

Big pHil[®]

from

Siltbuster[®]

**Concrete Washout,
pH Adjustment &
Water Recycling
Unit**



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

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CAPTURES
waste concrete
solids



NEUTRALISES
pH level of
waste water



SEPARATES
fine solids
from water



RECYCLES
treated water
for washing

Big pHil®

from
Siltbuster®

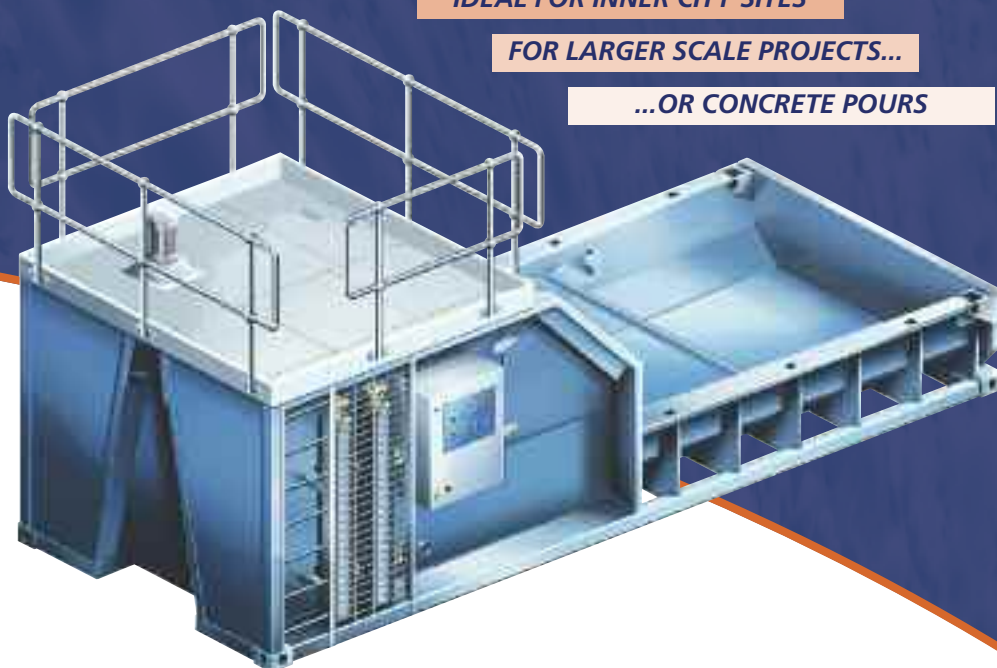
LOW LEVEL RECEPTION AREA

ACCESSIBLE FROM 3 SIDES

IDEAL FOR INNER CITY SITES

FOR LARGER SCALE PROJECTS...

...OR CONCRETE POURS



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 upto 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.

PLAN

SIDE ELEVATION

REAR ELEVATION



Specifications	Big pHil Unit (excluding ramp)			
	Length	Width	Overall Height	Weight
Unit Size	6.1m	2.4m	2.97m (inc. handrails)	4.5 tonnes (Dry Unladen)
Carcass Material	Mild Steel (EN10025 S275) shotblasted to min. SA2.5			
Surface Protection	2 Pack High Solids Anti-corrosive Epoxy Primer; Modified Acrylic External Finish. Units supplied in RAL501 Blue as standard, other colours to order			

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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

**HIRE, SALES &
TECHNICAL SUPPORT**

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Email:
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Visit
www.siltbuster.com