

flushing systems

SMART CHOICES FOR HYGIENE
AND WATER EFFICIENCY
BUILT IN VANDAL RESISTANCE

- Toilet Flushing Systems
- Urinal Flushing Systems

toilet 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
- ATS5200.020 Compliant
- Low maintenance
- Integral inlet strainer and air break
- No cistern fill time



- public washrooms
- sporting grounds
- aquatic centres
- aged care
- shopping centres



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

RELATED PRODUCTS

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

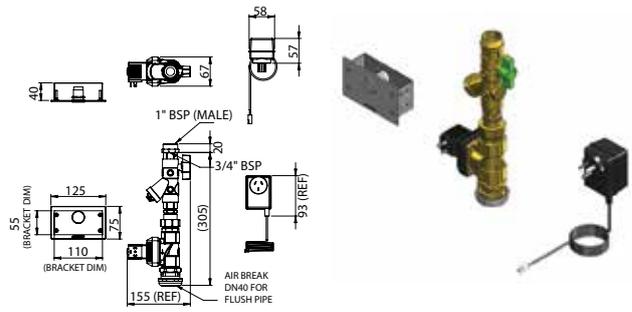
technical information

| | |
|--|--|
| 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 1½" (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. |
| SINGLE FLUSH | DUAL FLUSH |
| Water Supply Working Pressure: 250kPa* Pan: 5.5L Capacity (1 Star) | 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.

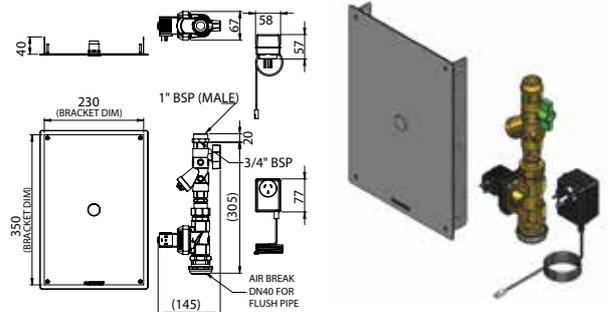
**Utility/WC Flushing System with Touch Activation
— Single Flush Duct Access**

EMF400M-1 Mains Powered — 1 Star WELS rating



**Utility/WC Flushing System with Touch Activation
— Single Flush Front Access**

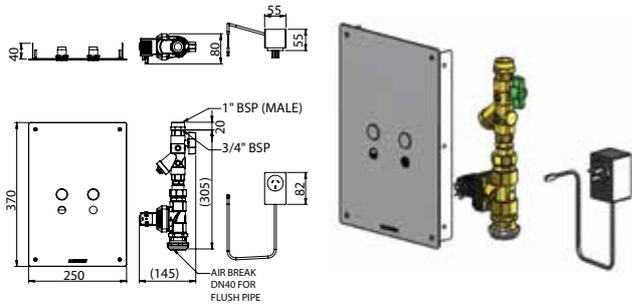
EMF401M-1 Mains Powered — 1 Star WELS rating



**WC Flushing System with Touch Activation
— Dual Flush Front Access**

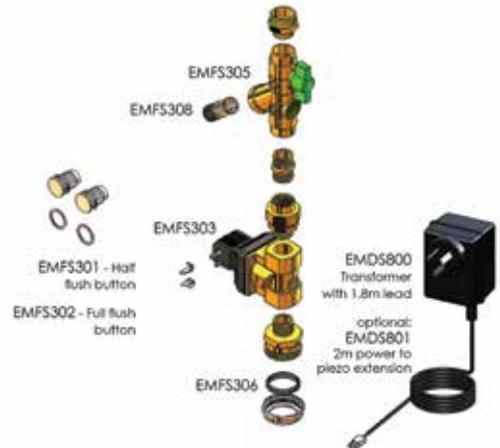
EMF411M-3 Mains Powered — 3 Star WELS rating

EMF411M-4 Mains Powered — 4 Star WELS rating



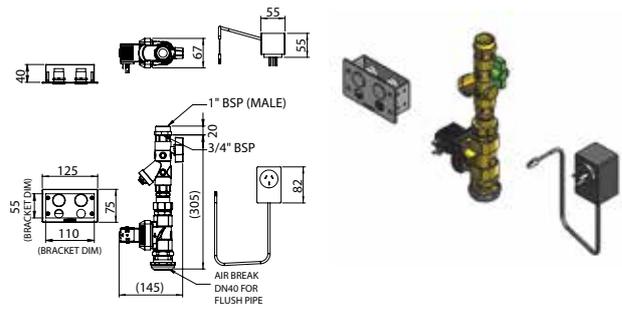
Spare Parts For WC Flushing Systems

- 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



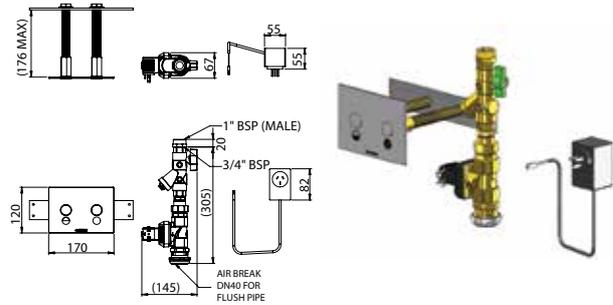
WC Flushing System with Touch Activation — Dual Flush Rear Access

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



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 a programmed basis.



commercial, industrial & institutional washrooms

medical facilities

shopping centres

schools

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.



WaterMark

ATS5200.030 CofC 60042
AGA



WaterMark

ATS 5200.020 Cof C 40116
Global-Mark

*For ATS5200.020 compliance air break EMFS10 must be used

technical information

| | |
|---------------------------------|-----------------------|
| Water Supply Pressure: | 350kPa (operational) |
| Minimum Water Supply Line Size: | ¾" (20mm) copper pipe |
| Mains Powered: | 24V AC Transformer |
| Kv Factor: | 0.42 Kv |
| Connection: | ½" BSP (15mm) |

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

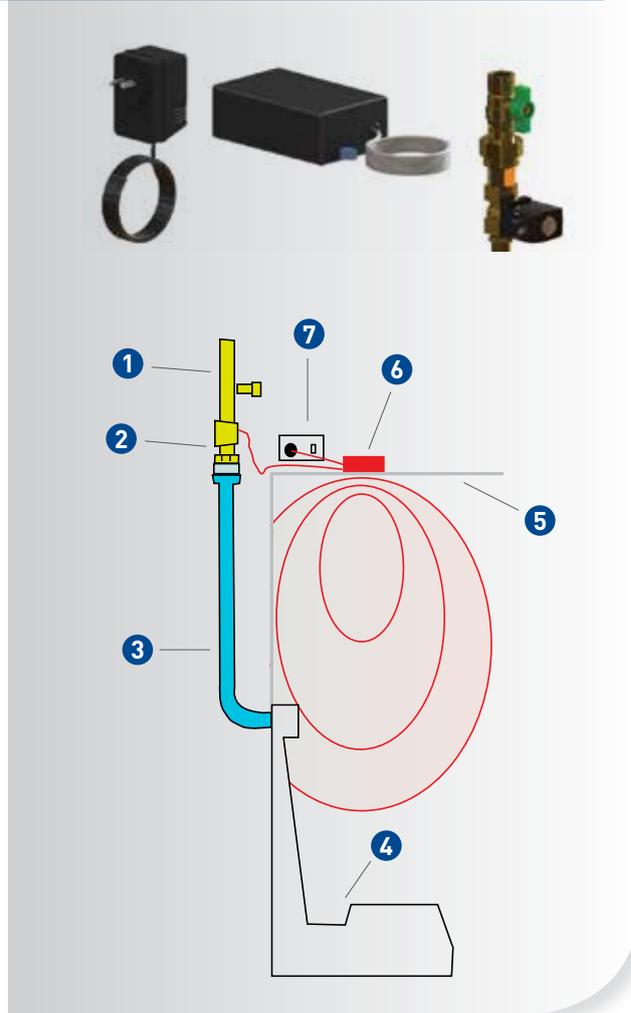
- 1 Stop Valve
- 2 Solenoid Valve and Air Break Valve
- 3 Flush Pipe 1m of 1½" (40mm) flush pipe is required below the air break**
- 4 Urinal
- 5 Ceiling
- 6 Detector & Control Module
- 7 Power Point

*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



water efficiency



technical information

| | |
|---------------------------------|---------------------|
| Minimum Water Supply Line Size: | ¾" (20mm) |
| Mains Powered: | 24V AC Transformer |
| Water Supply Pressure: | 350kPa |
| Connection: | Inlet ½" BSP (15mm) |

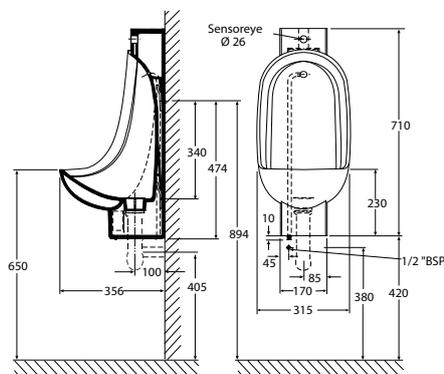
Refer to TDS (available at www.enware.com.au) for specific requirements concerning site and installation requirements. Enware products are to be installed in accordance with AS/NZS3500.

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



water efficiency



Order Code:

IFO4134

Sensor urinal with back inlet



WaterMark

AS/NZS 3982
ATS 5200.020
WMKA 22087

technical information

| | |
|------------------------|--------------------------------------|
| Water Supply Pressure: | 50-500kPa Max (PCA)* |
| Water Inlet Size: | 1/2" flexible hose connection |
| Battery Powered: | 6V - 4x AA 1.5V batteries |
| Volume per flush: | 0.8 litre (incl. pre and post flush) |

*Enware products are to be installed in accordance with AS/NZS3500.

RELATED PRODUCTS

Toilet (WC) Flushing — Page 252

Sanitary Ware — Page 329

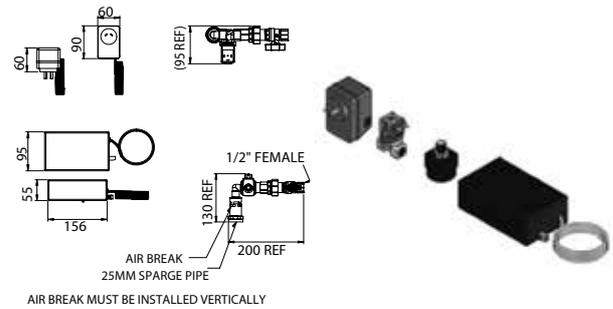
Electronic Touch Button and Sensor Tapware — Page 239

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Urinal Flushing System with Microwave Sensor

EMF303M-3

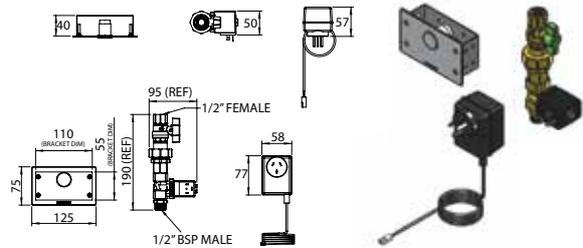
3 Stars WELS Rating



Urinal Flushing System with Touch Activation — Rear Access

EMF304M-3

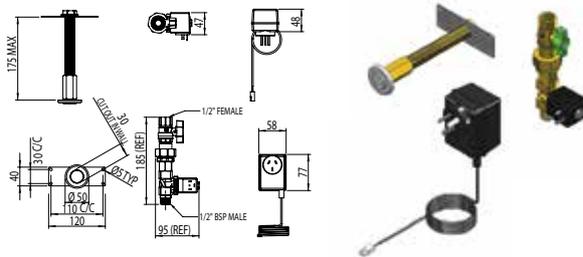
3 Star WELS rating



Urinal Flushing System with Touch Activation — Slim Button Style

EMF305M-3

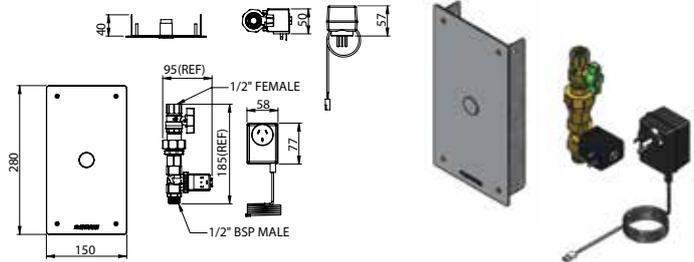
3 Star WELS rating



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