

# Deaerators

## American Society of Mechanical Engineers - Menu



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### Pressurised Deaerators

This ensures the best thermal operating efficiency.

### Oxygen Deaerator

It therefore follows that the rejection rate of air from the water has to be somewhat higher than 3.

### Deaerators

Oxygen scavengers: The chemical oxygen scavenging operation is the last opportunity to remove oxygen. Since air contains 21% oxygen and 79% nitrogen.

### Sterling Deaerator Company

A deaerator, generally, reduces the oxygen level to 7ppb.

### Spray Deaerators for Boiler Systems

Note: A pilot operated pressure control valve may be used on smaller applications, and a self-acting diaphragm actuated control valve may be used when the load is guaranteed to be fairly constant.

### Deaerator Selection: Atmospheric or Pressurized

A few examples are: Southern Company, Siemens, JGC, American Electric Power, Consolidated Edison, Toshiba, Hyundai, Mitsubishi, Black and Veatch, Bechtel and others too numerous to mention. Your equipment will be disassembled, cleaned and inspected. Oxygen is the most violent.

### Boiler Deaerator Working Principle

Speed of reaction pH dependant. This temperature rise provides the driving force that accelerates the reaction so that even small quantities of dissolved oxygen can cause serious corrosion. If the boiler is rated at 50, 000 PPH then it mean it will produce 1.

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