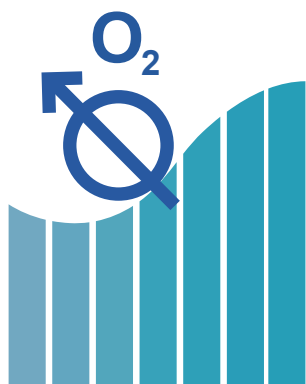


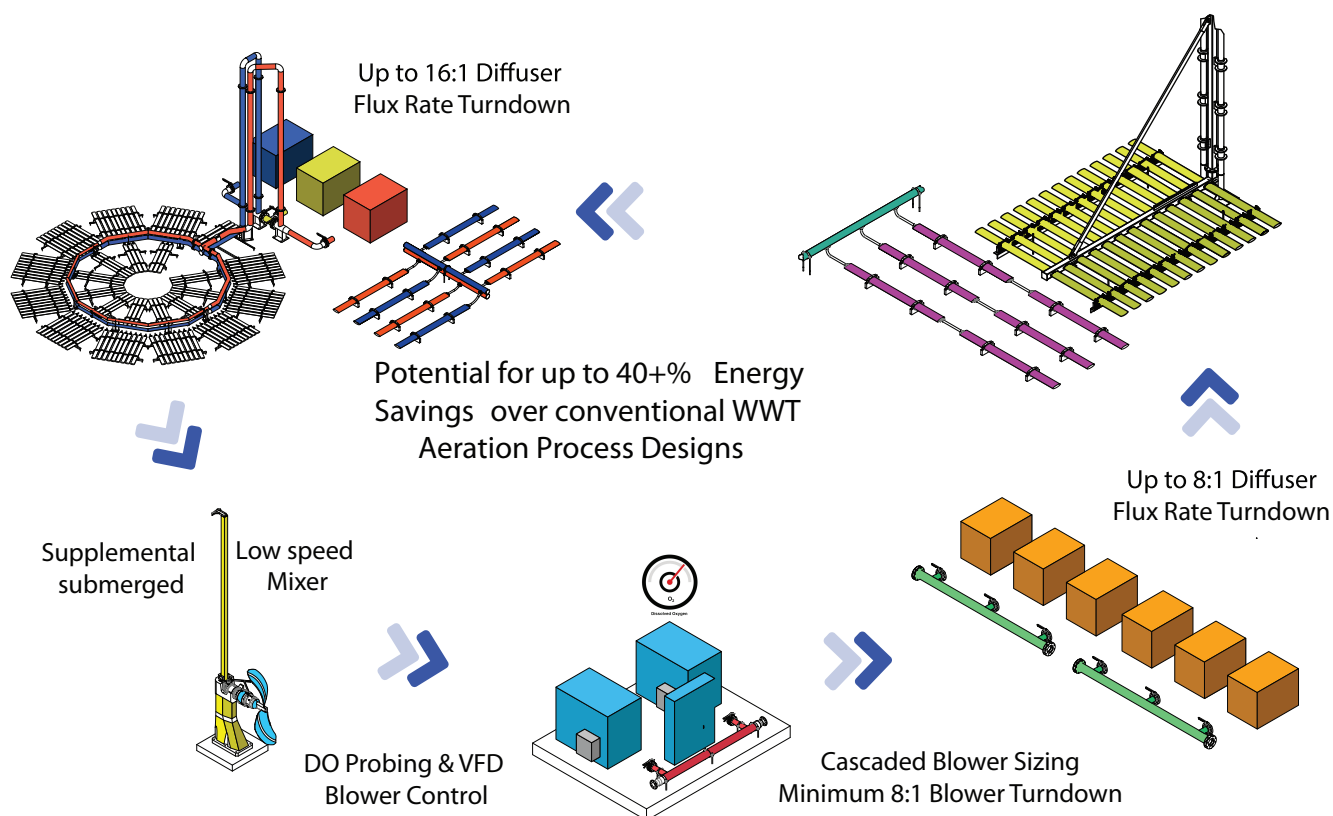


Nutrient loading driven process control

Multi-level aeration system redundancy

Yr. 1 to yr. 20+ energy conserving design

Wide range organic loading & O₂ uptake optimization



Predictable effluent, TN, TP

- BNR for low NPDES permits
- OxyLift, OxyStrip, Dual-Air-Control products

20% - 40% Energy Reduction

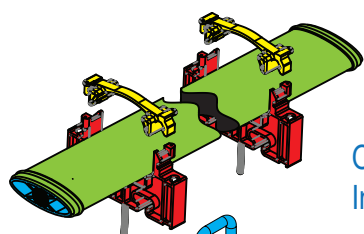
- Separate aeration from mixing energy
- Infinite recycle provides increased MLSSR

Load Oriented Oxygen Demand Supply

- DO (Dissolved Oxygen) Meter Control
- ORP (Oxidation Reduction Potential) Meter Control

Control Scheme & SCADA Monitoring

- Plant wide SCADA systems
 - LAN for Ethernet communication
- Redundancy allows for reduced capital cost**
- Anoxic and Anaerobic basin not required



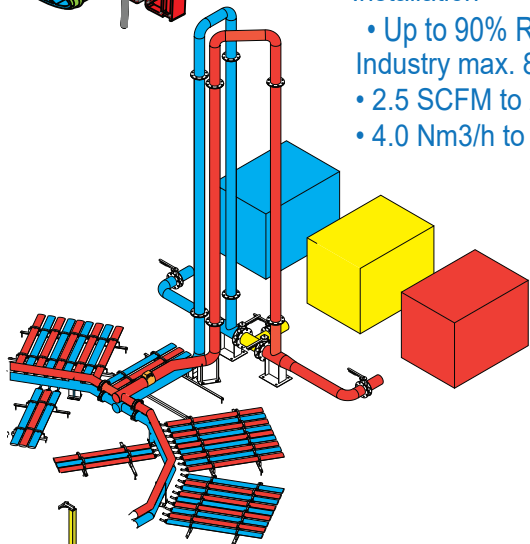
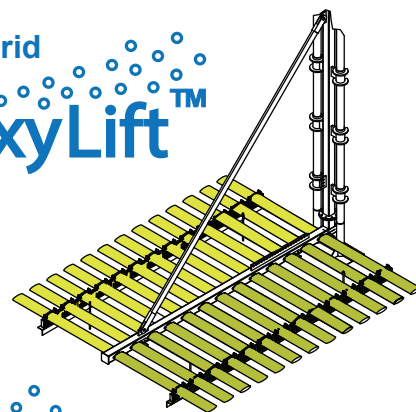
OxyStrip™

Retrievable or fixed grid

OxyLift™

One 2m long OxyStrip™ is equal to 9 times 9" disc Installation

- Up to 90% Reduction of pipe & couplings
- Industry max. 8:1 Diffuser Turn Down
- 2.5 SCFM to 22.0 SCFM range per 2m OxyStrip
- 4.0 Nm³/h to 36.0 Nm³/h range per 2m OxyStrip



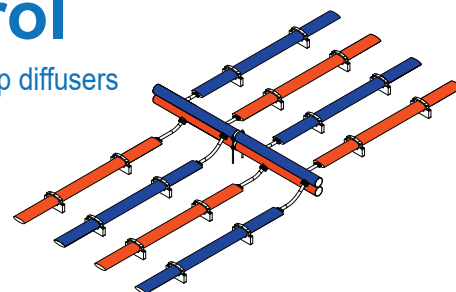
Dual-Air-Control™

One set of Dual-Air-Control – OxyStrip diffusers equals eighteen 9" disc diffusers

Airflow range:

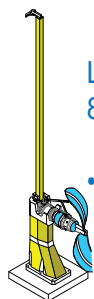
- 2.5 SCFM to 44.0 SCFM
- 4.0 Nm³/h to 72.0 Nm³/h

16:1 system turn down



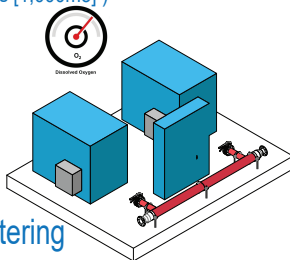
Low speed high efficiency submerged mechanical mixing
85% power reduction:

- Diffused Air Mixing 176 hp [132 kWh]
 - vs. Mixer 22.5 hp [17 kWh]
- (Example @ 15 ft. [4.6m] SWD; 2.64 mil. Gallons [1,000m³])



Load Oriented Oxygen Demand Control

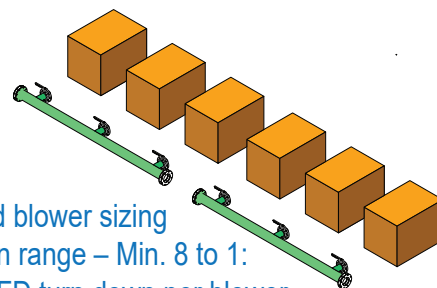
- DO (Dissolved Oxygen) Metering
- ORP (Oxidation Reduction Potential) Metering
- VFD blower control



Cascaded blower sizing

Turn down range – Min. 8 to 1:

- 50% VFD turn down per blower
- n:1 per n number of blowers



Scope of supply OxyProcess Control system:

- Diffusers system – fixed grid, retrievable, or retrievable bridge mounted
- Blower package
- Blower air manifold
- Dissolved Oxygen and ORP control for process management
- VFD Blower control cabinet
- Low speed submerged & retrievable misers
- VFD mixer motor control
- SCADA System
- Installation support & start up services

For more information, please contact your regional sales representative or get in touch with us directly:

JAEGER AERATION LLC
4175 MULLIGAN DRIVE
LONGMONT, CO 80504 - USA



WWW.JAEGER-AERATION.COM
PHONE: +1 (970) 535-0554
FAX: +1 (970) 535-0945
INFO@JAEGER-AERATION.COM

The OxyStrip™ Diffuser employs multiple patented and patent-pending technologies, utility, product design features, registered TMs and / or WWT system process controls. It is engineered and manufactured by Gummi-JAEGER AERATION LLC.

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