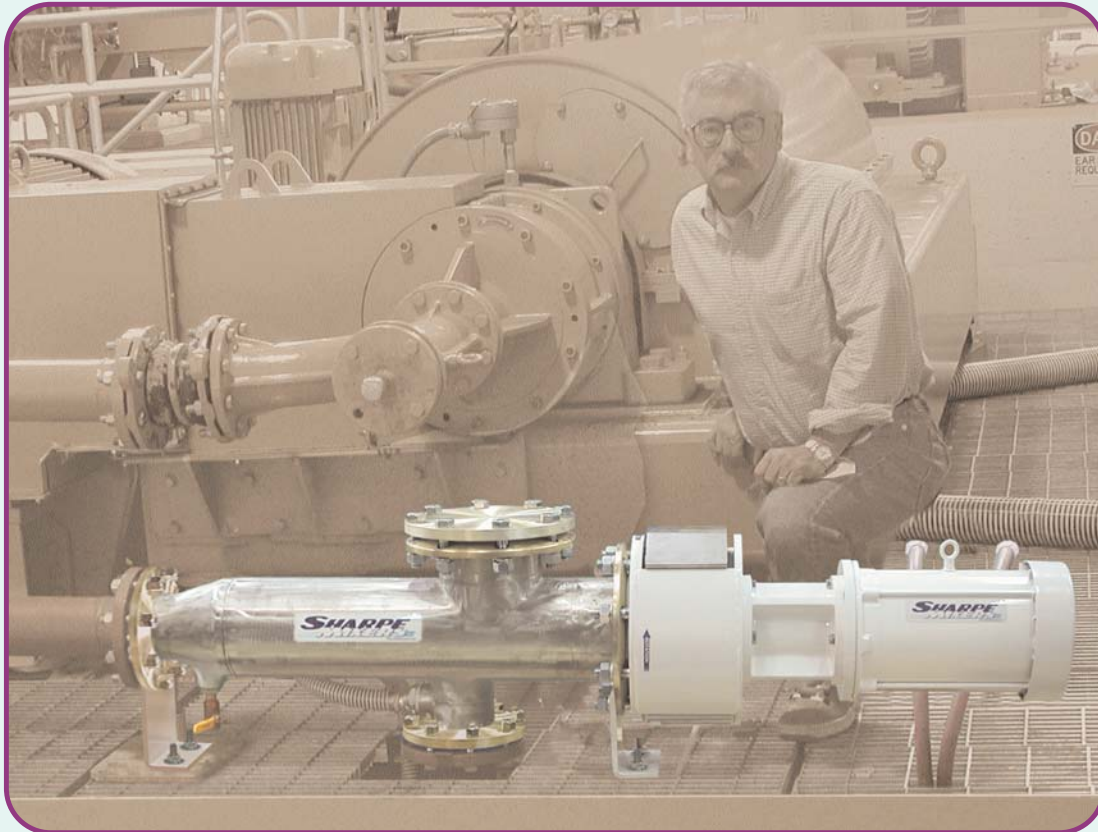


SHARPE MIXERS **SIMFLOC 5.0**

Waste Sludge Concentrator

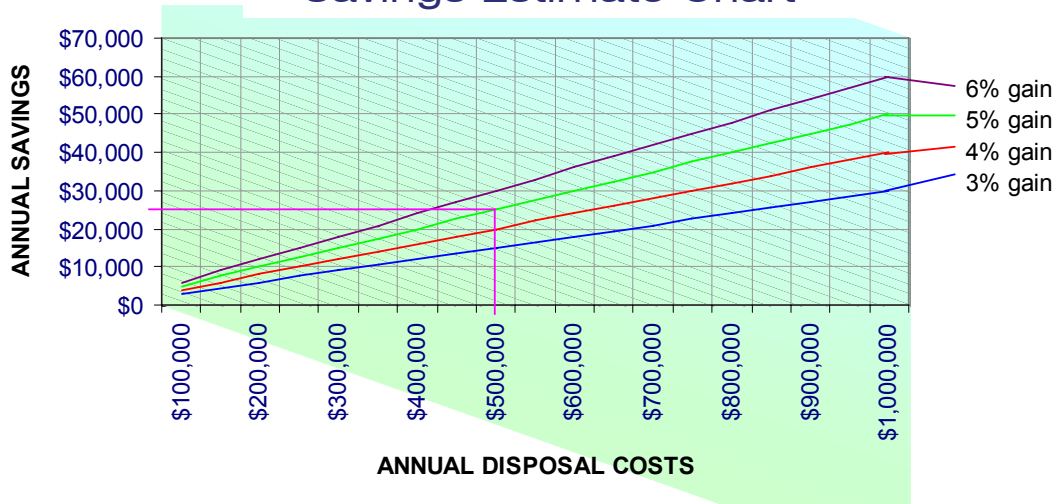
Patent Pending



Sharpe's ***SIMFLOC 5.0 Waste Sludge Concentrator*** optimizes the effectiveness of polymers on sludge separation. Removing more water from the sludge results in less sludge to get rid of; meaning less hauling and disposal costs, often while using less polymer. The system can pay for itself in a matter of months.

- Increases percentage of cake solids
- Decreases hauling & disposal costs
- Allows higher molecular-weight polymers
- Horizontal or vertical mounting
- Works with Centrifuges
- Variable speed for optimization
- Wash-Down Inverter-Duty motor
- Field tested non-ragging impellers
- Inspection port to access mixing chamber
- Stainless-Steel wetted parts
- Mechanical seal for leak-free operation
- 60-day trial test models available

Savings Estimate Chart

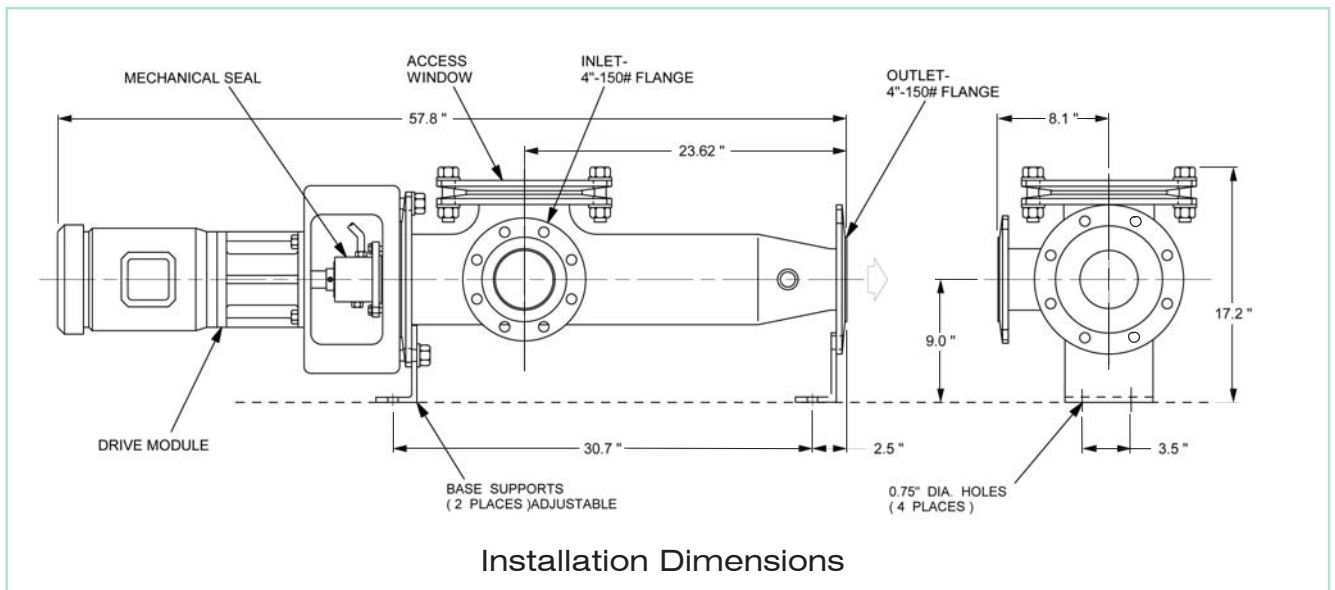


The chart shown above illustrates the savings that are possible using the SIMFLOC 5.0 optimizing system to reduce waste disposal & hauling costs. Find your typical annual costs for hauling and disposal of waste sludge along the bottom of the chart. The four lines represent different gains in sludge solids possible with the SIMFLOC 5.0. The calculated annual savings are shown on the left.

The example given is for a 5% gain in efficiency on annual disposal costs of \$500,000. This customer raised the percentage of cake solids from ~20% to over 21%, resulting in an estimated savings of \$25,000 per year. Please note that results may vary depending on the type of waste, centrifuge or belt press and the polymer used in the system. This chart is for illustrative purposes only and in no way guarantees savings on a particular waste treatment system.

The SIMFLOC 5.0 is a rugged piece of equipment designed for 24 hours/day continuous service. All wetted parts are fabricated from 300-series stainless steel for durability and resistance to corrosion. A large 6"-150# flanged access window allows inspection of the mixing chamber and impeller. Two inlet ports are provided for the introduction of polymer.

The unit may be mounted in vertical or horizontal positions, and the mixing chamber may be rotated to meet piping requirements.



Installation Dimensions

Bulletin #SIM-0103