hygiene Flush STD 6073/A/HF	Mains water or tank-fed systems above 5m head	15% of supply pressure	H: 108mm ① (4.25") Ø: 80mm ② (3.2") Weight: 500g
	<b>Low Pressure Valve</b> LP 6074/A ...with Hygiene Flush LP 6074/A/HF	Tank-fed systems, 3m to 5m head	20% of supply pressure	H: 108mm ① (4.25") Ø: 80mm ② (3.2") Weight: 400g
	<b>High Sensitivity Low Pressure Valve</b> HSLP 6075	Tank-fed systems, 0.5m to 3m head	20% of supply pressure	H: 127mm ① (5.0") Ø: 114mm ② (4.5") Weight: 700g



Unit 1 · Woodley Park Estate · 59-69 Reading Rd  
Woodley · Reading · Berkshire · RG5 3AN · UK

t: +44 (0) 118 969 1611 sales@cistermiser.co.uk  
f: +44 (0) 118 944 1426 www.cistermiser.co.uk



**Note:** The user can control the amount of water allowed to pass through the valve each time it is activated; most users choose a range between 0.5 and 10 litres per flush.