Multi Stall Floor Mounted Urinals

These installation notes are for the following products:

Model No. UESI: Esiflow Floor Mounted Urinal
Model No. UREG: Regency Floor Mounted Urinal
Model No. USAN: Sanistep Floor Mounted Urinal
Model No. USUP: Superstep Floor Mounted Urinal

All Britex products are quality assessed, independently and factory tested to meet the applicable standards. Where required each product carries the appropriate certification licence numbers and logos in the nominated positions. For a complete listing of product certifications, please visit our web site www.britex.com.au

The entire content of the “Installation Instructions” should be read and understood prior to installing this product.

Before installing, carefully remove the product from its packaging. Inspect the product to ensure it has been supplied in good condition, inclusive of all components and to the correct specifications requested.

**BOX CONTENTS**

- 1 x Stainless Steel Floor Mounted Urinal

**PRE-INSTALLATION**

- Britex urinals are approved for use as per the accompanying certifications and can be coupled with cisterns, flush valves & sensor flushing systems according to specific model requirements. It is the installer’s responsibility to ensure that the urinal is installed in accordance to the regulations of the charging governing authority and all applicable plumbing code regulations.

- Britex Floor Mounted Urinal’s are fitted with a water spreader incorporating options of rear or top mounted inlets (38mm (1.5") & 25mm (1")) to be nominated on placement of order. As a standard practice 38mm (1.5") inlets will be provided unless 25mm (1") inlets are specifically requested.

1. 38mm (1.5") Inlets: Are typically supplied to urinals that are to be flushed with cisterns or flush valves. The urinals inlet supply fitting, consists of a nylon adaptor and flanged nut to suit 38mm (1.5") flush pipe tube, (copper, stainless steel etc). Alternatively 40mm DWV PVC pipe can be used by substituting the urinal nylon flange nut for a DWV PVC Adaptor Female Iron 40mm. If a flushing devise is utilised with a smaller supply line, then the nylon inlet adaptor can be reduced with appropriate fittings as long as the flushing device and supply requirements are in accordance with the urinal specifications.

2. 25mm (1") Inlets - Are typically supplied to urinals that are to be flushed with sensor flush solenoids. The urinals inlet supply fitting, consists of a 1" M BSP T.O.E. nipple to suite 25mm (1") flush pipe tube connections with the use of a 1" flange nut. Alternative supply lines utilising a 1" BSP thread for connection to the urinals inlet may also be used as long as the flushing device and supply requirements are in accordance with the urinal specifications.

- A certified minimum flush volume of 0.5 Litres (0.13 gal) per flush per stall (600mm) (23.6") is recommended for all UESI, UREG, USAN & USUP urinals, with a maximum flush volume of 1.9 Litres (0.5 gal) per flush per stall. The flushing device should be of an approved capacity and in accordance with local authority requirements.

- Discharge waste outlet’s vary dependent on nominated size received on order placement, but generally consist of 50mm (2”), 75mm (3”) & 100mm (4”) dependent on local plumbing regulations.

- As the urinal is to be fixed to the rear wall, ensure that the substructure will provide sufficient support to the urinal. Complete any reinforcement works as necessary and provide noggins where required. Use appropriate anchors suitable for use with the substructure to fix the urinal to the wall surface.

- Floor mounted urinals can be recessed and made flush with the finished floor level or mounted directly onto the floor (Step Up). If the urinal is to be recessed, refer to the urinal trench dimensions within this document.

- The preparation of a slurry bed is part of the bedding down process for all urinal installations inclusive of floor mounted and recessed urinals. Additional works, structural conformance, water proofing etc. may be required to the substructure and should be investigated and approved by the appropriate authorities. All preliminary works should be completed prior to the installation of the urinal.

- Protect the surface of the product during the installation process. Do not remove any PVC coatings that may have been applied to the surface until the product has been commissioned and ready to be used.

**RECESSED URINAL TRENCH DETAILS**

See Fig 1.

**INSTALLATION**

1. Prior to installing the urinal ensure the substructure has been prepared to accommodate all required services inclusive of supply lines, sanitary discharge connections and set down trench for recessed urinals. Service locations are provided on the applicable model diagrams within this document.

- Rear inlet supply connections will require the provision of a permanent front or rear access panel within the wall face to be provided above each inlet connection, or alternatively, a temporary cavity that can be sealed on the completion of connections and commissioning.

- Sanitary discharge connections should be terminated at a height 20mm below the underside of the urinal gutter. Terminating the discharge pipe with a pan collar fitted with an internal rubber gasket is recommended.

2. On completion of the rough in process, place the urinal into position, ensuring the urinals waste outlet spigot is in line and enters the discharge pipe without obstruction and the urinal sits stable and flush to the rear wall.

3. Once in position and particularly with recessed urinal installations, preliminary checks and adjustments should be carried out to ensure that the urinal is level and at the correct height.

- Use the top of the urinal gutter’s front fascia edge to determine the level and height of the urinal, taking into consideration and allowing for any final floor finishes, tiles etc.

- Check and ensure that the horizontal top and side edges are level and that the front vertical edges are plumb.

- Use plastic packers under the feet or directly under the trough on UESI urinals to make level or raise the urinal to the correct height. Do not use metal packers. >>

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1. Take note and mark any applicable reference points, then, remove the urinal from the set position.

2. Mix a mortar or non shrink grout slurry to a soft malleable consistency of the trough. The slurry mixture should hold firm in a mound, yet be pliable enough to spread throughout the underside cavity of floor mounted urinals. For recessed urinals the slurry will be contained within the trench cavity and can be of a softer consistency allowing it to overflow when the urinal is placed into position.

3. Place the urinal back into position ensuring any packers used within the dry run are correctly arranged and remain in location and that the waste outlet spigot is seated within the discharge pipe.  
   - It is critical to ensure that the slurry has not raised the base of the gutter or the formation of the outlet that will prevent adequate draining.  
   - Bed the urinal down to ensure it is seated correctly by applying even pressure to the urinal. Even pressure can be applied to the urinals gutter, by standing on a length of timber placed into the trough. Placing your foot on the outlet cover and applying pressure will also ensure the outlet is correctly seated.  
   - The urinal must be fully supported to alleviate any flexing. No air pockets should be present.  
   - Weighted timbers can be placed within the trough to maintain the formation of the trough.

4. Recheck all levels and drainage capability (refer back to step 3 procedures) and make any final adjustments as necessary.

5. Once satisfied that the urinal is perfectly level and the gutter base and outlet sufficiently drain, drill through the tiled edge at the back and sides of the urinal and insert appropriate fixings into studs or noggin at no less than 600mm (23.6") centres.

6. Remove and dispose the overflow of excess slurry and clean away any spillage from the surface of the urinal with a damp cloth, taking care not to scratch any exposed stainless steel.

7. Perform a flush cycle to condition the weir sparge, followed by a second cycle to ensure that an adequate volume of water is being delivered to sufficiently flush the entire urinal face. Make any applicable adjustments to the volume of water, pressure or flow rates as necessary. Refer to the manufacturer’s installation and operation manuals for any flushing devises to be coupled with the urinal.

8. Once satisfied that the urinal is level, a container of water can be poured into the urinal gutter to ensure that it adequately drains to the waste outlet.

9. Complete the connection of the flushing device to the urinal. The flushing device should then be tested and all connections checked for leaks.

10. Protect the urinal and do not remove the protective PVC coating while additional building works are being conducted. On completion of all building works and prior to functional use, the PVC coating should be removed and the urinal cleaned as per the following cleaning and general maintenance instructions.

11. On the completion of commissioning the urinal, and all associated plumbing and fixtures, the wall and floor coverings can now be completed. The perimeter of the urinal should then be sealed with an appropriate non-pickable sealer.

12. When quality matters. Despite some cleaners displaying the text, ‘Suitable for Toilets and Urinals’ this is more likely in reference to ceramic/vitreous China products and use of these cleaners can damage stainless steel and will void the warranty.

13. Protect the urinal and do not remove the protective PVC coating while additional building works are being conducted. On completion of all building works and prior to functional use, the PVC coating should be removed and the urinal cleaned as per the following cleaning and general maintenance instructions.
### Recessed Urinal Trench Details

<table>
<thead>
<tr>
<th>Urinal Model</th>
<th>Urinal Foot Print</th>
<th>Trench Dimensions</th>
<th>Depth &lt; 1M Long</th>
<th>Depth &lt; 2M Long</th>
<th>Depth &lt; 3M Long</th>
<th>Depth &lt; 4M Long</th>
<th>Depth &lt; 5M Long</th>
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<tr>
<td>UESI</td>
<td>L x W 330</td>
<td>L + 40 x W 350</td>
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<td>120</td>
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<tr>
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<td>L + 40 x W 630</td>
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<td>200</td>
<td>220</td>
<td>240</td>
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<td>200</td>
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<td>200</td>
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### Multi Stall Urinal Drawings

**2A:** UREG - Regency Urinal

- Full length 25 x 65mm DURAGAL ‘C’ channel rear affixed with stud and wingnut fired to rear of flutes
- Batter / fall on face is 75mm over height
- Ø38mm Inlet assembly
- 16mm Stainless Steel angle legs on each end and spaced intermittently along front and rear of gutter

**2B:** USAN - Sanistep Urinal

- Full length 25 x 65mm DURAGAL ‘C’ channel rear affixed with stud and wingnut fired to rear of flutes
- Batter / fall on face is 75mm over height
- Ø38mm Inlet assembly
- 16mm Stainless Steel angle legs on each end and spaced intermittently along front and rear of gutter

**2C:** UESI - Esiflow Urinal

- Full length 25 x 65mm DURAGAL ‘C’ channel rear affixed with stud and wingnut fired to rear of flutes
- Batter / fall on face is 75mm over height
- Ø38mm Inlet assembly
- 16mm Stainless Steel angle legs on each end and spaced intermittently along front and rear of gutter

**2C:** USUP - Superstep Urinal

- Full length 25 x 65mm DURAGAL ‘C’ channel rear affixed with stud and wingnut fired to rear of flutes
- Batter / fall on face is 75mm over height
- Ø38mm Inlet assembly
- 16mm Stainless Steel angle legs on each end and spaced intermittently along front and rear of gutter

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**Urinal Models and Dimensions**

- **UESI:** L x W 330 (180 mm) 
- **UREG:** L x W 610 (200 mm) 
- **USAN:** L x W 610 (220 mm) 
- **USUP:** L x W 900 (240 mm) 

**Urinal Trench Dimensions (mm):**

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