



## INSTALLATION

### Description:

RBA8821-100 is a single stall waterless urinal, fabricated from heavy gauge type 304 stainless steel, with all exposed surfaces, polished to a satin finish. It is designed for use in vandal prone areas where aesthetics, as well as water conservation is a consideration. The outlet incorporates a unique silicone duckbill seal, which allows urine to pass through to the drain, but prevents odours and gases travelling back from the drain.

### Components Provided:

Stainless steel urinal  
Fixing "S" clip  
Tailpiece assembly including duckbill  
Extended elbow  
40mm DWV outlet adaptor

### Prior To Installation:

1. The installation of this urinal must comply with the requirements of AS/NZS 3500.2, and all other local authority requirements.
2. Prior to the installation of this urinal to an existing system, the installer shall determine the material of the pipes in the existing system, and ensure that the undiluted discharge will not be transported through copper or copper alloy pipework.
3. Confirm that the wall structure is sufficient to support the urinal using adequate fixings by others.

### Rough In:

40mm DWV outlet should be terminated 326mm from finished floor, centred on the urinal and extend a minimum 50mm from the finished wall face.

This dimension will allow the urinal to finish with the lower front edge of the bowl to be approx 508mm from finished floor. This height may be varied depending on the requirements of the project, or as directed by the project manager.

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### Installation:

1. Assemble the "tailpiece assembly" as shown in FIG. 2, into the urinal bowl.
2. Fit the "extended elbow" (9) to the tailpiece, and determine the location of the "S clip" (4). The DWV adaptor (1) may be fitted to pipe extending from the wall, and the elbow extension (9) cut to suit.
3. Fix the "S clip" (4) to the wall as in FIG 1, and hang the urinal on the clip, ensuring that the urinal is level, and mark the location of the bottom fixings.
4. Remove the urinal, drill the bottom holes and re-hang the urinal, pushing the elbow extension through the "O" ring, using a quality lubricant.
5. Secure the bottom of the urinal using fixings (5) supplied by others.

### Operating & Maintenance

1. Care should be taken at all times when working with urinals, ensuring that necessary protective clothing, gloves etc are worn at all times. The urinal should be washed and disinfected before beginning any work.
2. At no time should harsh chemicals, chlorine, fluoride, acid, bleach or abrasive cleaners be used to clean the urinal, as they may damage the seal. After removing foreign objects such as cigarette butts from the bowl, the urinal should be cleaned daily, using warm water, detergent and sponge, rinsed with clean warm water, and dried with a soft cloth.
3. Water containing dirt or grit should never be emptied into the urinal as this may damage the seal.
4. At intervals of between 6 and 12 months, subject to frequency of usage, the duck bill seal (3) in FIG. 3, should be replaced. The duckbill diaphragm may be replaced as in FIG.3 by –
  - a. Remove the grid strainer (2) using a flat 6mm screwdriver. Fit the blade in the slot in the top of the strainer and turn anti-clockwise to remove.
  - b. Remove the washer (3) and duckbill (4) diaphragm.
  - c. Fit the new duckbill and replace the washer and strainer.
5. If it become necessary to clean pipes beyond the duckbill valve, the valve should first be removed.

