

# Product Specification

## TDV-100

### Timed Discharge Water Valve

The TDV-100 timed discharge water valve opens a solenoid valve at fixed intervals to dose a preset volume of water. Developed in collaboration with public health engineers, the TDV-100 water valve helps minimise stagnation of water.

Additional applications include refreshing dead leg pipes to rarely or unused pipes in unoccupied parts of buildings and to replenish seals in traps, gullies and drains compensating for loss of water due to evaporation.

The TDV-100 water valve control is supplied ready wired and is simple to install & setup with clearly marked controls to set the necessary parameters.

If you need to save time on site and can provide us with the settings, we'll set the on and off times for you. Just let us know.



 Saving more than water

#### Product Code

TDV-100- $\frac{1}{2}$ "

#### Features

- ◆ Dosing volume and interval easily adjusted
- ◆ Timing ranges from 0.1 seconds to 100 hours
- ◆ Fail safe Normally Closed WRAS solenoid valve
- ◆ 12 - 240VAC/DC (50/60HZ) power options
- ◆ Prewired - easy to install
- ◆ Manufactured in the UK

#### Specifications

Dosing Volume / Interval	To meet all needs the on (valve opening time) and the off (interval) is adjustable from 0.1 seconds to 100 hours
Solenoid valve	Brass Normally Closed (fail safe), $\frac{1}{2}$ " British Standard Pipe (BSP) female threads, 13.5mm orifice, pressure range 0.35 - 10 Bar, WRAS approved. Please contact us for alternative valve sizes.
Timing options	The default sequence: on - off - on - off - on. By breaking or removing the internal yellow wire link, the sequence can be changed to off - on - off - on - off.
Power supply	The TDV-100 can be operated from 12 - 240VAC/DC (50/60HZ). Please note that the solenoid valve coil must match the supply voltage and vice versa
Cables	Power and valve cables are supplied to a nominal 2m length. Core size is 0.75mm <sup>2</sup>
Enclosure	Size 148 x 88 x 41mm (excluding cable glands) in white PVC

## Technical Specification

Dosing volume & frequency	The valve opening time and the interval between doses is user adjustable from 0.1 seconds to 100 hours
Solenoid valve	Brass normally closed (fail safe), 1/2" BSP female threads, 13.5mm orifice, pressure range 0.35 - 10 Bar. Please contact sales dept for additional valve sizes
Timing options	Default sequence: dose - interval - dose - interval - dose. By breaking an internal link the sequence can be changed to: interval - dose - interval - dose - interval
Internal status LED	Open / closed status of valve. Blinks to show timing
Power supply	240v AC 50 Hz 10VA maximum, other AC & DC versions available
Cables	Power and valve cables are supplied to a nominal 2 m length. Other lengths to order
Enclosure	Size 148 x 88 x 41mm, (excluding glands) in white PVC

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