

Application Report - No.30



Sludge & Rags



United Utilities would require a pump that could macerate the sludge and effectively reduce breakdowns, downtime, labour and repair bills giving a overall saving in life time costs

Selwood provided a C150 chopper pump driven by a 7.5kw motor on a month long demonstration to show it's reliability and efficiency together with the ease of unblocking the pump made simple with a purpose built inspection door (see below). In fact the demo lasted over 11 weeks and was 100% reliable in terms of blockages. This meant that the site operator only had to visually check the pump on routine inspections.

'Eriks' was so pleased with the demonstration that they purchased the installed pump and verbally confirmed a further two units would be ordered within the coming weeks.

Selwood believe the C150 chopper pump has an advantage over its competitors in both its performance and reliability, resulting in the reduction of the user's life time costs!

Following other recent demonstrations and successful sales, Selwood has now been confirmed as a Compliant Plant Supplier to Wessex Water for Electric Chopper Pumps for the 'Sludge Reception, Thickening & Storage' for the AMP5 framework.



Eriks Industrial Services Ltd., Merseyside contacted Justin Pick from Selwood Limited on the back of Chopper Pump literature emailed to the Eriks Plymouth branch earlier in the Year. Their enquiry was due to an existing and ongoing problem at Ellesmere Port sewage treatment works for United Utility.

With Selwood working closely with Eriks, a site visit was required to determine whether the Chopper pump would be suitable for this application and to discuss with United Utilities the problems beening experienced and the benefits of the Selwood C150 Chopper pump.

The conclusion was that the pumps currently in place were continuously ragging up, causing the engineers a considerable amount of time monitoring and unblocking the units.

When a blockage occurred it turned into a lengthy and costly process, at times taking many hours in disconnecting the pump and drive unit and clearing blockages from within the volute and around the impeller. The site engineers implied that, firstly, more of their time was spent monitoring and unblocking the existing pumps when they could be working elsewhere and secondly, when the pump did fail it required major repair work and lengthy downtime resulting in an expensive process.



Inspection door - easy cleaning.

C150	Electric	Electric Selprime
Power Requirement	7.5-15kW	11-18kW
Pump Speed	1450rpm	1450rpm
Capacity	300m ³ /h	300m ³ /h
Suction Lift	-	9.1m
Air Handling	-	24 l/s
Inlet / Outlet Port	100/150mm	100/150mm
Delivery Head	25m	25m



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