



The system uses compact process skids to achieve efficient mixing and contacting of air and chemicals into a water stream. These skids provide support to Flex-Chem's established method of using biological oxidation to economically treat oil and gas extraction wastewater. Modular construction and engineered features such as low horsepower requirement and small, portable footprint enable the system to easily adapt to any existing ponds, tanks, or other water impoundments.



## Performance

Flow, Max	67,200 bpd 1,960 gpm
Head, Max	70 ft
Power	60.5 hp
Flow @ BEP	65,000 bpd 1,895 gpm
Air Capacity @ BEP	195 scfm
Solids Handling, Max	1.25 in
Suction Connection	8 in
Discharge Connection	6 in
Voltage / Phase	460 VAC / 3
Frequency	60 Hz
Full Load Amps	95 A

## Process Applications

- Aeration
  - Mitigates odor
  - Control sludge & solids
  - Stabilize water quality
  - Reduce excessive algae growth
- Chemical delivery
  - Disperse through process lines
  - Compatible with most water chemistries
- Mixing
  - Bottom to top, horizontal
- Local water transfer

## Modular System

- Adaptable to existing ponds and tanks
- Portable
- Rapid deployment
- Small footprint (<500 ft<sup>2</sup>)
- Scalable

## Economical

- Low operating and installation costs
- Water assets can be operative during installation and maintenance
- Energy-efficient oxygen transfer

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