

Membrane Deaeration

DSI's Membrane Deaeration System can improve performance and reduce overall equipment and operating costs

Membrane Deaeration achieves lower air and dissolved oxygen contents over traditional vacuum deaeration tank designs.

Increased carbonation efficiency and stability may yield higher filling speeds.

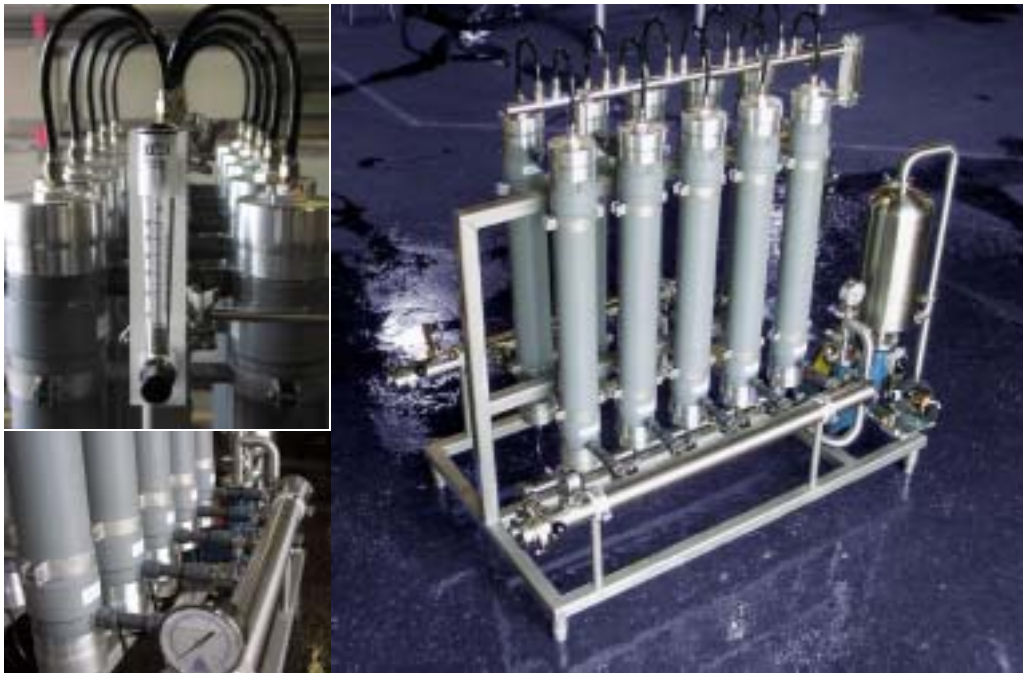
Electrical operating costs may be reduced as much as 75%.

Easily expandable in the field.

Reduced floor space requirement due to compact and modular configuration of the membranes.

No vacuum tanks or large control panels to take up space.

Easy operation and maintenance.



The DSI Membrane Deaeration System is contained on a single skid or integrated with a DSI Beverage Blender. The system is easily configured for your flow rate and deaeration level. As the flow rates increase for your system, you can add membranes in the future.



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In test after test, DSI's Membrane Deaeration System exceeded the expectations of our clients.



*CSD Test
Spring 2005*

Baseline

Inbound	4.27 ppm
Flow rate	81 gpm
In bottle O ₂	1.727 ppm
Filler	1019 cpm

10 Minutes After Cut Over

Outbound	0.17 ppm
Flow rate	98 gpm
In bottle O ₂	0.107 ppm
Filler	1250 cpm

What Do You Have to Lose?

Foam.

Filler efficiencies resulted in a decrease in foam of 2 grams per can in plant tests.

Downtime.

The plant also reported a decrease in down time, saving more than 300 minutes per week.

Process/CIP Design
Automation/Electrical Design
Fabricated Modules/Components
Installation
Project Management
Commissioning/Training
System Integration
Design/Build Projects



We serve the following industries:
Carbonated and Non-Carbonated Beverages,
Juice, Water, Food, Dairy, Pet Food, Personal
Care Products, Pharmaceutical, Household
Goods and Specialty Chemical.