

# TRUST THE EXPERTS

# HAIGH

Waste Water Experience & Innovation



## ACE Inlet™

Safety, performance and reliability as standard



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## The latest in screening, conditioning and dewatering in one integrated inlet

Haigh has developed a strong reputation for packaged inlet works based around the well respected ACE Screener® inlet screen. By combining modules for storm screening and grit removal, Haigh has the know-how to provide packaged inlets suitable for almost any situation.

Packaged inlets are factory built to specification, pre-wired and cabled with integrated controls ready for a fast and efficient installation. Our emphasis is modular flexibility – so design constraints are effectively removed and design compromise is reduced.

“Prefabricated inlets with access, controls and safety designed into a complete product - Haigh has the experience and capability.”

### Major benefits

- Lighting and safety designed into product
- Ease of maintenance and access as standard
- Single delivery and lift to site
- Inlet Project risk and timescales reduced
- Cost effective to install and operate
- High screenings cleaning and compaction results in reduced skip transportation and site traffic
- Reliable Haigh performance Screening with NO external wash-water required
- Innovative Grit removal process BEFORE screens reduce wear on plant
- Pre-tested as a complete integrated unit
- One supplier, one source offering a complete, ready to run inlet
- Full service and support network covering the whole of mainland UK.



“The Haigh ACE Inlet™  
is the logical  
extension from  
the established  
and popular  
ACE Screener®



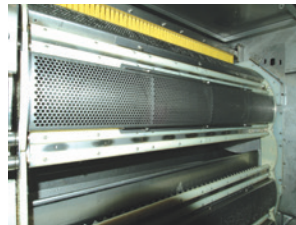
## Inlet Box

- Settlement / removal of large stones / bricks
- Flow control weir
- Overflow.



## Coarse Grit removal

- Removal of coarse grit prior to the screen to protect the plant
- Offline process, no moving parts in the main flow
- Large stones / bricks processed by integrated trash box
- Coarse grit processed by ACE Gritter, ACE Bandgritter or Manual system
- Infrequent grit system operation keeps running costs down
- Reduced wear and extended plant life.



## Fine Screening

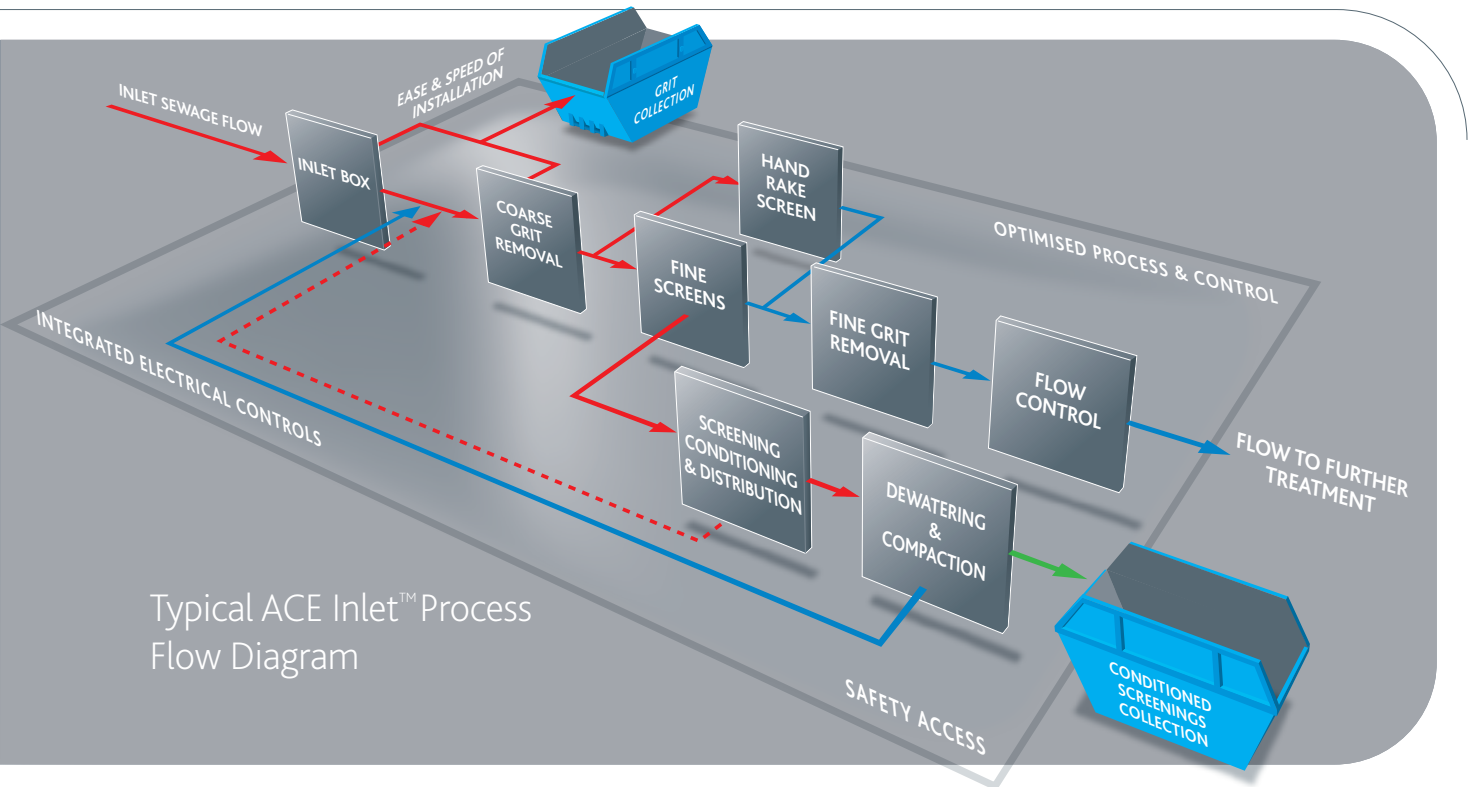
- ACE Screener® or ACE BandScreener units
- Handrake Bar screen available where manual standby is acceptable
- Individual screen plates can be changed without removing the belt
- Proven and well respected 6mm and 3mm perforations with low headloss and high capture ratio
- Duty, Duty / Standby or Duty / Assist for higher flows
- No external wash water required.



## Screenings Conditioning and Distribution

- Highly effective proven cutting action gives controlled particle size
- Strong agitation provides homogeneous waste in suspension
- Cutters can be changed within minutes with perfect alignment
- No special tools required
- Enables flexibility in location of liquid separation and compaction phase
- Distribution tank option gives cleaner, lower mass screenings providing lower disposal costs
- Fine Grit removal protection for liquid separation and compaction phase.

Handles flows of up to  
**150lps**



Typical ACE Inlet™ Process Flow Diagram



### Liquid Separation and Compaction

- High performance reliable ACE Lisep and ACE Lipactor units
- Washed, clean and compacted ACE Screenings
- Maximum organics returned to the flow to improve downstream processes
- Superior volume reduction
- Carriskip, bin or skip
- Reduced site traffic and skip transportation
- Skip location is flexible.



### Fine Grit Removal

- Settlement and removal of fine grit
- Small footprint
- Avoids need for conventional grit removal plant.



### Flow Control

- Allows flow to treatment to be regulated with remaining directed to storm
- Manual control via orifice plate
- Automated via flume and flow control penstock.



### Electrical Control

- Pre-wired
- Pre-tested
- MCC kiosk or Local Control boxes available.

### Health, Safety and Access

- Standardised access platforms
- Health and Safety designed in from the ground up
- Maintenance tasks simplified
- Access and Lighting designed in.





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# ACE Inlet™

Layout flexibility built-in as standard

## Designed to meet your needs

Haigh's packaged inlets allow designers the maximum in design flexibility. This means that in new scheme designs and renovations almost any layout is possible. Selecting the process steps required enables the basic modules to be drawn together. Available in standard format or bespoke options.



From the simplest flat plinth with an apron to allow operations staff to walk around and provide service for plant....

....to the largest prefabricated inlets with access platforms, walkways and stairs, Haigh has the capability and know-how required.

In renovations, small constrained spaces need not be a problem. A prefabricated inlet can simply be cut into existing pipelines.

#### Installation and Deliverables

Haigh make a point of carrying out as much work as possible in the factory, including pipework and cabling, to minimise the amount of site work required.

#### Time and Cost Saving

Reduced civil work requirements and off site manufacture reduces overall project delivery time, reduces costs and is more environmentally friendly.

#### Health and Safety

It is well understood that constructing traditional bespoke inlet works in concrete can pose significant challenges with respect to health and safety, not only during construction but with ongoing maintenance of equipment afterwards. Using an ACE Inlet™ reduces these risks significantly as the majority of work is done off site and maintenance considerations are built in and evolved with the product.

# 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.

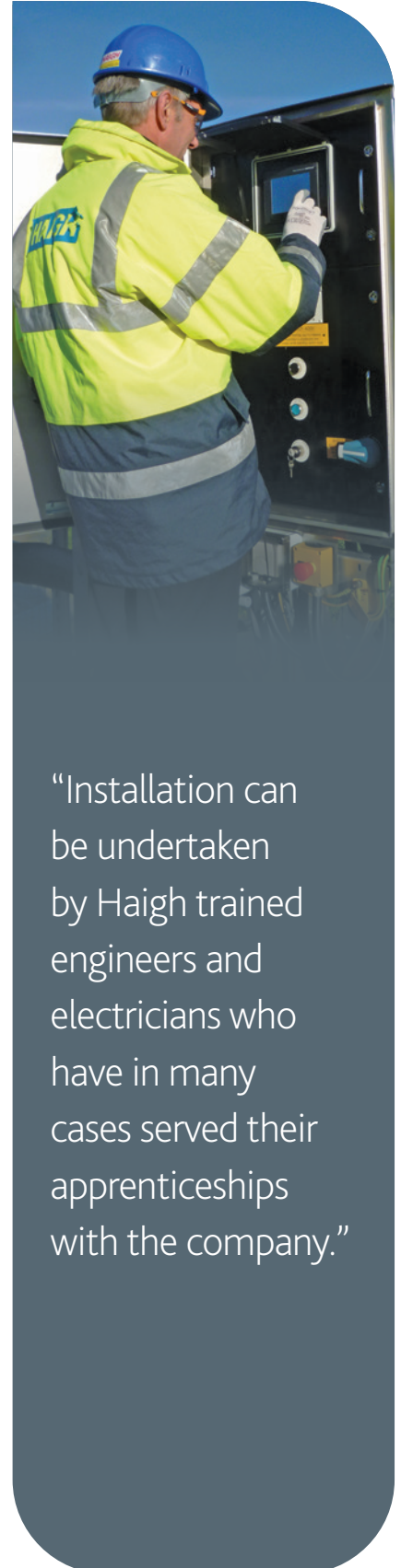
Additional nationwide service backup is available to keep your installations working throughout it's life at optimum efficiency. Service Contracts can be arranged to periodically check equipment and advise on preventive maintenance. We endeavour to keep your Haigh equipment working at optimum performance, 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](http://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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BRITISH WATER  
*expertise worldwide*

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



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