



security and detention facility solutions

HEAVY DUTY CONSTRUCTION
VANDAL RESISTANT
ANTI-LIGATURE DESIGN
WATER & ENERGY EFFICIENT

 **ENWARE**

installing **confidence**

www.enware.com.au

robust range of secure tapware, showers and flushing systems for high risk environments

ENWARE AUSTRALIA'S DETENTION TAPWARE AND SHOWER SYSTEMS PROVIDE THE HIGHEST LEVEL OF SECURITY WITH THE USE OF VANDAL RESISTANT AND ANTI-LIGATURE FEATURES.

The extensive range incorporates a smooth, clean finish with minimal horizontal surfaces and eliminates concealed spaces. Enware can also customise products to meet the specific needs of your facility.

Solutions to suit all applications are available, from high risk, high-security through to minimum security, day detention, and mental health facilities.

SELECTING A SYSTEM FOR YOUR FACILITY:

Enware delivers three distinct ranges to meet your functional requirements:

- Manually operated tapware
- Enmatic electronic touch activated tapware
- Water Management System (WMS) – a total operational and control solution



OPTIONS

PG

	<p>AUTOMATIC SHUT OFF TAPWARE - SPRING ACTION OR TIME FLOW</p> <p>Spring Action Utilises a proven self closing spring action assembly valve. Water flow ceases when the operating mechanism is released by the user.</p> <p>Time Flow Hydraulically controlled flow of water with approximately 3, 7, 15 or 30 seconds delay depending on unit specified. Preferred for hand washing (dedicated or combination systems) and shower facilities.</p>	3
	<p>MANUALLY OPERATED TAPWARE</p> <p>Anti-ligature design with quarter turn ceramic disc headworks. Identification buttons available in Cold, Warm or Hot to suit application.</p>	4
	<p>SHOWER MODULES</p> <p>Stainless steel pre-plumbed shower modules with anti-ligature design and integrated soap holder.</p>	4
	<p>OUTLETS AND SHOWERS</p> <p>Basin Outlets Anti-vandal, water efficient outlets for bench and wall mounting.</p> <p>Shower Roses Anti-ligature, anti-vandal shower heads for wall or ceiling mounting.</p>	5
	<p>ELECTRONIC TOUCH ACTIVATED</p> <p>Electronic controls to operate basins, showers or toilet flushing. Automatic shut-off via solenoid allows accurate programmable timings and other operational controls such as time-out delays. Choose single or multi- function touch pads. Water Management System compatible.</p>	6
	<p>WATER MANAGEMENT SYSTEMS (WMS)</p> <p>Enware's Water Management System can be customised to meet your application requirements. Combined with electronic tapware the WMS provides total operational control from a PC in your correctional facility.</p>	7

WATER EFFICIENCY

ENWARE AUSTRALIA HAS USED THE PERFORMANCE CRITERIA OF:

- AS/NZS6400 – Water Efficient Products – Rating and Labelling
- AS/NZS3718 – Tapware
- AS/NZS3662 – Showers

as the benchmark for our water efficient product performance.

The pressure compensating flow control technology included in Enware's product, ensures consistent flow rate delivery across the pressure band from 150 kpa - 500 kpa with minimal deviation.



TAPWARE

Enware provides a choice of WELS options to best suit your application requirements. For more details please refer to page 8.



SHOWERS

WELS 3 Star (7.6 lpm) water efficiency rating supplied as standard.



FLUSHING

Enware provides WELS registered flushing systems for both: Half/Full Flush and Full Flush only. Please refer to page 7 for product details and for WELS information.



Enware Tapware is manufactured to the exacting WaterMark standard AS/NZS3718 and AS4020.

AUTOMATIC SHUT OFF – SPRING ACTION OR TIME FLOW

DETENTION PUSH BUTTON SELF-CLOSING BASIN ASSEMBLY - RIGHT ANGLE BODY

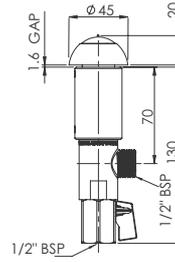
- Suits stainless steel fixtures
- Complete with regulator

Order Code:

DET601R - Spring Action

DET603R - Time Flow (15 seconds supplied standard*)

*Also available in 3 or 7 second delay - specify when ordering



DETENTION PUSH BUTTON SELF-CLOSING BASIN ASSEMBLY - STRAIGHT BODY

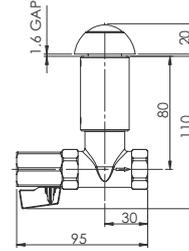
- Suits stainless steel fixtures
- Complete with regulator

Order Code:

DET601 - Spring Action

DET603 - Time Flow (15 seconds supplied standard*)

*Also available in 3 or 7 second delay - specify when ordering



DETENTION PUSH BUTTON SPRING ACTION VALVE - RIGHT ANGLE BODY

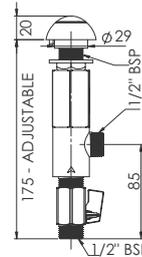
- To suit ceramic fixtures

Order Code:

DET601RC - Spring Action

DET603RC - Time Flow (15 seconds supplied standard*)

*Also available in 3 or 7 second delay - specify when ordering



DETENTION PUSH BUTTON & BASIN OUTLET ASSEMBLY - RIGHT ANGLE BODY

- Suits Stainless Steel Fixtures

Order Code:

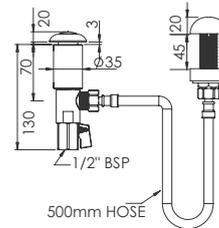
DET687 - Spring Action

DET688 - Time Flow (15 seconds supplied standard*)

*Also available in 3 or 7 second delay - specify when ordering.

WELS 4 Star (8 lpm) water efficiency rating supplied as standard

Also available in 3 (9.5 lpm) 5 (6 lpm) and 6 (6 lpm) Star ratings



DETENTION PUSH BUTTON & BASIN OUTLET ASSEMBLY - STRAIGHT BODY

- Suits stainless steel fixtures

Order Code:

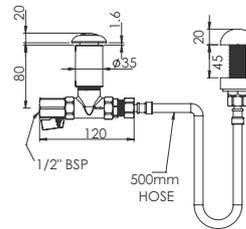
DET685 - Spring Action

DET686 - Time Flow (15 seconds supplied standard*)

*Also available in 3 or 7 second delay - Specify when ordering

WELS 4 Star (8 lpm) water efficiency rating supplied as standard

Also available in 3 (9.5 lpm) 5 (6 lpm) and 6 (6 lpm) Star ratings



DETENTION PUSH BUTTON BASIN ASSEMBLY - EXTENDED

- To suit wall thickness up to 280mm

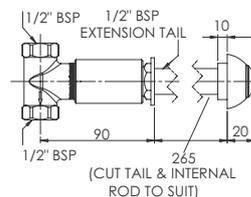
Order Code:

DET650 - Spring Action

DET651 - Time Flow (15 seconds*)

DET653 - Time Flow (30 seconds)

*Also available in 3 or 7 second delay - Specify when ordering

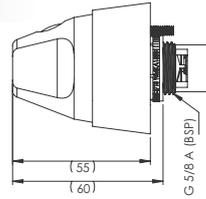


MANUAL TAPWARE

DETENTION RECESS ADAPTOR

- Quarter turn ceramic disc

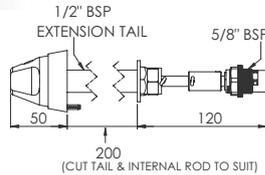
Order Code:
DET608



DETENTION EXTENDED RECESS ASSEMBLY

- To suit wall thickness up to 280mm
- Quarter turn ceramic disc

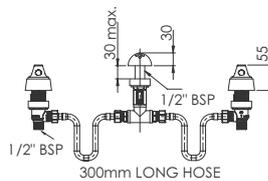
Order Code:
DET618



DETENTION BASIN SET WITH DET619 OUTLET

- Supplied standard with 300mm stainless steel flexible hoses
- Available with low profile handles on request*

Order Code:
DET306T - With DET619 High Flow Over 4 lpm for Warm Water supplied via a TMV
DET306W - With DET617 Low Flow up to 4 lpm



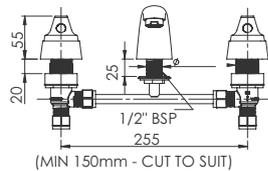
WELS 3 Star (8 lpm) water efficiency rating supplied as standard
Also available in 2 (9.5 lpm) and 5 (6 lpm) Star ratings

SECURITY BASIN SET WITH SP003 OUTLET

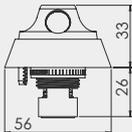
- Available with low profile handles on request*

Order Code:
DET306

WELS 3 Star (8 lpm) water efficiency rating supplied as standard
Also available in 2 (9.5 lpm) and 5 (6 lpm) Star ratings



*Low Profile Handle, non-standard. Please specify when ordering.



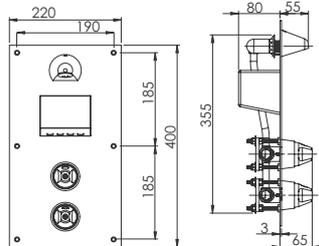
SHOWER MODULES

DETENTION SHOWER MODULE

- Dual control - warm and cold mixing
- Stainless steel mounting plate
- Integrated soap holder

Order Code:
DET649

WELS 3 Star (7.6 lpm) water efficiency rating supplied as standard

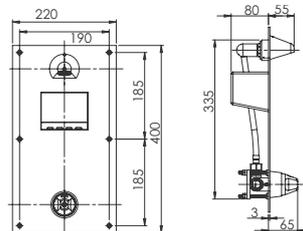


DETENTION SINGLE TEMPERATURE SHOWER MODULE

- Single control - warm or cold
- Stainless steel mounting plate
- Integrated soap holder

Order Code:
DET648

WELS 3 Star (7.6 lpm) water efficiency rating supplied as standard



OUTLETS – SHOWERS

DETENTION CONICAL SHOWER WALL MOUNTED

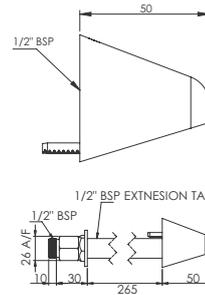
- 1800mm recommended installation height
- Anti-rotation pin
- Optional extended tail to suit wall thickness up to 280mm

Order Code:

DET660 - Shower Rose with Female 1/2" Inlet

DET661 - Shower Rose with extended tail

WELS 3 Star (7.6 lpm) water efficiency rating supplied as standard



DETENTION SHOWER CEILING MOUNTED

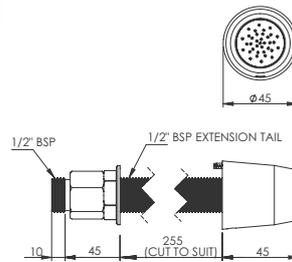
- Anti-rotation pin
- Extended tail to suit thickness up to maximum 255mm

Order Code:

DET664 - Shower Rose with Female 1/2" Inlet

DET665 - Shower Rose with extended tail

WELS 3 Star (7.6 lpm) water efficiency rating supplied as standard



OUTLETS

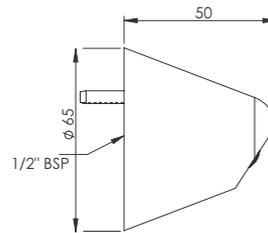
DETENTION BASIN OUTLET - WALL MOUNTED

- Anti-vandal aerator included

Order Code:

DET660B

WELS 3 Star (8 lpm) water efficiency rating supplied as standard
Also available in 2 (9.5 lpm) and 5 (6 lpm) Star ratings



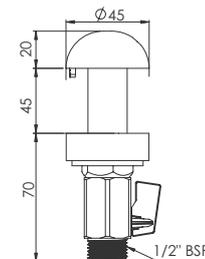
DETENTION BASIN/ BUBBLER OUTLET LOW FLOW - COLD ONLY

- Suits flow rates below 4 litres per minute

Order Code:

DET617

WELS 3 Star (8 lpm) water efficiency rating supplied as standard
Also available in 2 (9.5 lpm) and 5 (6 lpm) Star ratings



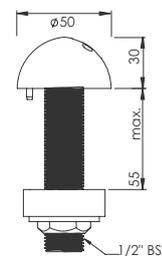
DETENTION BASIN OUTLET - WARM OR COLD

- Suits flow rates of 4 to 8 litres per minute for cold or warm water supplied via a TMV

Order Code:

DET619

WELS 3 Star (8 lpm) water efficiency rating supplied as standard
Also available in 2 (9.5 lpm) and 5 (6 lpm) Star ratings



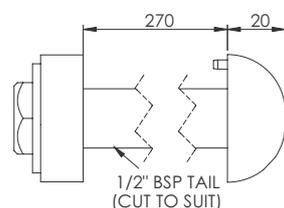
DETENTION BASIN BUBBLER OUTLET - EXTENDED TAIL

- To suit wall thickness up to 280mm
- Cold only

Order Code:

DET616

WELS 3 Star (8 lpm) water efficiency rating supplied as standard
Also available in 2 (9.5 lpm) and 5 (6 lpm) Star rating



ELECTRONIC TOUCH ACTIVATED TAPWARE, SHOWERS and WC FLUSHING

ENWARE ELECTRONIC TOUCH ACTIVATED TAPWARE PROVIDES A CONTROLLED AND RELIABLE INTERFACE WITH A GREATER LEVEL OF SERVICE AUTHORITY. THIS NON-OBTRUSIVE ROBUST PRODUCT REPLACES PROTRUDING TAPWARE WITH A COMPACT, VANDAL RESISTANT, LOW MAINTENANCE SOLUTION.

Touch activated Piezo technology eliminates moving parts. The vandal resistant design is well suited to correctional facilities and is also used in clubs, pubs, aquatic centres, beach side esplanades, council amenities and police facilities. These non-obtrusive products may also suit any self-harm installations such as psychiatric wards, detox clinics and similar high-risk environments.

FEATURES:

- Operating time frame from 3 seconds to 10 minutes with optional time-out periods and touch on - touch off capability
- The Piezo is fully programmable and adjustable after installation
- Flow times and user rules can be reprogrammed to suit your facilities changing needs
- IP68 waterproof rated Piezo control
- Can Integrate with Water Management Systems
- Pressure compensating flow regulation on Enware outlets helps conserve water

Piezo Programming Options

- Run time 3 seconds to 10 minutes
- Time Out 6 seconds to 10 minutes
- 24hr hygiene flush
- Touch off option

Etchings



ELECTRONIC TOUCH ACTIVATED TAPWARE - BASINS and SHOWERS

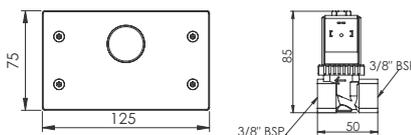
SINGLE BUTTON CONTROL KIT - FRONT ACCESS FOR IN WALL APPLICATION

- Stainless steel face plate, in wall mounting bracket
- Piezo button with 3/8" solenoid valve
- 24V AC power pack and 1.8m lead

Order Code:

EMD811 - Shower

EMD810 - Basin



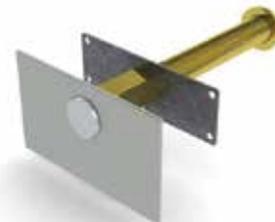
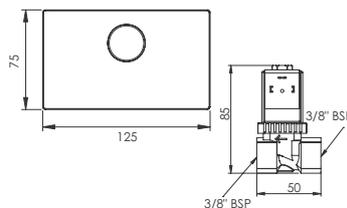
SINGLE BUTTON CONTROL KIT - REAR ACCESS FOR DUCT APPLICATION

- Rear fixing for additional vandal resistance
- Suitable for walls up to 150mm thick.
- Stainless steel face plate, rear access mounting bracket
- Piezo button with 3/8" solenoid valve
- 24V AC power pack and 1.8m

Order Code:

EMD811R - Shower

EMD810R - Basin



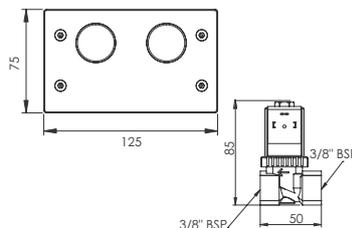
TWO BUTTON CONTROL KIT - FRONT ACCESS FOR IN WALL APPLICATION

- Allows for delivery of water to two fixtures or warm and cold control for one fixture.
- Stainless steel face plate, in wall mounting bracket
- 2 Piezo buttons with 3/8" solenoid valves*
- 24V AC power pack and 1.8m lead

Order Code:

EMD820

*For WC combination or custom options contact Enware for requirements
Contact Enware for this model with rear access for duct mounting



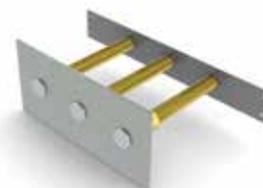
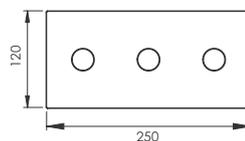
THREE BUTTON TOUCH PAD - REAR ACCESS FOR DUCT APPLICATION

- Remote – basin/shower and WC control module
- Stainless steel face plate, rear access mounting bracket
- 3 Piezo buttons with your chosen valve to suit application requirements
- 24V AC power pack and 1.8m lead.

Order Code:

EMD830 - Customised to suit requirements

Please contact Enware for customised requirements



ELECTRONIC TOUCH ACTIVATED WC FLUSHING

DUAL FLUSH - WC PIEZO MAINS POWERED HIGH SECURITY

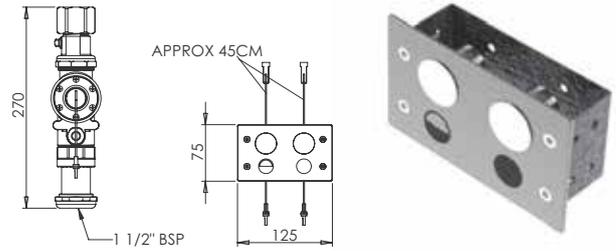
- Front access in-wall mounting
- Isolation valve and filter included
- AS/NZS 3500 compliant
- Duct mounting, rear access model available

Order Code:

EMF210M-3 - Mains powered (incl. 9V AC transformer)

EMF210B-3 - Battery operated (6 x AA incl. mounting box)

WELS 3 Star (6L full flush and 3L half flush) water efficiency rating



SINGLE FLUSH - WC FLUSHING SYSTEM WITH TOUCH ACTIVATION

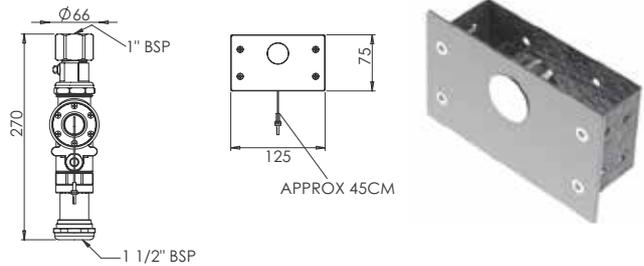
- Front access in-wall mounting
- Isolation valve and filter included
- AS/NZS 3500 compliant
- Duct mounting, rear access model available

Order Code:

EMF200M-1 - Mains powered (incl. 9V AC transformer)

EMF200B-1 - Battery operated (6 x AA incl. mounting box)

WELS 1 Star (5.5L flush) water efficiency rating



WATER MANAGEMENT SYSTEMS (WMS)

THE ENWARE WATER MANAGEMENT SYSTEM PROVIDES A PC BASED, OPERATING AND CONTROL SOLUTION.

This simple to operate system provides a reliable and controlled interface, offering a greater level of service authority from a secured computer.

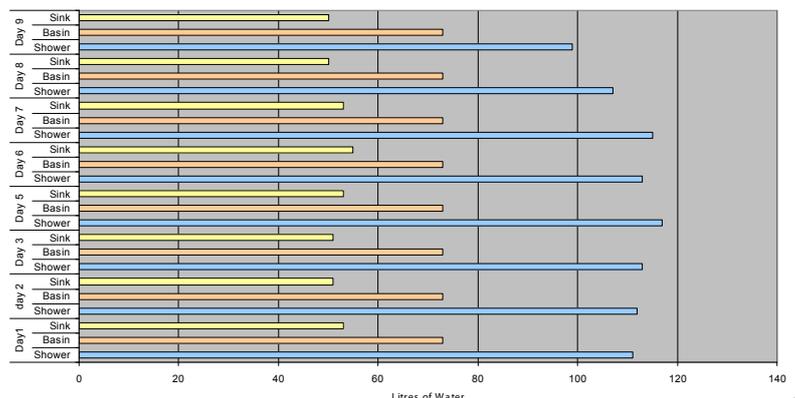
ENWARE'S WATER MANAGEMENT SYSTEM WILL:

- Control the supply of water to any fitting in any cell
- Quickly isolate the delivery of water to any fixture within a cell if required
- Enable isolation of a cell, cellblock or a cellblock wing
- Operates on a 24 hour cycle
- Provide complete flexibility to change fixture timing either individually or in groups - including run time and lockout periods
- Provide definable access and lockout periods for all fixtures
- Can be supplied with WELS rated anti-ligature outlets for a complete system
- Provide full password protection
- Can be scaled to accommodate growth
- Output usable data, such as water usage



DATA EXAMPLE

Total Volume for Block A (all cells)



FOR MORE DETAILED INFORMATION ON THE WATER MANAGEMENT SYSTEM CONTACT AN ENWARE REPRESENTATIVE ON 1300 369 273 OR E-MAIL INFO@ENWARE.COM.AU

TECHNICAL INFORMATION

AUTOMATIC SHUT OFF TAPWARE - SPRING ACTION OR TIME FLOW

- Spring Action:** Operating working pressure: 50–500 kPa*
- Time Flow:** Recommended Pressure - 350 kPa
Operating working pressure: Min 50 - Max 500kPa*
- Electronic:** Recommended Pressure - 350 kPa
- Touch Activated:** Operating working pressure: Min 50 - Max 500kPa*

Where applicable - WELS 4 Star (8 lpm) water efficiency rating supplied as standard.
Also available in 3 (9.5 lpm) 5 (6 lpm) and 6 (6 lpm) Star ratings.



MANUALLY OPERATED TAPWARE

- Operating working pressure:** 50–500 kPa*
- Where applicable - WELS 3 Star (8 lpm) water efficiency rating supplied as standard.
Also available in 2 (9.5 lpm) and 5 (6 lpm) Star ratings.



OUTLETS AND SHOWERS

- Operating working pressure:** 50–500 kPa*
- Outlets:** WELS 3 Star (8 lpm) water efficiency rating supplied as standard.
Also available in 2 (9.5 lpm) and 5 (6 lpm) Star ratings.
- Showers:** WELS 3 Star (7.6 lpm) water efficiency rating supplied as standard.



ELECTRONIC TOILET FLUSHING

- Operating working pressure:** Dual Flush 250-500 kPa; Single Flush 350-500 kPa
- Minimum Water Supply Line Size:** Dual Flush 250-500 kPa; Single Flush 350-500 kPa
- Minimum Working Pressure:** 150 kPa
- Flush Pipe:** 700mm of 1½" (40mm) flush pipe is required below the air break.
(Note: use a maximum of 1 x 90° bend after underneath unit. Use 45° bends in preference) If a flush pipe longer than 750mm is required, 25mm flush pipe must be used (adaptors supplied by client).
- Pan: 6/3L Capacity Kv Factor: 3.18
- Dual Flush:** WELS 3 Star (6L full flush and 3L half flush) water efficiency rating.
- Single Flush:** WELS 1 Star (5.5L flush) water efficiency rating.



* Must be installed in accordance with AS3500.1 3.3.4. Maximum pressure within buildings: Provision shall be made to ensure that the maximum static pressure at any outlet, other than a fire service outlet, within a building does not exceed 500kPa. NOTE: Pressures above 500kPa can cause damage from water hammer, reduced life of appliances, taps and fittings, and cause excessive noise in the system. Minimum pressure 50kPa, refer to standard. For applications outside these parameters contact your Enware representative.

ENWARE IN BRIEF

Enware is a world-leading Australian designer and manufacturer of quality specialist commercial tapware solutions and safety systems. Since inception in 1937, Enware Australia has grown significantly. Today, Enware has offices located around the country and is represented in major regions throughout the world including Asia, the Pacific, the Middle East and Europe. As a global leader of specialist tapware and safety systems, Enware offers a more extensive range than any other company on the market.

SOPHISTICATED MANUFACTURING DELIVERS PREMIUM QUALITY

To develop our innovative specialist products we use extensive market research, our technical know-how and experience. Our precision manufacturing plants ensure the quality and reliability for which Enware products are renowned, with our continued commitment to meeting Australian and international standards.

We strive to exceed your expectations by providing durable, dependable products that offer water efficient solutions and are designed and manufactured in an environmentally caring manner.

SPECIALIST
PLUMBING SOLUTIONS

ADAPTABLE WORK
& LIVING SOLUTIONS

ENVIRONMENTAL, HEALTH
& SAFETY SOLUTIONS

STAINLESS STEEL
WASHROOM SYSTEMS



ADDRESS: 9 Endeavour Road, Caringbah NSW 2229 Australia
POSTAL ADDRESS: P.O. Box 2545, Taren Point NSW 2229 Australia
PHONE: FAX: 61 2 8556 4055
1300 369 273 (AUS) WWW.ENWARE.COM.AU INFO@ENWARE.COM.AU

