

Product Manual

**WHBV-101W-LH-NB and
WHBV-101W-RH-NB**

**Washbasin with Integral
Tap**

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ROBUST. INNOVATIVE. WASHROOMS



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1. Disclaimer

Every effort has been made to supply information within this manual which is correct. Wallgate Limited and Galvin Engineering will not be liable for any damage or loss that arises if the person installing, operating, or maintaining the unit has not read or not complied with the manual.

Wallgate Limited or Galvin Engineering reserves the right to alter, update or improve its product specification at any time without prior notice. This manual is specific to the product that it has been supplied with at the date of supply.

The product must be installed in accordance with these installation instructions and in accordance with AS/NZS 3500, the PCA and your local regulatory requirements. Water and/or electrical supply conditions must also comply to the applicable national and/or state standards. Failing to comply with these provisions shall void the product warranty and may affect the performance of the product. Further installation compliance requirements are listed in document 002.90.00.00 – Installation Compliance.

No part of this publication and the information contained may be reproduced, transmitted, stored in a retrieval system, used or disclosed wholly or partly without prior written permission from Wallgate Limited or Galvin Engineering.

Please ensure this manual is passed to the end user. The manual forms an integral part of the product and should be kept for its working life. Additional copies of this and other supporting documents are available by contacting Galvin Engineering by visiting www.galvinengineering.com.au.

2. Conventions

Certain conventions are used in this manual to make it easier to read and understand. They are given in the sections below.

2.1 Warning

A warning with white text on a red background is used to give information about hazards that can cause injury or death. Read and understand these warnings before you install and commission the wash basin. Failure to heed these warnings can have serious consequences.

WARNING! This is a warning!

2.2 Note

A note with black text on a yellow background is used to draw your attention to important and useful information.

NOTE: This is a note.

2.3 Numbered procedures

Steps in procedures are numbered, starting from 1.

1. This is step 1.
2. This is step 2 etc.

2.4 Bullet lists

- A bullet list is used to give information that is not sequential.

2.5 Menu items

Menu items, submenu items and settings, where available, are given in bold.

3. Glossary

The glossary lists all words, abbreviations and technical terminology used in this manual, along with a short description of these terms.

Term	Description
Anti-Ligature	Recently we have become aware that there is some inconsistency in the market as to the exact meaning of "anti-ligature". Where we use this phrase in connection with our products it means that we have designed and tested the product in order to reduce any risk of that product being used as a ligature attachment point. Our anti-ligature products have been designed to reduce the likelihood of a ligature attachment, however it is the responsibility of the purchaser or service provider to ensure it is risk assessed and suitable before use.
Push fit	Push fit type fittings are a plumbing pipe connector that pushes onto the copper tube and has an integral rubber seal to ensure a watertight connection. The basin utilizes individual push fit components and fittings cast into the solid surface material.
Security Pin Torx	Torx head bolt with central pin for security.

4. Overview

The WHBV-101W-NB is a moulded washbasin with a single water tap outlet. The basin is available in right-handed (WHBV-101W-RH-NB) and left-handed (WHBV-101W-LH-NB) configurations. Both are included in this manual

5. Installation and Commissioning

5.1 Package Contents

Before you begin the installation, make sure that you have the following items:

- ✓ 1 x Product manual.
- ✓ 1 x WHBV-101W-RH-NB or WHBV-101W-LH-NB Wash basin with integral push fit connectors.
- ✓ 1 x Waste pipe.
- ✓ 1 x End Support Angle.
- ✓ 2 x Side support angles.
- ✓ 1 x Bottom cover panel.
- ✓ 1 x 15mm to ½" BSP adaptor.
- ✓ 9 x M6x10 Button Head Torx Bolts
- ✓ 8 x M10x16 Stainless Steel security screws

NOTE: An electronic control unit & solenoid water valves with cables are supplied separately as an option. Various control options are available, contact Galvin Engineering for more information.

5.2. Site Preparation

5.2.1 Mounting Guidelines

- The washbasin must be attached to a vertical surface that can support the weight of the washbasin. See Table 1 on page 16 for the weight. Refer to Figure 5 on page 13 for a typical installation of the WHBV-101W-RH-NB.
- The basin comes supplied with a 5 LPM flow regulator. Ensure the water supply used has suitable dynamic pressure and flow rate to achieve the maximum output. See Table 1 on page 16 for the specifications of the water supplies. The tap outlet can be connected to a water supply that is cold or pre-mixed hot as preferred.
- You must drill holes in the wall for the support brackets, water supply pipe and waste pipe as given in Figure 3 and 4. This basin is not provided with any wall fixings and the user/customer must provide these.

NOTE: A 1:1 scale template for drilling the holes is available on request

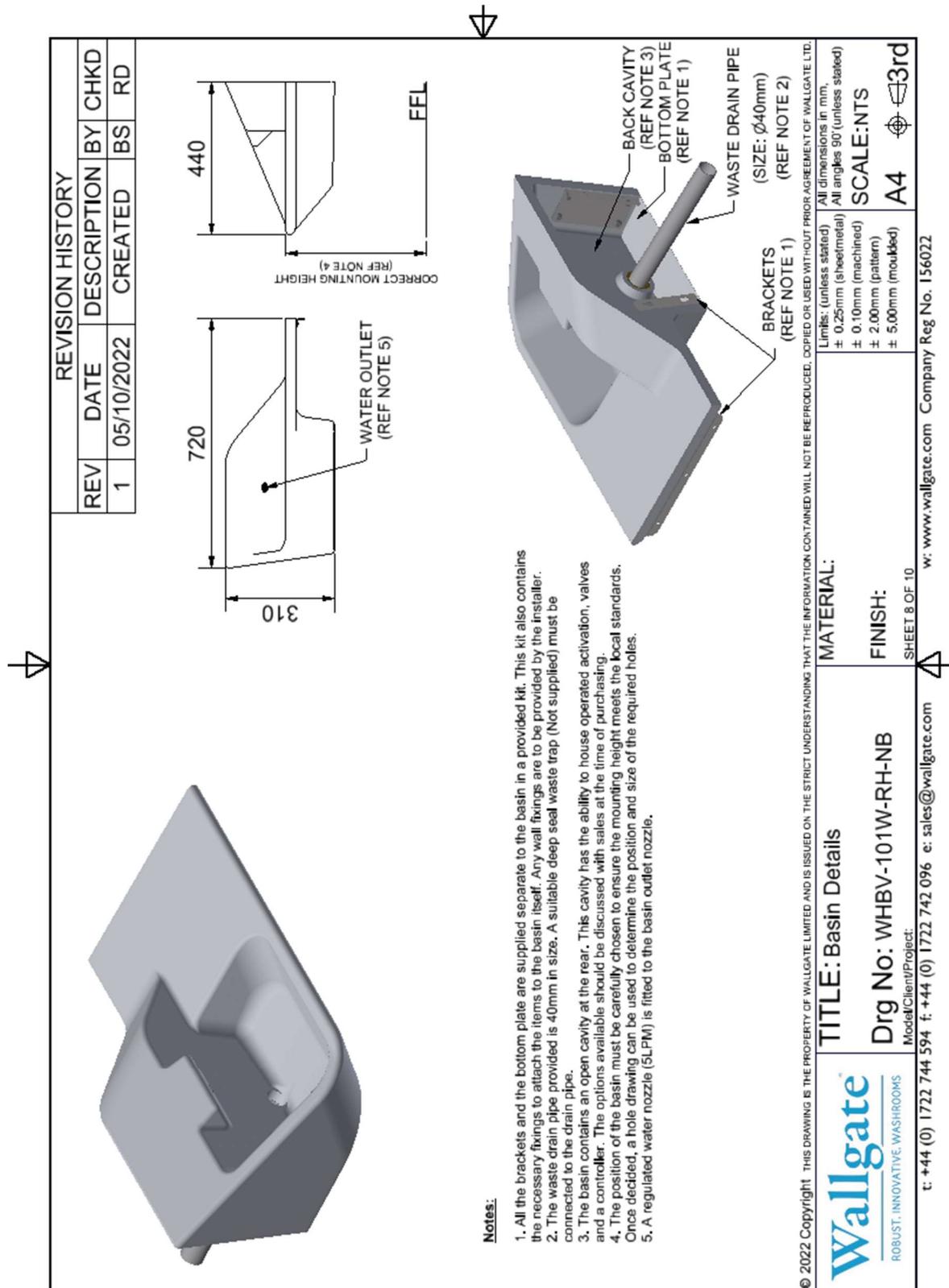


Figure 1. WHBV-101W-RH-NB Basin Details.

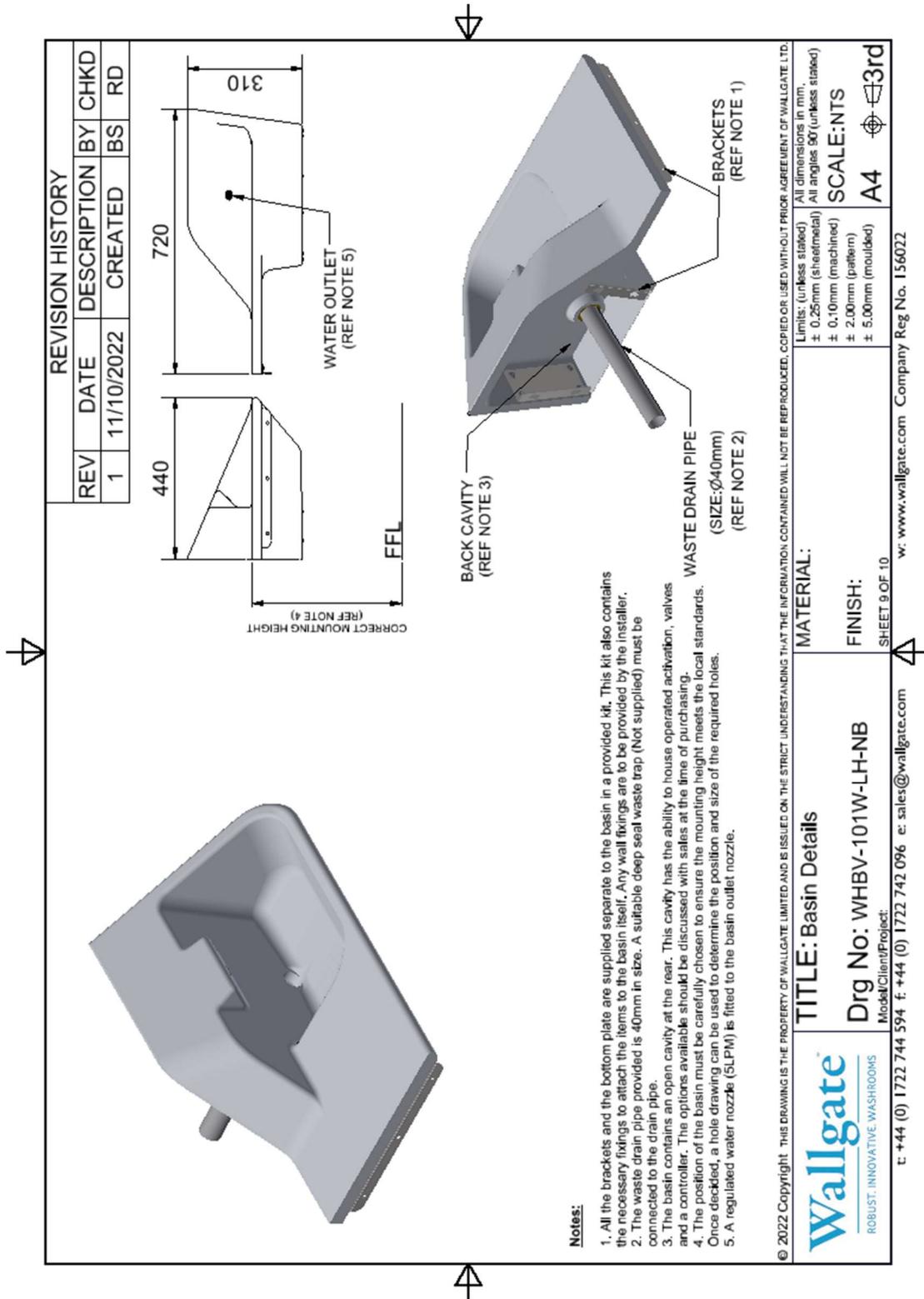


Figure 2. WHBV-101W-LH-NB Basin Details.

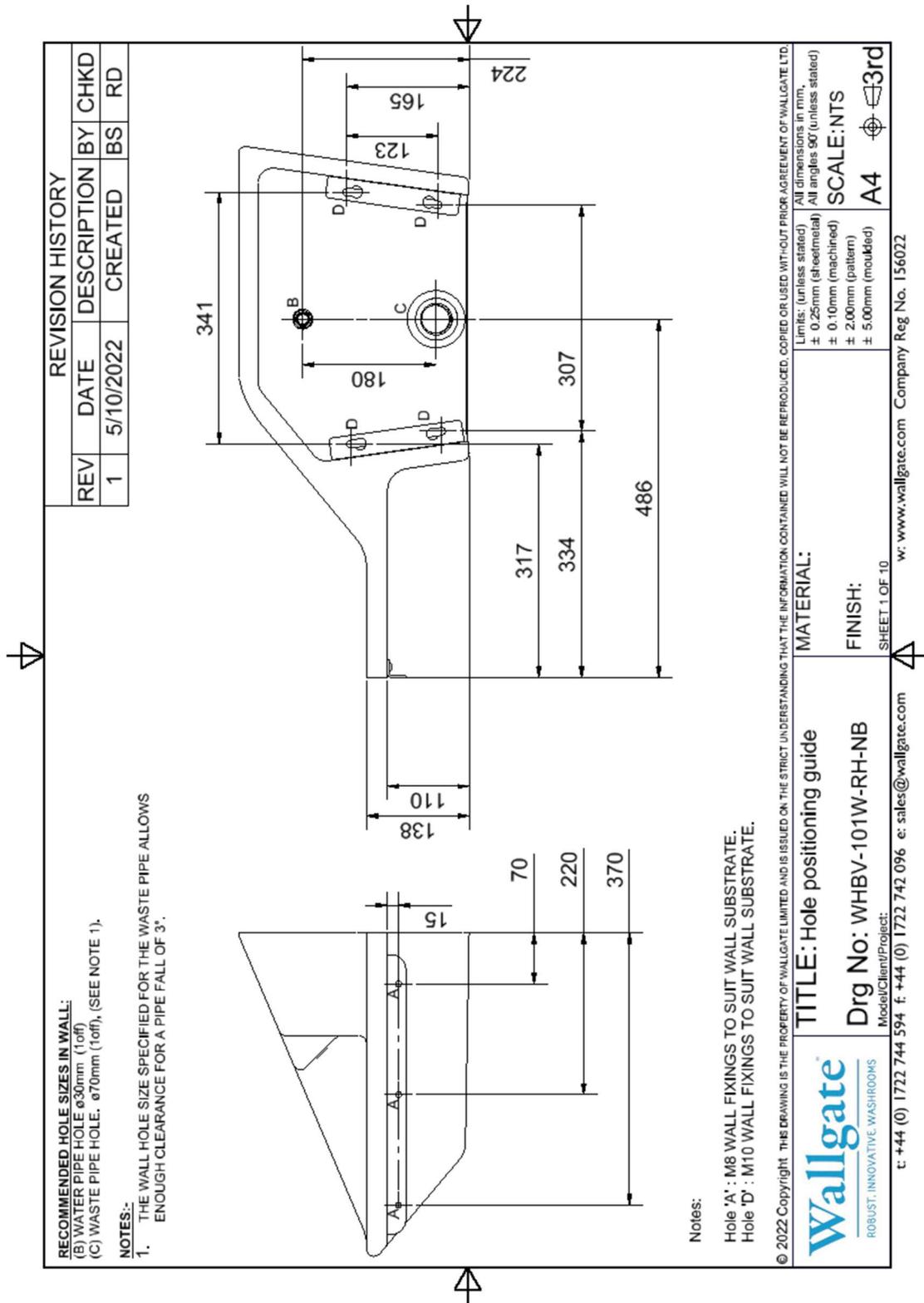


Figure 3. Wall hole sizes & positioning for WHBV-101W-RH-NB.

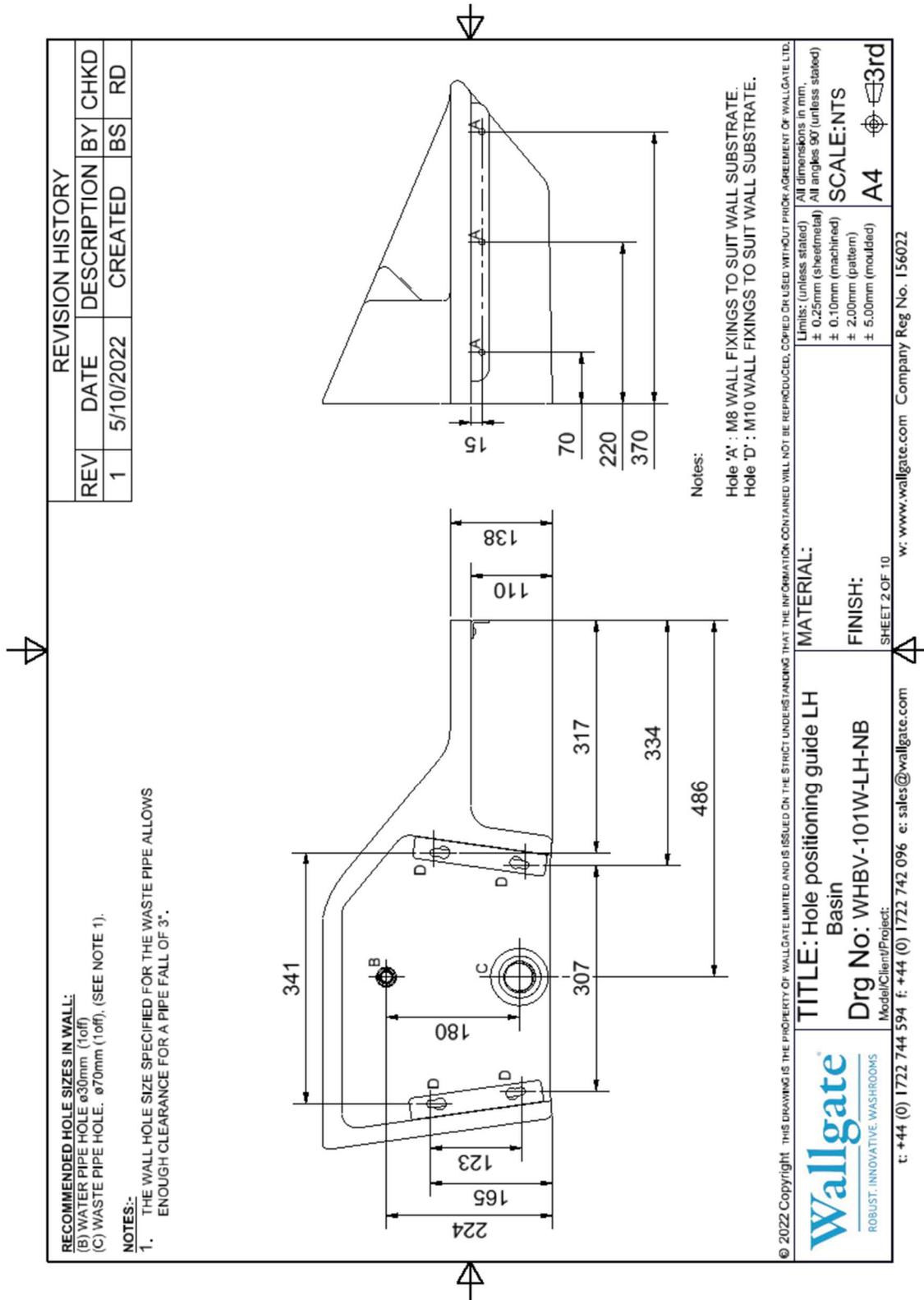


Figure 4. Wall hole sizes & positioning for WHBV-101W-LH-NB.

5.3 Preparing the Washbasin

The washbasin must be prepared before attaching it to the desired walls. To prepare the washbasin refer to figures 3 or 4 and 5 & follow the instructions below:

1. Remove the protective paper covers from the push fit connector on the water inlet of the basin.
2. Once the desired height for the basin has been chosen, refer to figure 3 or 4 for the position and size of the required holes.
3. Before the basin is mounted onto the desired walls, the end support bracket (Item 1, figure 5) must be secured to the wall first to aid the mounting (Section 5.4). The wall fixings required are not supplied and must be provided by the installer.
4. Assemble the 15mm to ½” BSP adaptor (Item 8, figure 5) into the integral push-fit connection on the basin inlet and attach a water supply pipe. The water supply connection is provided on site by others. Site conditions and the type of connection will determine whether it's best to connect to the basin before or after mounting on the wall.
5. Push the waste pipe (Item 5, figure 5) into the brass socket on the rear of the basin. The brass socket has a groove which is fitted with an O ring seal. The socket is labelled C in Figures 3 and 4.

NOTE: Lubricate the end of the waste pipe with soap or water to ease the fit and avoid damage to the O ring seal.

NOTE: Water management controls are supplied by others and should be connected to the water supply pipe on the basin.

If installed within the basin cavity, for ease of installation, it is recommended to fit controls before mounting to the wall.

Note: Depending on the installation, a TMV should be provided to manage the water temperature.

5.4 Mounting the Washbasin

WARNING! To maintain the anti-ligature & anti-vandal properties of this product it must be installed in line with the following points.

1. Ensure product fixings are correctly fitted as detailed in the following instructions.
2. Ensure all fixings are tightened to the recommended torque as detailed in the following instructions.
3. Seal the edges of the product to the wall using an approved, anti-pick hard set mastic.

To mount the washbasin to the wall:

1. Attach the side support angle brackets (Item 2, figure 5) to the basin using the M10X16 bolts (Item 7, figure 5) provided and tighten them to the recommended torque of 20Nm. (A thread locker can be used, depending on the installation site).
2. Lift the washbasin into position and sit it on the end support bracket (Item 1, figure 5) fixed to the wall. Insert the waste pipe and water pipe into the correct apertures in the wall. Check that the wall fixings for the bracket line up with the respective holes in the brackets (Item 2, figure 5).
3. Once the positions have been checked, make sure the basin seats flush against the wall. The side support angle brackets (Item 2, figure 5) can be adjusted forwards or backwards if necessary. If loosened refer to point 1 for the recommended torque.
4. There is room to tighten the wall fixings used on the side support angle brackets via access on the base of the product. Before fully torquing the fixings, adjust the position of the basin so that:
 - a. The basin weight is not supported on the water supply tube which may damage the water seal on the push fit connector.
 - b. The basin is level both horizontally & vertically.
5. Once in its final position, the end support bracket (Item 1, figure 5) can now also be attached to the basin using the fasteners provided. The recommended torque is 8Nm for the M6X10 bolts used (Item 6, figure 5). (A thread locker can be used if required.)
6. After the basin has been fully secured to both walls, the bottom cover panel (Item 3, figure 5), can be attached to the bottom of the basin. The recommended torque for the bolts (Item 6, figure 5) is 8Nm. (A thread locker can be used if required.)
7. Apply an approved, anti-pick hard set mastic to basin edges against the wall.

WARNING! The washbasin weighs approximately 35Kg. Always use safe lifting procedures when lifting heavy loads. Make sure the washbasin is correctly secured to the wall or correctly supported before working in the vicinity.

NOTE: Make sure you do not abrade or damage water tubes & waste pipe when you insert them through the wall.

5.5 Water and Waste Connections

NOTE: The connection of the water supply and waste must be completed in accordance with the plumbing code AS/NZS 3500

NOTE: Before you carry out the following steps, flush the water supply pipes to remove any debris and trapped air.

NOTE: Fit a Y strainer in the water supply feed pipe before connection to the washbasin, especially on older installations where loose particles from ageing water pipes can cause a blockage.

NOTE: Fit a service isolating tap on the water supply feed. This allows for ease of maintenance when required. The isolating tap is not supplied with the product and should be purchased separately.

NOTE: Use of any pipe sealing compound should be avoided to prevent blockages & damage to the basin faucet.

1. Complete the connection of the water supply to the basin tap outlet.
2. Connect the waste pipe adapter to a deep seal waste trap.

NOTE: The trap must be fitted at a lower height than the basin waste pipe for correct drainage. Fit an elbow connector to the waste pipe first before dropping down to the trap inlet connection.

5.6 Commissioning for Use

To commission the WHBV-101W-RH-NB or WHBV-101W-LH-NB:

1. Fully open the water supply isolating taps. Check the system for leaks.
2. Water control is supplied on site by others. Operate the water several times to make sure all air has been purged from the system and to ensure that the flow rate is correct.

5.7 Technical Specifications

Table 1. Technical specifications

Weight	Approximately 35Kg
Dimensions	720mm (W) x 310mm (H) x 440mm (D)
Water Supply	Minimum pressure (Dependent on controls) Maximum rating 5 Bar (At water nozzle outlet) Minimum flow rate of 5LPM (<i>The basin comes supplied with a 5 LPM flow regulator.</i>) Supply pipe size 15mm copper
Waste connection	40mm pipe

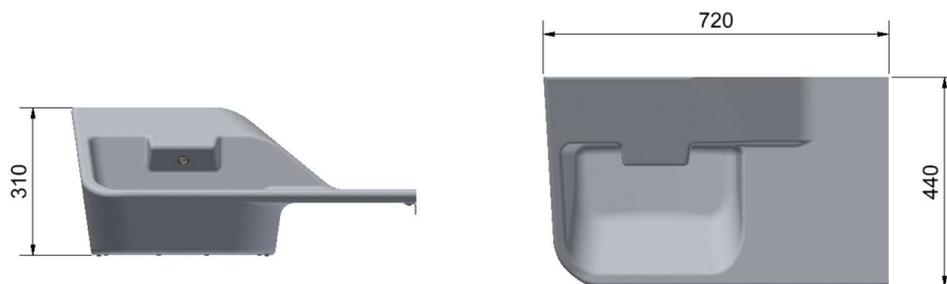


Figure 6. Overall dimensions of the WHBV-101W-RH-NB.

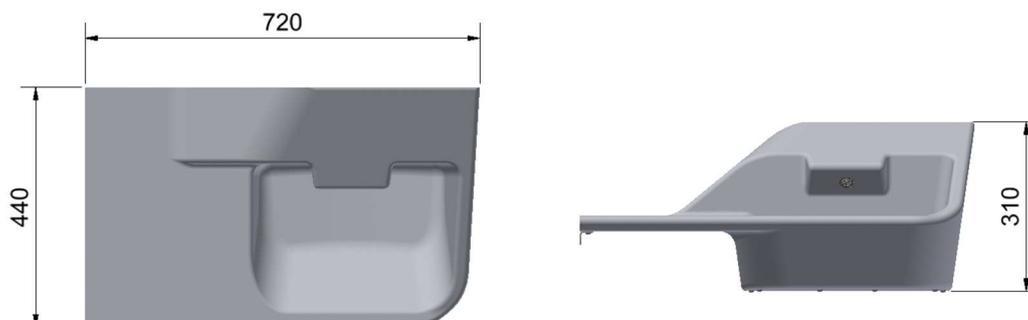


Figure 7. Overall dimensions of the WHBV-101W-LH-NB.

6. User and Maintenance Instructions

The WHBV-101W-RH-NB and WHBV-101W-LH-NB basins are well designed and manufactured from high quality materials. If you install, operate and maintain it according to the instructions given in this manual, the unit will give reliable, efficient service. If you need any further information or advice, please contact Galvin Engineering.

Wallgate and Galvin Engineering offers a comprehensive service package, details of which can be obtained from our customer service department.

6.1 Maintenance

General wear mainly affects the components in contact with water. If the unit is installed in a hard water area, lime scale may need to be removed from the basin and water nozzle components. The water nozzle can be removed from its housing using a special tool and either replaced or cleaned.

An easy and safe way to clean or de-scale the water nozzle, is by immersing it overnight, in water mixed with vinegar or vinegar-based household cleaners. Chemical household cleaners (bleach based or the like) are not recommended, as these might damage the plastic or rubber materials. Stubborn limescale can be removed mechanically, e.g. with a stiff brush, if required.

7. Warranty

The warranty set forth herein is given expressly and is the only warranty given by the Galvin Engineering Pty Ltd. With respect to the product, Galvin Engineering Pty Ltd makes no other warranties, express or implied. Galvin Engineering Pty. Ltd. hereby specifically disclaims all other warranties, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose.

Galvin Engineering Pty Ltd products are covered under our manufacturer's warranty available for download from www.galvinengineering.com.au. Galvin Engineering Pty Ltd expressly warrants that the product is free from operational defects in workmanship and materials for the warranty period as shown on the schedule in the manufacturer's warranty. During the warranty period, Galvin Engineering will replace or repair any defective products manufactured by Galvin Engineering without charge, so long as the terms of the Manufacturer's warranty are complied with.

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and Galvin Engineering Pty Ltd shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labour charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, electrical or any other circumstances over which Galvin Engineering has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

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