



FLOMIX - HIGH SHEAR IN LINE MIXER

Effectively incorporating polymer solutions into sludge is critical to achieving optimum flocculation prior to any thickening or dewatering application. Polymer solutions are very viscous and can be difficult to effectively mix into a thick sludge to achieve the desired flocculation without additional mixing energy.

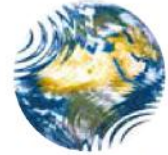
The FLOMIX unit is a high energy mechanical mixer that has been developed to optimise polymer/sludge mixing.

The FLOMIX unit has been successfully trialled on Waste Water Treatment Works dewatering sludge from advanced anaerobic digestion plants via a belt press application.

The FLOMIX unit has been able to achieve the following benefits;



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- Up to 30% reduction in polymer consumption
- Up to 50% reduction in filtrate suspended solids

In using the FLOMIX to optimise flocculation the following performance improvements have also been observed;

- Consistent cake solids achieved
- Up to 30% increase in sludge throughput achieved

Optimum results are achieved when the polymer dose is split between the FLOMIX unit and another polymer addition point.

Please visit the Floquip website @ www.floquip.co.uk for further information ;

<http://www.floquip.co.uk/products/flomix-in-line-enhanced-sludge-dewatering>