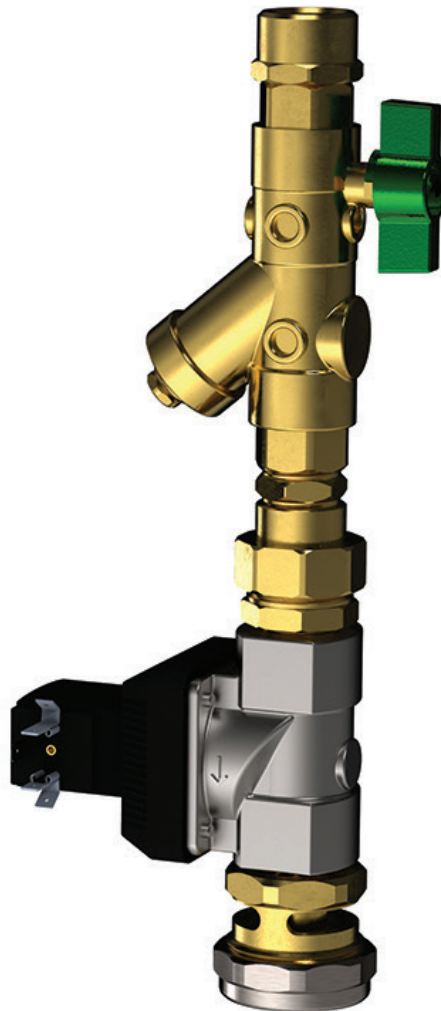


WC Flushing Valve 12V DC

Installation and Maintenance Instructions

WMS8312



I00362_Jul 20

Call 1300 369 273
www.enware.com.au

Enware Australia Pty Limited
9 Endeavour Rd Caringbah NSW 2229 Australia
Ph: 02 8536 4000 info@enware.com.au



technical data

Water Supply Pressure	Minimum 200 kPa Dynamic Pressure Maximum 500 kPa WELS Flush Volume achieved at 300 kPa
Connections	Inlet - 1" BSP (25mm) Outlet - 1 ½" BSP (40mm)
Minimum Water Supply Line Size	1" (25mm) copper pipe
Operating Voltage	12V DC via Water Management System Control Hub
Kv Factor	8.3m ³ /h
Flush Pipe	1½" (40mm) flush pipe is required below the air break. (Note: use a maximum of 1 x 90° bend in flush pipe. If an offset is required 2 x 45° bends must be used. Maximum of 1 offset per flush pipe. Air break must be installed in a vertical position at 700mm +/- 100 mm above the pan inlet.)
Flush Volume	Half Flush - 3L, Full Flush - 4.5 L (default setting) Adjustable via Water Management System Control Hub

installation compliance

Enware products are to be installed in accordance with the Plumbing Code of Australia (PCA) and AS/NZS3500. Installations not complying with PCA and AS/NZS 3500 may void the product and performance warranty provisions.

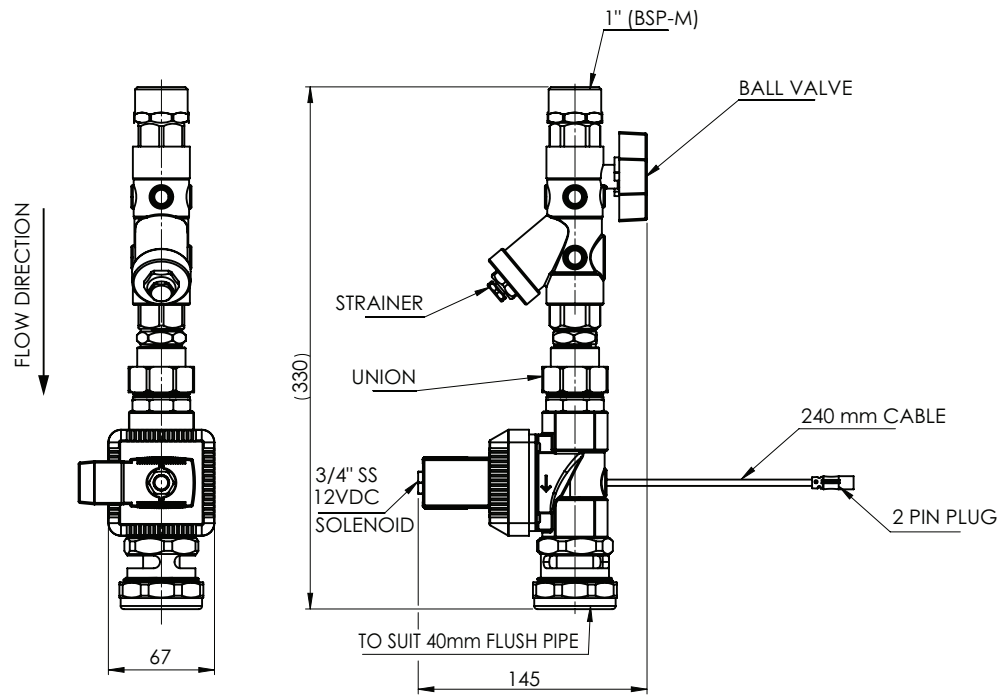
Reference should also be made to the Australasian Health Facility Guidelines (AHFG), ABCB and Local Government regulations when considering the choice of, and the installation of these products.

NOTE: Enware Australia advises:

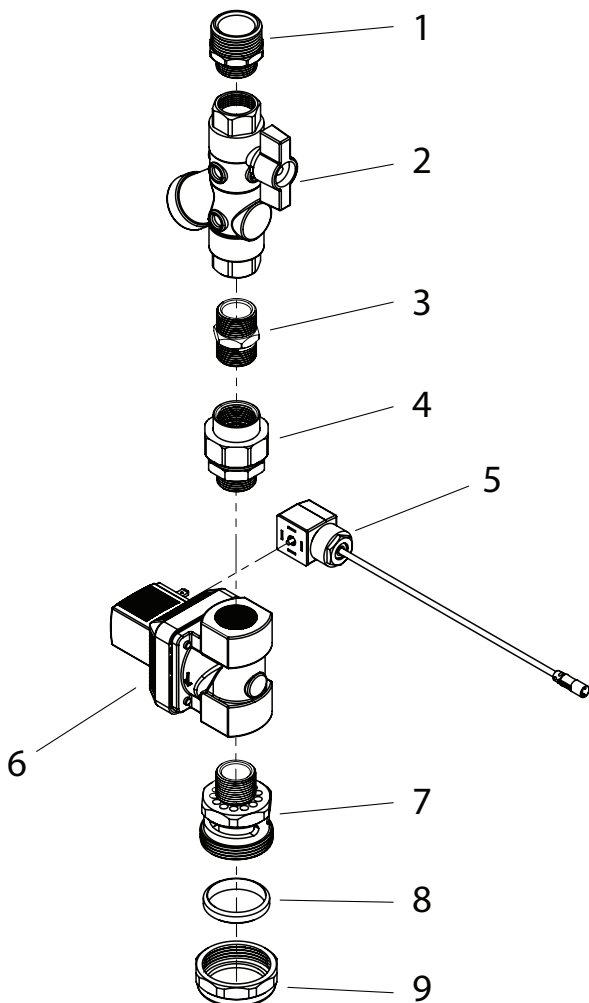
1. Due to ongoing Research and Development, specifications may change without notice.
2. Component specifications may change on some export models.

All measurements are in millimetres.

dimensions



components



1	Reducing hex nipple 1" x 3/4" BSP
2	Ball valve Y-strainer combination 3/4"
3	Hex nipple 3/4" BSP
4	Union M/F 3/4" BSP
5	Solenoid Connector Cable 240MM with Gland Pack
6	Solenoid SS316 3/4" BSP 12VDC
7	Airbreak
8	Rubber olive seal 43.8mm OD X 37.8mm ID
9	Trap nut 1-1/2"

installation - technical requirements

Before proceeding with installation, ensure all operating and dimensional specifications are suitable for the intended installation.

IMPORTANT TECHNICAL REQUIREMENTS

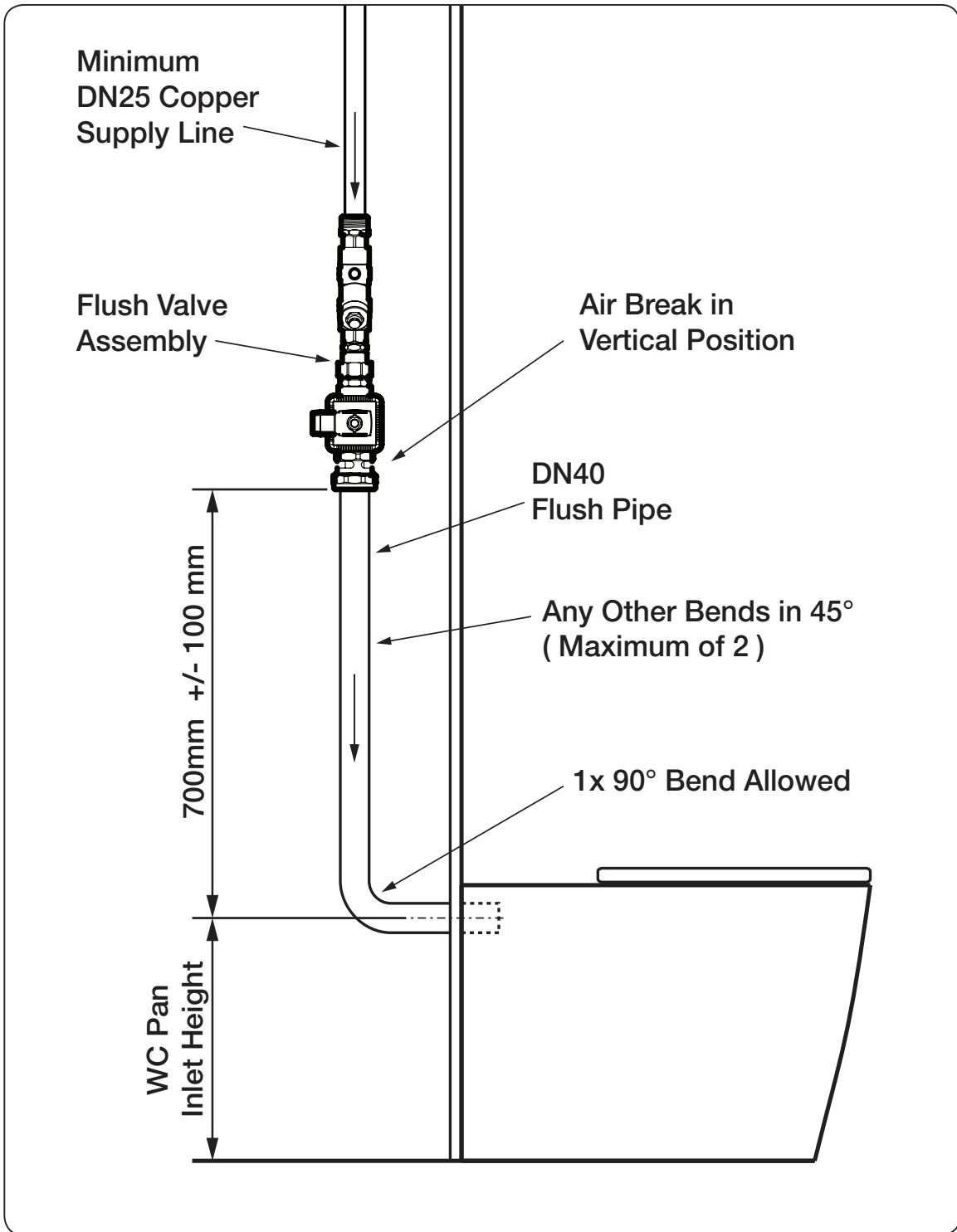
To ensure that the unit works correctly, it is important to ensure that the site and location of installation meets the hydraulic requirements of AS/NZS 3500.1.

In addition, there must be:

- Minimum 25mm copper supply line
- Minimum 200kPa for valve to operate. NOTE: WELS Volume is only achieved at 300kPa
- 40mm flush pipe must be used. Trapnut is suitable for 1-1/2" copper tube. (PVC adaptors / Cap & Lining fittings to be supplied by client if required)
- Maximum of 1 x 90° bend in flush pipe may be used. (Any other bends are required to be 45° - maximum of 2.)
- Air break must be installed in a vertical position.

Pipe work to the valve fixture must be sized according to water service rule calculations and simultaneous demand requirements.

To ensure that the pipeline reticulation system for the valve is designed correctly for the satisfactory performance of the valve, a hydraulic services consultant and/or engineer (or other personnel appropriately qualified in hydraulic services design) must be engaged.



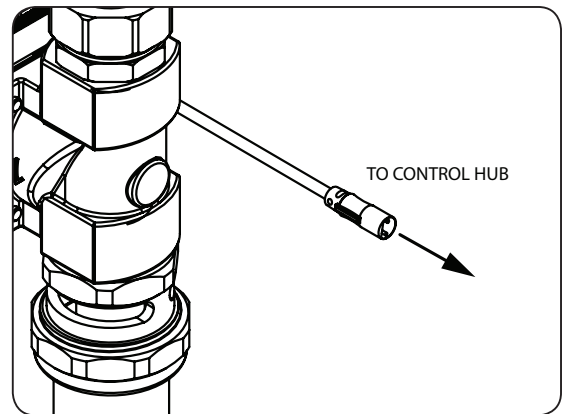
installation procedure

1. Flush the water supply line thoroughly before installing the flush valve. Do not allow debris, dirt, thread sealant or metal particles to enter the flush valve.
2. Fit the flush valve in the required position. (Take note of installation guidelines in Installation - Technical Requirements on Page 4 & 5.)

If using PVC flush pipe, a 40mm cap and lining must be fitted to the air break. (Cap and lining not supplied)

3. Run conduit from solenoid to the control hub. Connect cable to solenoid.

WARNING: Do not cut the wires or extend existing cables without using the correct cable extension from Enware. **Cutting cables will void warranty.**



4. Turn water supply on and check for leaks.
5. Turn inlet Ball Valve on and check for leaks.
6. Activate the flush valve via control hub and test operation.

service & maintenance

REGULAR MAINTENANCE

For long periods of non-use, a minimum activation of 1-2 times per day is recommended. High frequency of use and high water supply pressures reduce the service life of a solenoid.

FILTER CLEANING

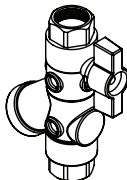
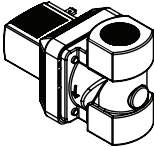
This flush valve is provided with a stainless steel filter preventing foreign particles from entering the lines. If the water flow has decreased, this may be because the filter is clogged. The valve can be cleaned as follows:

1. Turn off the isolation ball valve.
2. Open the strainer cap on the Y body, directly below the ball valve.
3. Remove the filter and wash it under running water.
4. Re-insert the filter and refit the strainer cap.
5. Turn on the isolation ball valve. Check that there is no leakage.

CLEANING

Enware products should be cleaned with a soft damp cloth using only mild liquid detergent or soap and water. Do not use cleaning agents containing corrosive acid, scouring agent, solvent chemicals or cream cleaners. Use of unsuitable cleaning agents may damage the surface. Any damage caused in this way will not be covered by warranty.

spareparts

Name		Part Code
Ball Valve Y-strainer Combination 3/4"		EMFS305
Solenoid SS316 3/4" BSP 12VDC		891541
Service Kit for Solenoid 3/4" DC		WMS8301

troubleshooting

Refer to the following troubleshooting chart for specific problems and solutions.

PROBLEM	CAUSE	RECTIFICATION
Water does not flow	Loose connection on leads	Reconnect electrical connections
	Dirty or blocked filter	Refer to Filter Cleaning on page 6
	Supply pressure issue	Ensure the dynamic pressure delivered to unit is above 200kpa and below 500kPa
Water does not stop flowing	Debris or scale in the solenoid	Dismantle and clean solenoid. Use solenoid service kit to replace diaphragm if required
Flush pattern not fully covering bowl Too little water delivered	Supply pressure issue	Ensure the dynamic pressure delivered to unit is above 200kpa and below 500kPa
	Supply pipe inadequate size	Ensure supply is DN25 minimum
	Pan water requirements not met by flushing mechanism	Ensure pan has matching WELS rating.

Enware Australia Pty Limited (ACN 003 988 314) (“we” or “us”) warrants that this product (also referred to as “our goods”) will be free from all defects in materials and workmanship for 12 months from the date of purchase. Our liability under this warranty is limited at our option to the repair or replacement of the defective product or part, the cost of repair of the defective product or part or the supply of an equivalent product or part, in each case if we are satisfied the loss or damage was due to a defect in the materials or workmanship of the product or part. All products must be installed in accordance with the manufacturer’s instructions, the PCA, and AS/NZS3500 including any other applicable regulatory requirements.

making a claim

To make a claim under this warranty you must notify us in writing within 7 days of any alleged defect in the product coming to your attention and provide us with proof of your purchase of the product and completed the Online Product Service and Warranty Form available on website www.enware.com.au/product-service-enquiry.

All notifications and accompanying forms must be sent to us marked for the attention of the Enware Australia Pty Limited, 9 Endeavour Road, Caringbah NSW 2229. We can also be contacted by telephone (1300 369 273) or by email (info@enware.com.au).

Your costs in making a claim under this warranty, including all freight, collection and delivery costs, are to be borne and paid by you. We also reserve the right at our cost to inspect any alleged defect in the product wherever it is located or installed or on our premises.

exceptions

This warranty does not apply in respect of any damage or loss due to or arising from:

- a) Failure by you or any other person to follow any instructions for use (including instructions and directions relating to the handling, storage, installation, fitting, connection, adjustment or repair of the product) published or provided by us;
- b) Failure by you or any other person responsible for the fitting, installation or other work on the product to follow or conform to applicable laws, standards and codes (including the AS/NZ 3500 set of Standards, all applicable State and Territory Plumbing Codes, the Plumbing Code of Australia and directions and requirements of local and other statutory authorities); or
- c) Any act or circumstance beyond our control including faulty installation or connection, accident, abnormal use, acts of God, damage to buildings, other structures or infrastructure and loss or damage during product transit or transportation.

other conditions

Except as provided or referred to in this document, we accept no other or further liability for any damages or loss (including indirect, consequential or economic loss) and whether arising in contract, tort or otherwise. Any benefits available to you under this warranty are in addition to any non-excludable rights or remedies you may have under applicable legislation, including as a “consumer” under the Australian Consumer Law. To that extent you need to be aware that: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

ADDRESS: 9 Endeavour Road, Caringbah NSW 2229 Australia

POSTAL ADDRESS: P.O. Box 2545, Taren Point NSW 2229 Australia

PHONE: 61 2 8536 4000 FAX: 61 2 8556 4066

1300 369 273 (AUS) WWW.ENWARE.COM.AU INFO@ENWARE.COM.AU

ABN 23 003 988 314

