HANSON SOLUTIONS GROUP

PRO2 SERIES
Food & Beverage Wastewater

OVERVIEW

Food and Beverage Manufacturing wastewater is high in BOD, solids and presents many challenges for pretreatment.

The PrO2 is a revolutionary, patented technology that delivers truly dissolved oxygen to remediate food/beverage wastewater at a small fraction of the cost of conventional aeration methods.

- **High Capacity**
- **Low Energy Costs**
- **Low Operating Costs**
- **Low Maintenance**

The PrO2 series includes units capable of introducing a concentrated volume of dissolved oxygen treated solution at 15 gpm (6 lbs O2/hr), 80 gpm (32 lbs O2/hr, and 140 gpm (54 lbs of O2/hr.)

KEY FEATURES

- **Eliminate Wastewater Surcharges/Fees**
- **Eliminate H2S Corrosion, Gas and Odors**
- **Solids and Sludge Buildup**
- **BOD and TSS Reduction**
- **Maintain Required DO Levels**

APPLICATIONS

- Aeration Basins/Tanks
- Lagoons
- Sequential Batch Reactors
- Lift Stations
- Pretreatment
- EQ Tanks
- Biological Reactors

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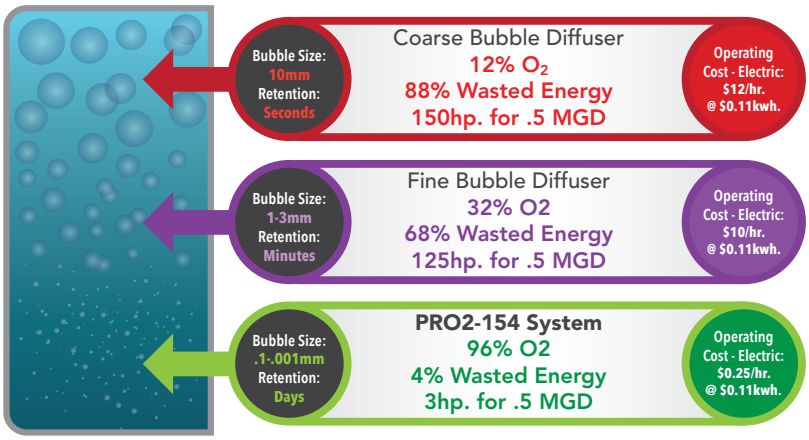
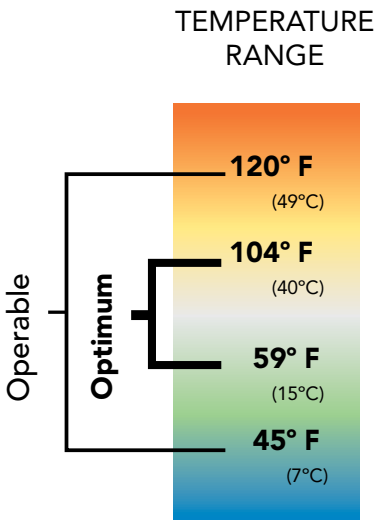
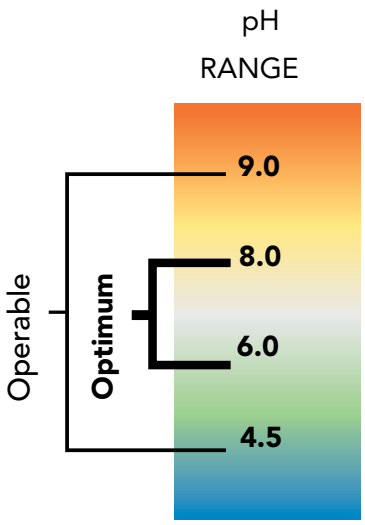
COST / EFFICIENCY



The PrO2 System produces far more dissolved oxygen than the top performing Aeration Systems on the market for 1/50th of the energy cost!

OPERATING RANGE





REMOTE ACCESS & MONITORING VIA SMART DEVICES

The PrO2 system can be controlled and monitored remotely through a cellular modem or the Internet. It is Smart Phone, Tablet, Laptop and PC accessible, with a SCADA connection for integrated monitoring.

OUTPUT

15-100 Gallons per Minute

*Multiple units may be run together to meet any volume requirement

TREATMENT CAPACITY

*Based on Biological Conditions, BOD, Flow and Retention Time

PrO2 154: to meet a 250 mg/L limit

- 13k gpd @ 5,000 mg/L BOD
- 6.5k gpd @ 10,000 mg/L BOD

PrO2 804: to meet a 250 mg/L limit

- 70k gpd @ 5,000 mg/L BOD
- 35k gpd @ 10,000 mg/L BOD

PrO2 1408: to meet a 250 mg/L limit

- 130k gpd @ 5,000 mg/L BOD
- 65k gpd @ 10,000 mg/L BOD

OXYGEN DELIVERY

PrO2 154:
6 lbs./hr. @ 70° F (21.1° C)

PrO2 804:
32 lbs./hr @ 70° F (21.1° C)

PrO2 1408:
54 lbs./hr @ 70° F (21.1° C)

PURCHASE OPTIONS

Purchase, rental or long term lease

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