

# Savings in polymer consumption



## Total Cost Evaluation

Alfa Laval has developed a calculation tool that shows exactly how much you can save in your decanter operation by different measures. The figures below represents a typical plant. Please contact us to for a calculation based on your specific operation.

### Result

**10%** savings in polymer consumption, representing  
**\$16,000 / £13,000**  
 savings over a 5-year period.



### Input

The following data is used per decanter.

#### Sludge Feed

Flow rate	45 m <sup>3</sup> /h
Dry Solids In	2.4 %/wt

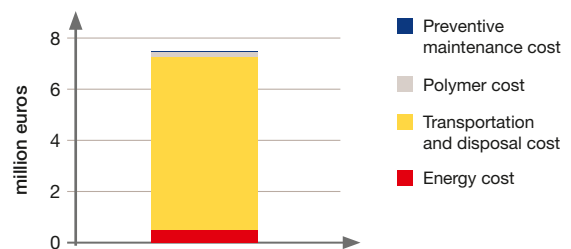
#### Decanter Information

Operation time of sludge dewatering per year	8736 hours/year
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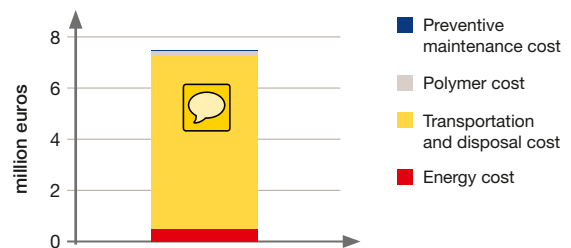
#### Utility & Other Cost

Water cost for polymer make-up	0.5 €/m <sup>3</sup>
Cost for electric energy	0.1 €/kWh
Polyelectrolyte cost	0.4 €/kg
Transport & disposal for dewatered sludge	38 €/ton (wet)

### Total evaluation cost over a 5-year period



### Potential savings over a 5-year period



Do you want to know more?

Visit [www.alfalaval.com/decanterperformance](http://www.alfalaval.com/decanterperformance)

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