



SILTEATER Automatic Hopper Discharge System (AHD):

- removes operator involvement
- recycles 100% of the water & material produced from the wheel washing process

Have the silt from your Hippowash discharged automatically with the AHD-system.

4" pneumatic knife valves are fitted to the conical hoppers and are powered by a low maintenance air compressor located in the combination unit.

Silt is automatically discharged periodically either at pre-determined intervals or at specific times of the day, programmable from a digital control panel.

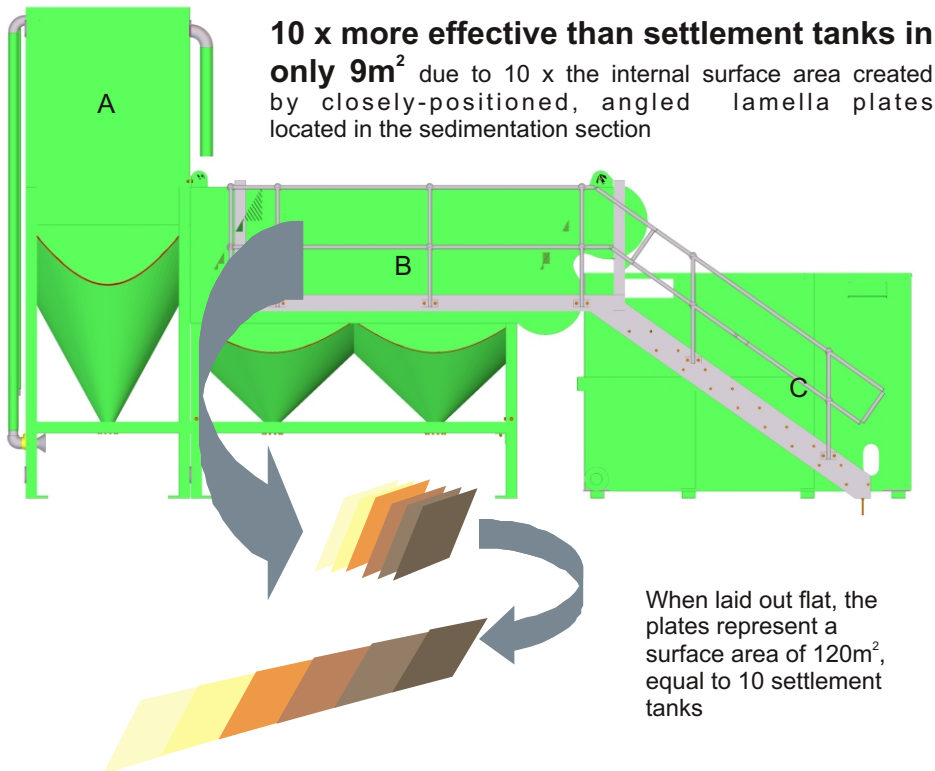
100% Recycling

You can recycle 100% of the material discharged from the SILTEATER by collecting it initially in a two-chamber de-watering slab. The chambers should be divided by a weir wall such that the supernatant water can flow over into a clean section. From here it can be pumped back into the SILTEATER using a small submersible pump. The material in the larger section can be left to de-water before transferring back to site.



AHD system in action

The SILTEATER by Hippowash®



SILTEATER receives water from the wash platform via the surge tank (A). Here, the flow rate of the incoming water is slowed down to the right speed for optimum sedimentation. The water enters the sedimentation section (B) through side channels that evenly distribute the water upwards and over the inclined, parallel plates. The solids settle on to these plates then slide down into the steep-sided conical hoppers at the base from where they can be discharged when required. The treated water flows through further filtration plates until it reaches the wide outlet leading to the header tank (C) where it is stored until the next wash.

SILTEATER vs Settlement Tanks

It's more effective with **SILTEATER** as suspended solids quickly settle out of the wash water firstly onto plate surfaces, which are only ever a few millimetres away, then into the hoppers below. Silt discharge is easily done by lever-operated handles.

In contrast, settlement tanks are voids, so suspended particles have the depth of the tank to fall before contacting a surface and settling out (usually 2 metres). Each wash sends them into agitation once more so on busy sites, this could mean the particles are being re-used in the washing process and can only ever settle out overnight. Silt removal from settlement tanks requires specialist equipment (usually vacuum tankers or gully suckers) and a full refill of clean water.

SILTEATER Specification

Length	5.7m
Width	1.5m
Height	4.5m
Weight (full)	15 tonnes
Weight (empty)	4 tonnes
Settlement capacity	Equal to 120m ²
Finish	Shotblast SAE 2.5 2 pack primer 2pack gloss
Warranty	5 years on steel

Supplied complete with
- galvanised steel access stairs/platform
- green flexible discharge hose

Installation on a concrete pad (10m x 2m) for optimum flow and solids removal

