

Dorr-Oliver Eimco

Automatic Pressure Control/Automatic Flow Control

Accept no less than the
original ODS® (Air Operated
Diaphragm Pump)



Pulse transfer thickening is better than ever...

Not only does this process offer continuous percent solids feed to anaerobic digesters without *conting*, it does it automatically without any plant operations involvement short of turning the pump(s) on or off! That's right! No air adjustments or cycle rate adjustments necessary!

The ODS pump automatic controls offer the following:

1. **Automatic Air Adjustment** – matching the required air pressure settings to the current head losses throughout the range of 2 to 100 psi air feed.
2. **Automatic Stroke Adjustment** – matching the pump cycle rate to the clarifier settling rate maintaining a consistent biosolids blanket depth in your clarifier at all times.
3. **Automatic Moisture/Stroke Monitoring** – the pump will shut down whenever a diaphragm fails or the pump cannot cycle due to a closed valve.
4. **Automatic Pump Sequencing** – only one pump will cycle at any given time. This is useful for multiple pump installations with common discharge piping.
5. **Remote Operation** – The ODS pump can be remotely operated by an existing PLC and computer interface. The controls can include an internal modem which will allow for remote, as well as *off-site*, monitoring for remote failure notifications and program downloads should a pump fail.



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