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SBUFC & SBUFC(V2) Model Urinal Flushing Valves

Plumbing Guidelines.....[Individual Sensor Control of each urinal bowl.](#)

Wall recessed sensor

fit sensor at waist / chest height directly above each urinal bowl

Do you want to use cisterns?

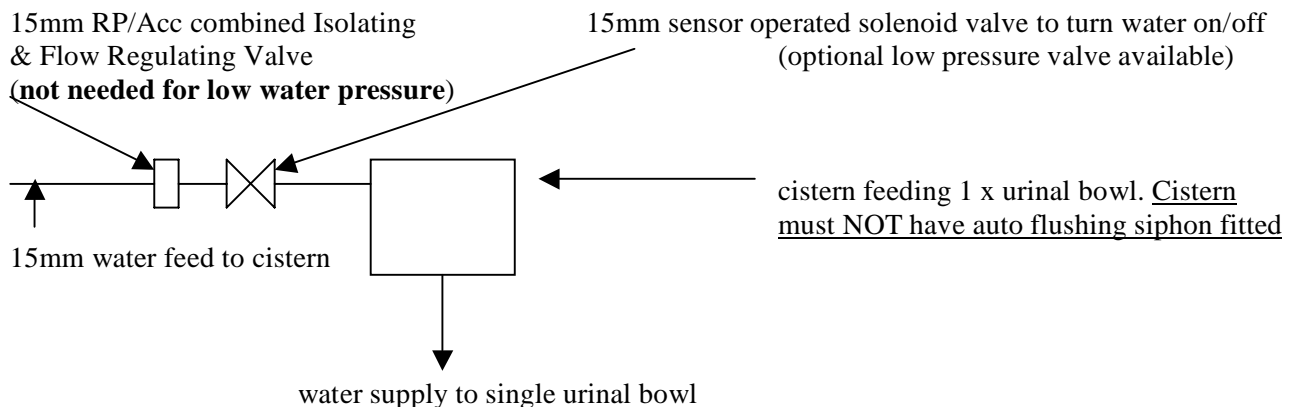
The current regulations say that you do not have to use cisterns provided that you use DC Pipe Interrupters instead. We can supply these if required. Please see page 2 of these instructions for layout.

USING CISTERNS:- [If you are going to use cisterns you must NOT fit auto flushing siphons.](#)

Option 1)

If each urinal bowl has its own small cistern, fit one of our solenoid valves on to the inlet pipe that feeds each cistern. The cistern now effectively acts as an airbreak and does not (cannot) hold any water storage. The water will now simply go immediately down the cistern directly into each urinal bowl.

NB: If you have high water pressure (ie pumped or off the mains water supply with more than about 1 bar) you **MUST** also specify and use one of our water flow regulators (model 15mm RP/Acc) to control the water flow rate into each cistern. If you do not use these flow regulators water can fly out of the cistern and cause leaks etc. If you have low water pressure you must not use the flow regulator and we also need to know what the water pressure will be where our solenoid valve is to be fitted. **Please specify what the water pressure is where our solenoid valve is to be fitted.**



see page 2

Option 2)

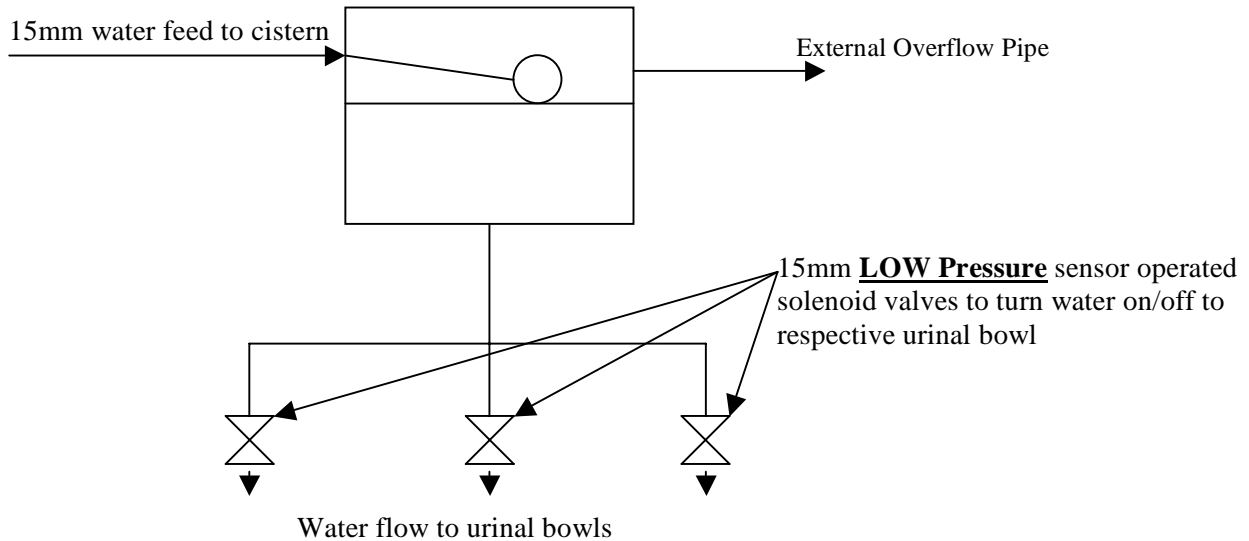
If you are using 1 No. larger cistern to supply water to a number of urinal bowls you should fit a ballvalve into the cistern so it effectively acts as a storage tank. Fit one of our very low water pressure solenoid valves on to each of the sparge pipes going from the cistern to the urinal bowls.....fit our solenoid valves as close as possible to the urinal spreader end of the sparge pipe. This will maximise the water pressure at the valve.

Normally in this case you will need low pressure solenoid valves (as the distance between the bottom of the cistern and where our valves will be fitted is normally only a matter of a few feet/metres). Please specify the distance between the bottom of the cistern and where our valves will be fitted.

NB: The Low Pressure Solenoid Valves we supply have the following Flow: Pressure ratings

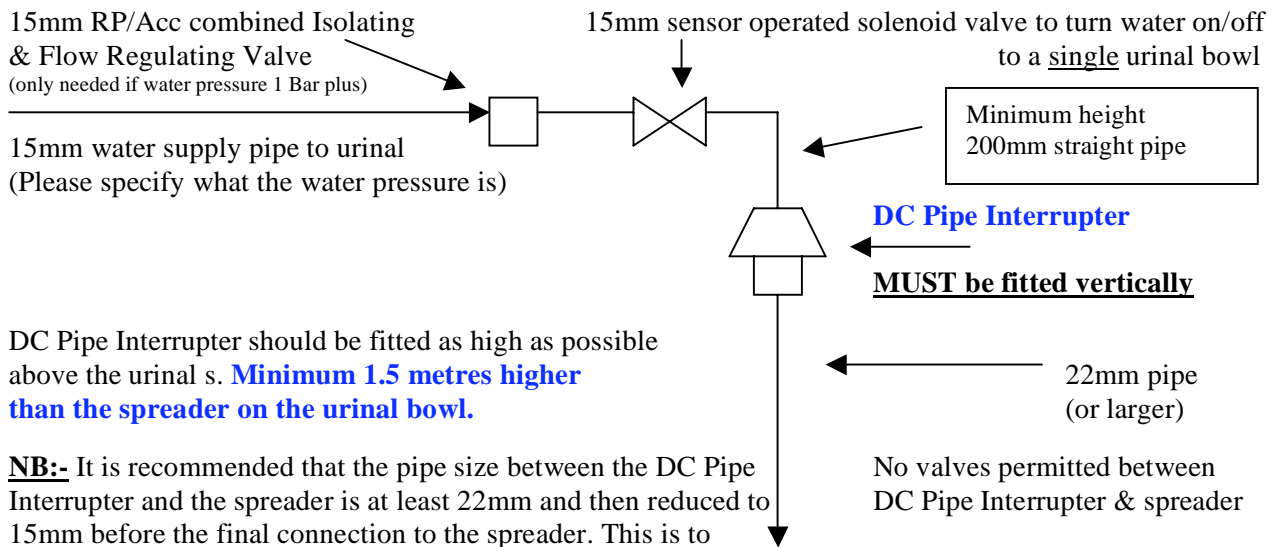
- 0.1 bar approx 4.3 Litres per Minute (Lpm)
- 0.2 bar approx 6 Lpm
- 0.3 bar approx 7.5 Lpm

Ensure the cistern is fitted high enough to obtain any minimum required flow rate for the urinal bowl. (1 metre head = approx 0.1 bar water pressure). Please also check whether the spreader on your urinal bowl requires a minimum water pressure to operate (as some will not operate with low water pressure).



NOT USING CISTERNS?

use DC Pipe Interrupters as per WRAS guidance



DC Pipe Interrupter should be fitted as high as possible above the urinal s. **Minimum 1.5 metres higher than the spreader on the urinal bowl.**

NB:- It is recommended that the pipe size between the DC Pipe Interrupter and the spreader is at least 22mm and then reduced to 15mm before the final connection to the spreader. This is to help reduce the risk of water back filling up the pipe & spilling.