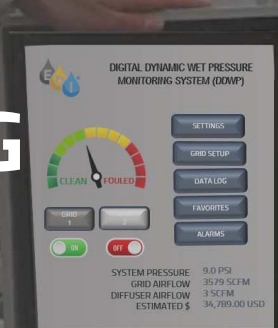




SPECIFICATION

DIGITAL DYNAMIC WET PRESSURE MONITORING SYSTEM (DDWP)

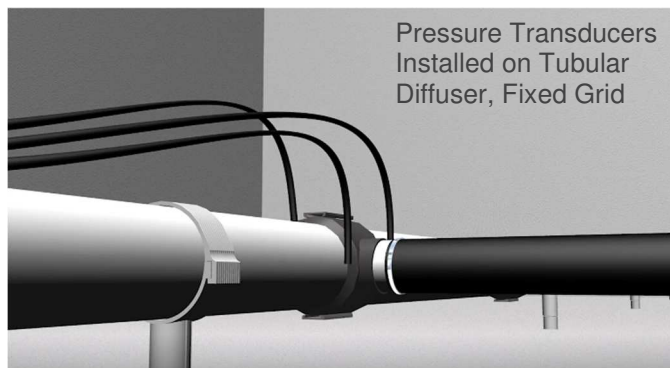


Fine bubble membrane diffuser fouling and product aging significantly impact an aeration System's pressure loss and energy consumption.

Monitoring aeration changes over time can prevent undesirable effects like low dissolved oxygen levels, increased maintenance costs, or reduced treatment performance and EDI's Digital Dynamic Wet Pressure Monitoring System ensures optimal aeration efficiency and economy of operation reducing the workload of plant operators by performing such monitoring with reliable technologies.

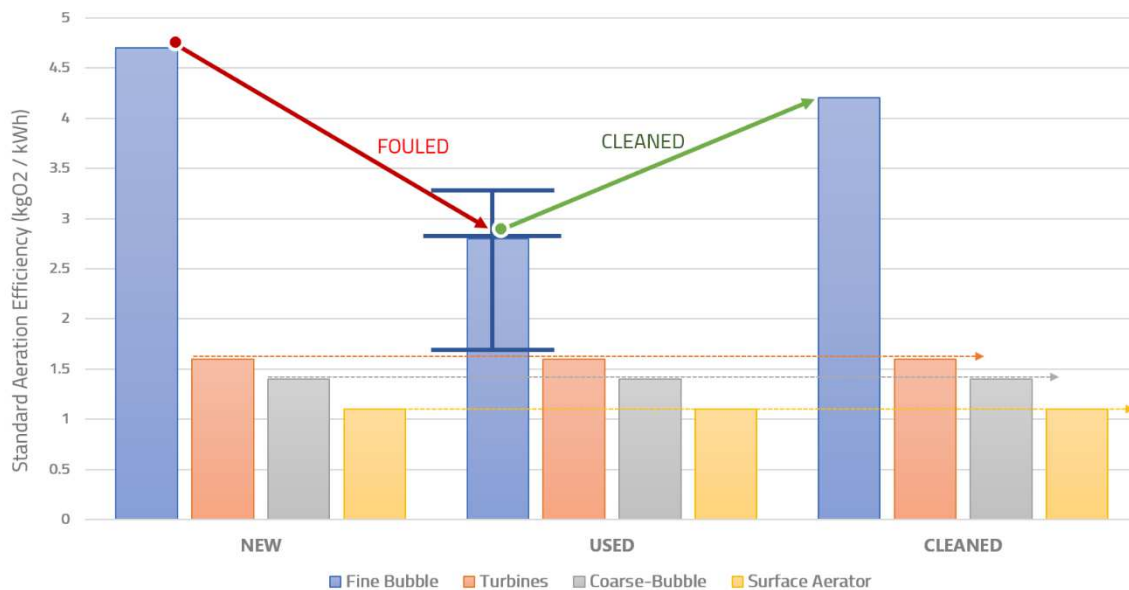
Features and Benefits

- Continuously analyzes Current Dynamic Wet Pressure readings and compares them against established values at peak performance.
- Collects performance readings for the aeration system operating lifespan.
- Human Machine Interface (HMI) can be connected to any PLC or SCADA system.



Pressure Transducers
Installed on Tubular
Diffuser, Fixed Grid

- Issues warnings when pre-established pressure levels exceed acceptable thresholds and Suggests maintenance of aeraton units when appropriate.
- Allows monitoring of pressure data from various aeration grids in a single equipment
- Calculates yearly energy savings requiring diffuser cleaning or replacement, improving maintenance cycles and reducing down time for corrective maintenance,
- Helps to maintain or increases oxygen transfer efficiency and reduce operating costs.
- Integrates seamlessly with [EOSi's](#) Nitrack for chemical storage, feeding sampling, and monitoring and can help control acid Cleaning digital Systems.



Fine bubble diffusers lose aeration efficiency over time due to fouling. According to the above chart from Stenstrom and Rosso (20028), cleaning fine-pore membrane diffusers could substantially restore that efficiency.

Working with EDI is easy:

1

We walk you through exactly what project info we need. Call +1 573 474 9456 or visit wastewater.com.

2

We supply drawings, specs, best-in-class aeration, support, even install!

3

You rest easy, knowing your plant has **Aeration for life®**



SPECIFICATION: DDWP
(SS163-EA-24-01)