Gentworks

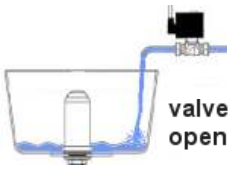
Example of how DVS and Marnic PIR flush controllers work

09:10 A user approaches urinals and is detected by sensor

- Sensor stops watching for new users
- Starts timer for preset ***delay*** time. In this example, the delay has been set for 15 mins.

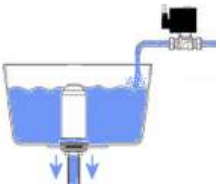
After the first detection, further users approaching urinals are ignored.

09:25 Delay time has expired, so flush controller sends an electric pulse through the connecting cable to the solenoid valve. The valve opens and the cistern begins to fill.



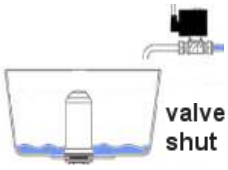
- Valve stays open for preset ***cistern fill*** time. In this example the ***cistern fill*** time has been set to 5 mins - i.e the length of time it takes to fill this particular cistern.

09:30 The cistern is full so it flushes.automatically - almost all urinals use auto-siphon cisterns that flush once full.

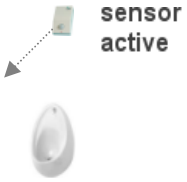


Then….

- Flush controller sends a pulse to close the solenoid valve



- Sensor starts to look for the next user



When another user is detected by the sensor, the cycle begins again.

After 12 hours, If nobody has been detected, the flush controller opens the valve for the ***cistern fill*** period to action a single flush. This is to ensure the traps remain full of water and the risk of odours is therefore reduced.