flushing systems

SMART CHOICES FOR HYGIENE AND WATER EFFICIENCY
BUILT IN VANDAL RESISTANCE

- Toilet Flushing Systems
- Urinal Flushing Systems
Neat and reliable WC flushing solutions for demanding applications using piezo electric technology.

Enware's flushing solutions are a smart choice for hygiene and water efficiency — Using the latest technological advances including a variety of functional options. With robust piezo operation and mains power it is ideal for demanding applications such as public washrooms, sports grounds, aquatic centres or aged care facilities. Designed to allow for full access to the flushing components whilst still incorporating a high level of tamper-proof security.

- Robust piezo operation
- Isolation valve included
- Vandal resistant torx screws
- ATSS200.020 Compliant
- Low maintenance
- Integral inlet strainer and air break
- No cistern fill time

**Product details in this guide are indicative only and may change without notice.**

**water efficiency**

Enware touch activated flushing systems come with varying WELS water efficiency ratings.

**Dual Flush systems** have the choice of 3 or 4 Star WELS ratings

**Single flush systems** have a 1 Star WELS rating

**technical information**

- **Connection:** Inlet - 1" BSP (25mm)
  Outlet - 1½" BSP (40mm)

- **Minimum Water Supply Line Size:** 1" (25mm) copper pipe

- **Mains Powered:** 24V AC Transformer

- **Kv Factor:** 8.3m3/h

- **Flush Pipe:** 700mm (+/- 100mm) of 1 ½" (40mm) flush pipe is required below the air break. (Note: use a maximum of 1x90° bend is to be used in the flush pipe. 45° bends are preferred. For installation outside of this parameter please contact your Enware representative.)

**RELATED PRODUCTS**

- Urinal Flushing — Page 255
- Sanitary Ware — Page 329
- Electronic Touch Button and Sensor Tapware — Page 239

**SINGLE FLUSH**

- Water Supply Working Pressure:
  250kPa* Pan: 5.5L Capacity (1 Star)

**DUAL FLUSH**

- Water Supply Working Pressure:
  300kPa* Pan: 6/3L Capacity (3 Star): 4.5/3L Capacity (4 Star)

Enware products are to be installed in accordance with AS/NZS3500.
Utility/WC Flushing System with Touch Activation
— Single Flush Duct Access
EMF400M-1  Mains Powered — 1 Star WELS rating

Utility/WC Flushing System with Touch Activation
— Single Flush Front Access
EMF401M-1  Mains Powered — 1 Star WELS rating

WC Flushing System with Touch Activation
— Dual Flush Front Access
EMF411M-3  Mains Powered — 3 Star WELS rating
EMF411M-4  Mains Powered — 4 Star WELS rating

Spare Parts For WC Flushing Systems
EMFS301  Electronic Flushing Piezo — Half Flush
EMFS302  Electronic Flushing Piezo — Full Flush
EMFS303  Solenoid Valve 3/4” BSP F-F 2AV AC
EMFS305  Y-Strainer with Ball Valve 3/4” BSP F-F
EMFS306  Olive Rubber to suit 40mm Flush Pipe
EMFS307  Piezo Spade Connector for Piezo Dual Flush System
EMFS308  Filter to suit 3/4” BSP Y-Strainer with Ball Valve
EMDS800  Transformer 24V AC with 1.8m lead
EMDS801  2m Extension for power pack
WC Flushing System with Touch Activation — Dual Flush Rear Access
EMF410M-3  Mains Powered — 3 Star WELS rating
EMF410M-4  Mains Powered — 4 Star WELS rating

WC Dual Flush Duct With Extended Tail
EMF412M-3  3 Stars WELS Rating
EMF412M-4  4 Stars WELS Rating

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Urinal flushing systems

Using the latest hands-free and touch button technology with built in functional options designed to achieve optimum hygiene and water efficiency.

Ideal for demanding applications such as commercial, industrial and institutional applications including washrooms, medical facilities, shopping centres and schools. Designed to minimise excessive water use, reduce maintenance and maximise hygiene in public and other frequently used urinals — whilst still incorporating tamper-proof security. All models have been designed to achieve optimum water efficiency by having water delivered only as required after use, or on an programmed basis.

Touch button activation

- Robust piezo operation
- Semi concealed installation
- Vandal resistant 30mm touch button
- Isolation valve and filter included
- Mains power 24V
- Optional sentinel flushing 12 or 24 hours request when ordering
- Large face plate option for front access
- Small GPO style face plate or button style for duct access

Water efficiency

TOUCH BUTTON SYSTEMS

*350kPa required to achieve WELS rating on these models.

Technical information

<table>
<thead>
<tr>
<th>Water Supply Pressure:</th>
<th>350kPa (operational)</th>
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<tbody>
<tr>
<td>Minimum Water Supply Line Size:</td>
<td>¼&quot; (20mm) copper pipe</td>
</tr>
<tr>
<td>Mains Powered:</td>
<td>24V AC Transformer</td>
</tr>
<tr>
<td>Kv Factor:</td>
<td>0.42 Kv</td>
</tr>
<tr>
<td>Connection:</td>
<td>½&quot; BSP (15mm)</td>
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</table>

To ensure that the unit works correctly, it is important to ensure that the site and location of installation meets the hydraulic requirements of AS/NZS 3500.1. Also there must be:

- Minimum 20mm copper supply line for 1 stall or up to 450mm wall space. 600mm of wall space may require 25mm supply
- Minimum 200kPa for valve to operate NOTE: WELS Flush Volume only achieved at 350kPa
- No more than 1 valve per urinal OR 600mm wall space
- Flush valve must be no more than 2m above ground level
- Flush valve should be installed min 300mm above wall hung urinals and 450mm above continuous wall urinals

*For ATS5200.020 compliance air break EMFS10 must be used
hands free sensor activated

- Concealed ceiling or wall installation for a quick, neat and vandal resistant finish
- Microwave movement sensor, detects through most low to medium density building materials*
- Easy to adjust sensor beam can be customised to suit your application
- Flushes 50 seconds after user movement is detected
- Sensor deactivates for 20 seconds to minimise water wastage
- Air break included
- WELS 3 Star (2 Litres/flush) water efficiency rating

Stop Valve  
Solenoid Valve and Air Break Valve  
Flush Pipe 1m of 1½" (40mm) flush pipe is required below the air break**

Urinal  
Ceiling  
Detector & Control Module  
Power Point

*The microwave movement sensor can detect through most low to medium density building materials such as plaster, fibre board and some light masonites, but not metal. Each material affects the beam strength, which can be adjusted on site to suit the application. Unobstructed the beam ranges from approximately 70cm (deep) x 50cm (wide) up to 3m x 3m in a teardrop shape.

**Note: use 1x90° bend after solenoid.

Order Code: EMF303M-3
Mains Powered

WaterMark
ATS5000.030 CofC 60042
AGA

WaterMark
ATS5000.030 CofC 48118
Global-Mark

technical information

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<td>Connection</td>
<td>Inlet ½&quot; BSP (15mm)</td>
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Refer to TDS (available at www.enware.com.au) for specific requirements concerning site and installation requirements. Enware products are to be installed in accordance with AS/NZS3500.
**sensor activated urinal with inbuilt flushing**

**IFO 0.8 SENSOR URINAL**
A porcelain urinal with a hygienic integrated sensor activated flushing system.

- Consumes only 0.8 L/flush including pre and post flush
- Pre flush; a small dose of water wets the bowl, activation delay of 2 seconds
- Post flush activated 2 seconds after user has moved away from urinal
- Smart ‘Stadium Mode’ recognises frequent use and switches to one post flush every 3 minutes. Returns to ‘Normal Mode’ after 1 minute of non-use
- Battery-operated flush system with 4 easily replaceable AA 6V batteries
- 40mm adjustable bottle trap included
- Automatic hygiene flush after 24 hrs of no activity to maintain water/odour seal
- No need for electrical wiring or a cistern
- Optional anti-vandal cover

**related products**
Toilet (WC) Flushing — Page 252
Sanitary Ware — Page 329
Electronic Touch Button and Sensor Tapware — Page 239
Urinal Flushing System with Microwave Sensor
EMF303M-3 3 Stars WELS Rating

Urinal Flushing System with Touch Activation — Rear Access
EMF304M-3 3 Star WELS rating

Urinal Flushing System with Touch Activation — Slim Button Style
EMF305M-3 3 Star WELS rating

Urinal Flushing System with Touch Activation — Front Access
EMF307M-3 3 Star WELS rating

Spare Parts For EMF300 Urinal Flushing Systems
EMFS10  Vacuum Breaker to Suit Urinal Flushing
EMFS300  Electronic Flushing Piezo — Urinal
EMFS304  Ball Valve 1/2” BSP M-F DR Brass

Spare Parts For EMF303 Microwave Sensor Flushing System Only
EMFS805  Spare Part — Transformer — Suits EMF303 only
EMFS819  Spare Part — Microwave Sensor Only — to suit EMF303

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