Dolphin recommended mounting heights for accessible washrooms
### Dimensions associated with comfortable and extended reach ranges (in mm)

<table>
<thead>
<tr>
<th>Person</th>
<th>Access</th>
<th>Reach angle</th>
<th>Height</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Comfortable</td>
<td></td>
<td>Comfortable</td>
</tr>
<tr>
<td>Wheelchair</td>
<td>Front</td>
<td>+70°</td>
<td>1000</td>
<td>90</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Horizontal</td>
<td>(750)</td>
<td>180</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-24°</td>
<td>650</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td></td>
<td>+70°</td>
<td>1060</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Horizontal</td>
<td>(750)</td>
<td>220</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-24°</td>
<td>665</td>
<td>220</td>
</tr>
</tbody>
</table>

Note: Suitable for Wheelchair & Ambulant Disabled
Dolphin recommended mounting heights for ambulant disabled cubicle
Dolphin recommended mounting heights for standard washrooms accessible to ambulant disabled users

850 Male
800 Female

Airspeed
Hand Drier

Combination Unit - Low Example

Combination Unit Bin Flap Lowest

Combination unit Paper Towel Disp Highest

Combination unit Soap Dispenser

Dolphin Dispensers Technical helpline 01424 202224
Recommended mounting heights for washrooms accessible to ambulant disabled users

When designing the washroom, the maximum and minimum mounting heights for each item should be considered carefully. The 'Dolphin Team' sees these guidelines as a good guide for all washrooms (except Accessible Washrooms, see page 420) including washrooms accessible to ambulant disabled users. The dimensions outlined on this sketch are intended to provide a guide only and in the main follow British Standard BS8300:2009. However, each washroom project should be considered on its own merits, ensuring facilities are designed and fittings chosen and mounted in such a way as to give all washroom users, whatever ability, the most comfortable washroom experience possible. Please do not hesitate to contact the Dolphin Technical Helpline for assistance at any time – 01424 202224.

Dimensions associated with comfortable and extended reach ranges (in mm)

<table>
<thead>
<tr>
<th>Person</th>
<th>Access</th>
<th>Reach angle</th>
<th>Height Comfortable</th>
<th>Height Extended</th>
<th>Depth Comfortable</th>
<th>Depth Extended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambulant Disabled</td>
<td>Front</td>
<td>+70°</td>
<td>1500 (850)</td>
<td>1625 (850)</td>
<td>200</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Horizontal</td>
<td>750</td>
<td>700</td>
<td>280</td>
<td>450</td>
</tr>
</tbody>
</table>
<pre><code>             |        | -24°        |                    |                 | 180               | 310            |
</code></pre>
Dolphin recommended mounting heights for standard washrooms

Dolphin Dispensers

www.dolphindispensers.co.uk

Installation Guide

Dolphin Dispensers 323
Nappy Changing Unit Installation
stainless steel units

Steel Units

Each stainless steel unit can either be surface-mounted or recessed. A matching stainless steel cover frame is available for surface-mounted installations.

Recessed fixing in masonry

Each unit has six recess mounting holes. Form the opening in the brick or blockwork wall, incorporating an appropriate lintel to span the opening. Install rough timber fixing grounds and screw fix the changing unit to the reveals of the opening using minimum 5mm screws. Before final tightening, insert packing shims as necessary for alignment and to obviate any distortion on tightening. Use either flat head screws with finishing washers and flat washers or pan head wood screws with flat washers, making sure that consideration is given to the operating clearance and that the back flange of the unit neatly masks the opening and the termination of the wall finish.

Recessed fixing in studwork

Timber double stud blocking is necessary around the opening. After locating the unit within the framed opening, insert packing shims as necessary for alignment and snug fitting. Secure the unit to the blocking using minimum 5mm flat head wood screws with finishing washers and flat washers or pan head wood screws with flat washers, making sure, as with all fixing methods, that consideration is given to the operating clearance.

Surface mounting

The unit can be fixed directly through the back plate using screws and appropriate wall plugs and plastic caps to cover the screw heads. A matching stainless steel cover frame is available for surface-mounted installations which engages the changing unit with a snap fit. The cover frame covers the otherwise exposed edges and provides a neat finishing surround.

Recommended mounting height to base of unit:
Standard – 900mm
Wheelchair – 790mm

- In all mountings, the flat fender washer must be inserted underneath the finishing washer: installing the unit using only the finishing washer may result in the washer biting directly into the body of the unit with consequent damage and loss of stability.
- Nappy changing units are no stronger than the anchors or substrates to which they are attached and as such must be firmly secured in order to support the loads for which they are intended.
Polyethylene Units
Each unit has four mounting ports based on a traditional 400mm stud spacing.
Two additional ports are provided for optional use. All fixings are supplied with each unit to cater for fixing to either solid masonry or studded wall constructions.

Fixing to masonry
Secure the unit to brick and concrete block substrates using four 5mm x min. 75 mm wood screws into proprietary wall plugs.
The flat fender washer is to be inserted underneath the finishing washer. Finally, insert the snap-fit plastic covers in each fixing port to cover the fixings.

Fixing to studwork

1. Mark out and drill fixing holes. Insert toggle.
2. Twist toggle freely to gain purchase on the supporting member. There should be a minimum cavity clearance of 65mm to allow the toggle bar to turn.
3. Push the integral disc along the toggle to make a snug purchase on the wall face. The toggle strands are rachetted to hold the disc in place.
4. Cut off the surplus projection of the toggle and offer up the unit for fixing.
5. Align and engage the fixing bolt in the threaded toggle bar with washers engaged. The flat fender washer is to be inserted underneath the finishing washer. Finally, insert the snap-fit plastic covers in each fixing port.

Recommended mounting height:
Standard – 900mm
Wheelchair – 790mm

Alternative fixing method to studwork
The BC 100-EH/BC 100-EV unit can be fitted with the EZ Mount backer plate to provide an alternative method of fixing to studded walls.
Two galvanised steel mounting bars are supplied, one pre-fixed to the rear of the unit and the other loose for fixing to the wall. The wall bar has a multitude of fixing holes to cater for variable stud positions.