Electronic Water Control Systems – Flushtronic

Scope of Use / Specification Sheet

The Flushtronic detects the presence of users and automatically controls flushing of single or wide trough urinals for maintenance of hygiene.

**Product Code**

<table>
<thead>
<tr>
<th>Model</th>
<th>Catalogue Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Mount Wide Stall</td>
<td>7685</td>
</tr>
<tr>
<td>Surface Mount Single Stall</td>
<td>7675</td>
</tr>
<tr>
<td>Inset Mount Wide Stall</td>
<td>7690</td>
</tr>
<tr>
<td>Inset Mount Single Stall</td>
<td>7680</td>
</tr>
</tbody>
</table>

**Features and Benefits**

- Maintains hygienic conditions
- Saves water by controlling the time, frequency and volume of water used in flushing
- Flushing duration and other parameters are easily set
- Automatically flushes six hours after non-use to ensure compliance with regulations
- Simple plug-in connectors allow easy installation
- Spare parts readily available
- Replaces urinal cistern
- Overhead passive infra-red sensor
- Low power consumption

**Description**

The single stall Flushtronic may be used with stalls up to 600mm wide. The wide trough Flushtronic may be used with troughs up to 2400mm wide. For wider troughs, two or more systems can be installed.

Flushtronic systems include a Y-strainer which must be installed upstream of the solenoid valve. A flush pipe air gap fitting and integrated programmed controller are also included.

**Application**

The Flushtronic is ideal for use in schools, universities, airports, night clubs, railway stations, factories, theatres, hospitals, sporting clubs, hotels, and restaurants.

As a user approaches, the infra-red passive sensor triggers a solenoid valve for a half flush to wet the urinal, preventing splash back. Depending on whether other users arrive within a short period of time, the controller activates the appropriate flushing operation in line with optimum use of water, maintenance of hygiene, and suppression of unpleasant odours.
Electronic Water Control
Systems – Flushtronic

Materials

<table>
<thead>
<tr>
<th>Item</th>
<th>Dimensions HxWxD (mm)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solenoid Valve</td>
<td>80 x 50 x 30 Lead – 500</td>
<td>Soft Closing</td>
</tr>
<tr>
<td>AC/DC Adaptor</td>
<td>75 x 65 x 65 Lead – 3000</td>
<td>240V AC/12V DC 1AMP</td>
</tr>
<tr>
<td>Sensor - surface</td>
<td>100 diam. x 30 Lead - 2500</td>
<td></td>
</tr>
<tr>
<td>Sensor - inset</td>
<td>90 diam. ext. / 70 diam. int. x 50 Lead - 2500</td>
<td></td>
</tr>
<tr>
<td>Combination Valve</td>
<td>60 x 50 x 30</td>
<td>DR Brass</td>
</tr>
</tbody>
</table>

Flushtronic Connection Guide

A  Power adaptor
B  Infrared Sensor
C  Solenoid Valve G½ x G½
D  Flushtronic Solenoid Adaptor G½ x DN20 CN
E  300mm Flexible Hose G½ x G½
F  Union Hexagon Nipple R½ X R½
G  Combination isolating, strainer and non-return valve Rp½ x Rp½

Product Specifications

- **Water pressure range**: 50 to 800kPa
- **Recommended operating pressure**: 150 to 500kPa
- **Water control**: 15mm solenoid valve, normally closed
- **Sensing**: Infra-red sensor, passive

Installation

Installation is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500.1.

Inspect for leaks after installing and before concealing.

Standards and Approvals

- AS 1172.2
- WM-022016

Warranty

Reliance Worldwide Corporation (Aust.) Pty. Ltd. (RWC) will either replace or repair any defective goods where the defect arose as a result of manufacture within the warranty period. You may contact RWC at the phone number, address or e-mail shown below for further information or to make a claim.