

OXYLOCK®

ELIMINATE DISSOLVED OXYGEN.
ELIMINATE CORROSION.
PROTECT WHAT MATTERS.

WORLD'S FIRST TRUE OXYGEN ELIMINATION TECHNOLOGY

Adsorption-Based • Chemical-Free • Zero Oxygen • Zero Compromise

OXYGEN
100%
ADSORBED
ZERO
DOSING

THE OXYLOCK ADVANTAGE

 **REMOVES DISSOLVED OXYGEN TO NEAR ZERO**
Down to < 10 ppb for true anoxic protection

 **CHEMICAL-FREE TECHNOLOGY**
No hydrazine, sulfite, carbohydrazide or any chemical dosing

 **CORROSION PROTECTION**
Prevents rust, pitting and microbial corrosion in pipelines and systems

 **LONG LASTING PERFORMANCE**
High capacity media with long service life and minimal maintenance

 **LOW OPERATIONAL COST**
No chemicals, no waste, no handling – just reliable protection

 **GLOBAL IMPACT**
Better efficiency, longer asset life, lower emissions



**OXYGEN ELIMINATION THAT WORKS.
PROTECTION THAT LASTS.**

IDEAL FOR CRITICAL APPLICATIONS

 **BOILER & STEAM SYSTEMS**
Prevent corrosion and maintain steam purity

 **COOLING WATER SYSTEMS**
Stop corrosion, biofouling and scale formation

 **RO SYSTEMS**
Protect membranes, extend life and improve efficiency

 **HYDROGEN PURIFICATION**
Remove oxygen to protect catalysts & ensure purity

 **LEGIONELLA CONTROL**
Eliminate oxygen, eliminate risk

 **SEMICONDUCTOR & HIGH PURITY SYSTEMS**
Ultra-pure water requires zero oxygen

 **NUCLEAR & POWER PLANTS**
Ensure safe, anoxic environments

HOW OXYLOCK WORKS

ADVANCED ADSORPTION & CATALYTIC FRAMEWORK



OXYGEN BINDING & LOCKING WITHIN THE MEDIA MATRIX
PHYSICAL ADSORPTION + CATALYTIC BINDING = PERMANENT LOCK

TECHNOLOGY HIGHLIGHTS

- ✓ High surface area carbon (~7000 m²/g)
- ✓ Proprietary MOF media with integrated anode/cathode (70% / 30%)
- ✓ Self-regenerating adsorption sites
- ✓ Stable operation, even at low temperature
- ✓ No backwashing required under normal operating conditions
- ✓ System includes EWS controller for automated valve control

PERFORMANCE GUARANTEED

TYPICAL REDUCTION

99.9%+

DISSOLVED OXYGEN REMOVAL
DOWN TO < 10 ppb

BEFORE
DO (mg/L)
5.0 – 8.0



AFTER
DO (mg/L)
< 0.01



NO CHEMICALS
NO RISKS



ZERO OXYGEN
MAXIMUM PROTECTION



EXTEND ASSET LIFE
REDUCE DOWNTIME



EASY INTEGRATION
LOW MAINTENANCE



ENGINEERED IN
GERMANY

OXYGEN IS THE ROOT CAUSE OF CORROSION. OXYLOCK IS THE SOLUTION. LOCK OUT OXYGEN. LOCK IN PERFORMANCE.

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WATCH WATER®
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