



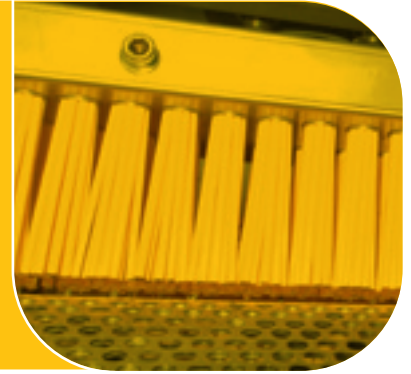
ACE Screener[®]

Screening & Screenings Handling



ACE Screener®

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The 3rd Generation

Haigh's range of ACE Screeners® cover inlet flows from 0-100l/s and are designed specifically for use in waste water and sewage treatment works. Installation flexibility is a key attribute, allowing project designers to use an ACE Screener® in virtually any situation, including retrofit into existing civil structures, new build channels, or as pipeline sections.

Zero washwater

One of the great advantages of the ACE Screener® is that it requires no wash water whatsoever. Often the cost of potable or piped in water is not included in the whole life cost of an installation, when up to 70 tonnes of water are used by some competitor products per day. The capital cost of a Screener can soon be recovered.

Low volume screenings

Screenings are an unavoidable but unwanted by-product of sewage treatment so at Haigh we design our equipment to produce the minimum screenings residue by putting as much of the organic material back into the flow. The small amount left over is then dewatered, compressed and dried. The original screenings volume is reduced by 94% so bin and skip use and odour are considerably reduced.

High Screenings capture - 64% highest in its class

Capture is obtained by the 6mm perforated screen plate (we can also screen to 3 or 2mm) which is swept by the Lisab brush when the inflow reaches a set level up the screen. The screen collects solids over 6mm and transfers them to the ACE Pump.

Maximum organics returned to treatment

Organics removed from the flow are a problem so ACE Screeners® are designed to keep them there where they can improve downstream processes and limit residual solids to less than 5% of the original screened material. The resulting end product screenings are cleaner, with little smell and are easier to dispose of.

Low Headloss - Less than 100mm

Haigh's ACE Screener® has proven very low installed headloss making it ideally suited to Retrofits and Sites with hydraulic limitations.

“Retrofitted or in a New Works, our team of design engineers have the skill and experience to provide an innovative and efficient quality solution.”



Waste Water Experience & Innovation

ACE Screener®

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More powerful process capacity

It is widely recognised that weather changes mean longer dry spells and more severe storm flushes. Also, increased use of CSO's within catchments increases short term screenings loads. Our screen units feature:-

- Strong robust construction for the screen frame and drive components
- A powerful ACE Pump to process screenings and deliver to greater heads
- A larger hopper caters for increased screenings loading
- A larger Lisep and Lipactor combination caters for increased screenings load without compromising on dryness, cleanliness and volume reduction objectives for processed screenings.



Increased Hydraulic Flexibility

Along with increased screenings process capacity, the next generation ACE Screener® has control and configuration options to cater for higher instantaneous flows with higher screenings volumes.



- A high level over-ride provides intelligent control in storm conditions, so that the screen adjusts its mode of operation until the high level subsides
- On 'I' series units an optional 'lowered' toe configuration allows the screen to better handle high flow differentials between dry weather and storm peaks.
- Built in flow control is standard. V notches allow levels to be adjusted for optimum performance



Improved Maintainability

By continually assessing and integrating feedback we ensure continuous improvement at every stage of design and development. Our next generation of ACE Screener® is no different.



Laser Profiled Location Bosses
Brush arms and brush cartridges use laser profiled location bosses and quick release fixings. This means faster and simpler removal of brush arms – so less downtime.



Faster & Simpler Removal
Faster and simpler removal of screen cartridges – so less downtime.



Advanced Geared Drives
Geared drives are now secured using a clever keyhole slot and a single accessible locking bolt. This allows a vertical lift of the gearbox to remove and replace.



Service with Fewer Tools
Design effort has gone into making sure that the minimum number of fixing sizes and types are used, so fewer standard tools are needed.

- Water Efficient
- Easily Maintainable
- Low Headloss
- Hydraulic Flexibility
- Low Volume Screenings
- Easily Installed





Waste Water Experience & Innovation



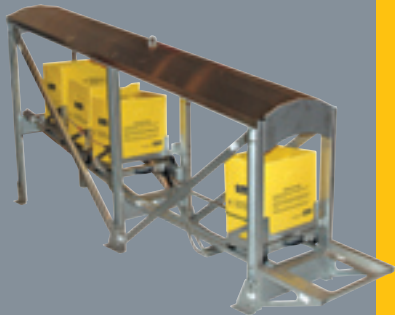
PRODUCT INFORMATION

SIZES OF CARRISKIPS AVAILABLE:

Up to 35 Litres volume

BENEFITS:

- Perfect for smaller treatment works
- Cost saving alternative to green wheelie bins
- Easy installation
- Reduces labour dependency



PRODUCT INFORMATION

BENEFITS:

- Meets landfill regulations
- Designed for Haigh Lipactors
- No bagging unit required
- Better screenings
- Simple installation
- For better manual handling on site

Carriskip

Convenient Screenings Disposal System



For many smaller treatment works serviced by ACE Screeners® the capacity of skips or mini skips is too large to be cost effective and green wheelie bins have been used as an alternative on many sites.

Customer feedback prompted us to develop the Carriskip. This system removes the dependence on individuals to manually empty a bin and gives far greater health and safety security when handling screenings.

The Carriskip provides a man-portable bin that can be sealed, stored and transported easily. Individual Carriskips

will be lined with a standard plastic bag. Once full the bag can be tied closed, effectively sealing the screenings in. The tops of the Carriskip can be folded over to keep everything secure.

The intention is that the boxes will need infrequent changing depending on the size of the ACE Screener® they are serving. When fitted the Carriskip is located on a stand under the LS305 discharge.

Carricell

Auto Changing of Carriskips



Designed for larger sites where single Carriskips boxes would fill quickly and also remote sites which are difficult to monitor.

Reduced whole life cost

Up to four empty Carriskips can be loaded onto the conveyor at one time. The system keeps filled boxes under cover to prevent wetting by rain.

Designed to be fully automatic the individual bogies fill with compacted solids. When they reach a set weight they trigger the leading full box to travel down the rail, allowing the next bogey to stop under the Lisep output.

The Carriskip can be used with a standard bin liner which extends the life of each box.

The Lisep station can be positioned either side of the unit for maximum flexibility.

Haigh Sales and Service backup

We're happy to get our hands dirty...

Haigh has a UK wide dedicated sales force who specialise in knowing how to bring added value to your works such as reducing civil costs, eliminating the need for site washwater, and at the same time cutting screenings skip and transport costs.

Your local Sales Manager will be pleased to discuss your particular requirements and options for Haigh equipment to suit your works. If you decide to proceed with a Haigh installation a dedicated Contracts Engineer will be appointed to your project to oversee it from start to finish.

In-house 3D modelling

Most new or existing installations will require some kind of design input for layout and services positioning and the in-house design team will produce bespoke drawings for approval.

Additional nationwide service backup is available to keep your installations working throughout it's life at optimum efficiency. Service Contracts can be arranged to periodically check equipment and advise on preventive maintenance. We endeavour to keep your Haigh equipment working at optimum performance, cost effectively for years to come.

Working with Haigh

Haigh has a Contracts Department which is dedicated to providing customer service. Design of individual projects is handled by staff who are fully conversant with Haigh products and give individual advice and support. Installation is undertaken by factory trained engineers and electricians who have in many cases served their apprenticeships with Haigh.

Haigh has a purpose built factory with the latest technology. 3D Computer Aided Design is complemented by sheet steel laser cutters, precision folding and robotic welding.

24hr Strategic Spares Supply,
Service Exchange, Framework and
Non-Framework arrangements.



“Installation can be undertaken by Haigh trained engineers and electricians who have in many cases served their apprenticeships with the company.”



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www.haigh.co.uk

It is the policy of our company to continually improve our products and accordingly we reserve the right to alter specifications and appearance without notice.

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The pulp used for manufacturing this paper is from mills that are certified to ISO 14001. ECF pulp sourced from sustainable forests.