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Clients we have successfully completed work for include:

- United Utilities
- Severn Trent Water
- Glaxo SmithKline
- Anhauser Busch
- Unipart
- Welsh Water
- Department of the Environment - Water service NI
- Northumbrian Water
- Southern Water
- Anglian Water
- Scottish Water
- Sydney Water
- Brisbane Water Environmental Alliance (BWEA)
- Thames Water



CSO SCREENS



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**CSO SCREENING
SOLUTIONS**



CSO SCREENS



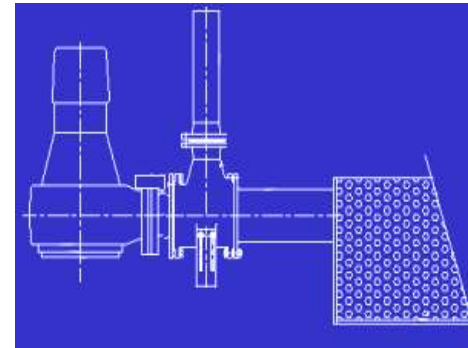
PUMP ACTION SCREEN (PAS)

Operation

The PAS is an innovative cost effective screen and like all the best ideas is very simple. The 6mm perforated stainless steel screen basket is semi circular in shape and is installed just below the weir. Flow passes upwards through the screen where solids are removed from the spill flow. The screen is cleaned using a submersible pump that uses either the screened water or unscreened storm water and a Venturi assembly that entrains air into the outlet. The resulting air/water mix scours the underside of the screen and pushes the trapped screenings passed the end of the screen back into the onward flow where they can be removed by the works inlet equipment. The pump can be mounted on guide rails so that it can be removed for maintenance without hazardous man entry.

Benefits

- 58% Solids Retention Value (SRV) at the National CSO Testing Centre (NCSOTC) Wigan UK
- 6mm screening in two directions
- Automatic cleaning system using air/water scour action
- Screen has no moving parts
- Pump supplied on guide rails for above ground maintenance
- Minimal servicing
- Can operate in a totally flooded chamber
- Robust St. St. Construction
- Screenings scoured from screen and pushed beyond end of the screen into the pass forward flow
- Easy to retro fit
- Single screens can handle flows upto 2000l/s
- Multiple units available for greater flows in excess of 2000l/s
- Low Capital and Running Costs



CSO TECHNIK CAPABILITIES

- Proposals
- Design & Supply
- Installation & Commissioning
- Testing
- Project Management
- CAD Facilities
- CSCS Trained Staff
- ISO9001
- Achilles Verify registered
- Service & Maintenance
- Spares

STATIC WAVE SCREEN



Operation

The static wave screen has no moving parts and no integral cleaning system making it a very cost effective method of screening CSO's with either small flows or infrequent spills. The screen itself is constructed from 6mm perforated stainless steel plate that is formed into a series of waves to maximise surface area and thereby flow within the smallest plan area possible. The screen is installed below the outlet weir and operates in an upward flow configuration. When the level drops there is an element of self-cleaning although manual cleaning after every storm event is recommended. Automated cleaning systems are also available if required.

Benefits

- 55% Solids Retention Value (SRV) at the National CSO Testing Centre (NCSOTC) Wigan UK
- Maximum Capacity 125 l/s/m²
- Retains all solids greater than 6mm in the pass forward flow
- Stainless steel construction (304 & 316)
- No power required
- Low capital & running costs
- Cleaning options available

ALSO FROM CSO

- Flushing Systems
- Flow Regulators
- Inlet Screens
- Screenings Handling
- Odour Control
- Ventilation Systems
- Sludge Treatment