Concrete Washout, pH Adjustment & Water Recycling Unit

CAPTURES waste concrete solids

NEUTRALISES pH level of waste water

SEPARATES fine solids from water

RECYCLES treated water for washing

IDEAL FOR TREATING WASHWATER FROM CONCRETE SKIPS & PUMPS, TRUCK MIXER CHUTES, ETC

t: 01600 772256
e: enquire@siltbuster.com
w: www.siltbuster.com
Did you know?

The use of Carbon Dioxide to neutralise highly alkaline water has significant advantages over the traditional method of employing concentrated acid for pH reduction. Specifically:

1. Water neutralisation can be more precisely controlled, eliminating the risk of pH values becoming too acidic (less than 6.5)
2. Health & Safety concerns are reduced as plant operators are not required to handle strong acids.
3. Decommissioning of the treatment system is simplified. In a traditional process, excess acid would need to be disposed of as a hazardous waste, whereas, partially spent Carbon Dioxide cylinders can simply be returned to the supplier.

Big pHil® is an all new combined Concrete Washout and pH adjustment unit. Its unique design enables the on-site capture, treatment and neutralisation of highly alkaline, and cement-laden washwater from concreting plant equipment – this includes crane skips up to 2,000 litres capacity and concrete pumps etc.

Washwater run-off, containing excess cement, can often have an alkaline value of circa pH 13 – similar to that of household bleach. Utilising Siltbuster’s innovative and popular CO₂ pH adjustment system, Big pHil automatically treats the washwater run-off, capturing the waste concrete, extracting the fine solids and neutralising the remaining water for recycling. In doing so, the unit reduces the pH of the water to between pH 6 and 9, inline with Environment Agency and SEPA guidelines. Consequently, Big pHil negates the need to discharge/tanker water off-site.

Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Big pHil Unit (excluding ramp)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Length</td>
</tr>
<tr>
<td>Unit Size</td>
<td>6.1m</td>
</tr>
<tr>
<td>Carcuss Material</td>
<td>Mild Steel (EN10025 S275) shotblasted to min. SA2.5</td>
</tr>
<tr>
<td>Surface Protection</td>
<td>2 Pack High Solids Anti-corrosive Epoxy Primer; Modified Acrylic External Finish. Units supplied in RAL501 Blue as standard, other colours to order</td>
</tr>
</tbody>
</table>

HIRE, SALES & TECHNICAL SUPPORT

Call: 01600 772256
Email: enquire@siltbuster.com
Visit www.siltbuster.com

For full details of how we can assist with waste concrete handling and the treatment, pH adjustment and recycling of high alkaline washwater – please see contact details below