

# Sludge Solutions

## All Natural Water Quality Improvement

### IMPROVE WATER QUALITY AND BREAKDOWN ORGANIC SLUDGE

Our subsurface aeration systems expose sludge to a large population of anoxic microorganisms which rapidly consume sludge and improves your overall water quality. We offer 230 volt or solar aerator options to suit your needs.

#### AERATION BENEFITS:

Combining a range of innovative features, the Quiet Line™ & Solaer™ Aerators:

- Improve Dissolved Oxygen
- Reduce Bottom Sludge
- Decrease Offensive Odours
- Improve Water Quality
- Increase Fish & Aquatic Life
- Enhance Water Clarity
- Creates proper conditions to grow & maintain large populations of beneficial microbes
- Standard Systems for Lagoons or Dams up to 10 Hectares



#### Ideal Solution For:

- Increasing & Maintaining Dissolved Oxygen
- Decreasing Electricity Costs
- Reducing Organic Sludge & Offensive Odours

#### QUIET LINE™ MODULE SIZES

Series	Details
KR Series	2000 m <sup>2</sup> - 8000 m <sup>2</sup> 1 Adjustable Manifold 1 Compressor 1-4 Duraplate Diffusers
DR Series	8000 m <sup>2</sup> - 16000 m <sup>2</sup> 2 Adjustable Manifolds 2 Compressors 4-8 Durable Diffusers
TR Series	12,000 m <sup>2</sup> - 24,000 m <sup>2</sup> 3 Adjustable Manifolds 3 Compressors 6-12 Durable Diffusers
QR Series	24,000 m <sup>2</sup> - 32,000 m <sup>2</sup> 4 Adjustable Manifolds 4 Compressors 12-16 Durable Diffusers



KR QUIET LINE™

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Email: info@ecocatalysts.com.au  
Web: www.ecocatalysts.com.au



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### FEATURES OF QUIET LINE™ & SOLAER™ AERATORS:

- Acoustical Sound Proof Foam
- 0.37 kW Gast Rocking Piston Compressor (Quiet Line™)
- 24V Brushless DC Eco Flow Compressor (Solaer™)
- Programmable Timer for Automatic On/Off Functionality
- High Volume Cooling Blower
- Adjustable Manifold for Control of Oxygen
- Self-Cleaning, Non-Clogging, Duraplate™, Diffusers (No Maintenance)
- Fishhook Resistant Diffusers

### SOLAER™ MODULE SIZES

Series	Details
SB 1-2 Series	2000 m <sup>2</sup> - 4000 m <sup>2</sup> 1 Solar Panel 1 Compressor 1-2 Duraplate Diffusers
SB 3-4 Series	6000 m <sup>2</sup> - 8000 m <sup>2</sup> 2 Solar Panels 2 Compressors 3-4 Duraplate Diffusers



SB-1 SOLAER™

### WASTE AND SLUDGE REDUCER™

Combining the aeration process with Waste and Sludge Reducer™ (WSR™) enhances the breakdown of the accumulated organic sludge.

WSR™ targets the build-up of organic material and bottom sludge in ponds and dams and effectively eliminates offensive odours, ammonia, nitrite, nitrate and organics.

### WSR™ BENEFITS:

- Reduce Bottom Sludge
- Reduce Odours
- Reduce Suspended Solids
- Reduce Organic Waste
- Easy to use



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