

Water Blending System

The DSI Water Blending System contains the very latest technology and industry procedures for maximizing yields, providing flexible operations and improving product quality and consistency.

Specifications

Capacity	3,000 - 12,000 GPH
Blend Ratios	20:1 to 1000:1
Water Accuracy	0.20-0.50% by weight
Salts/Flavor Essence Accuracy	0.20% by weight
Beverage Accuracy	± 5.00% of target conductivity

Related Systems

Reverse Osmosis Skids
Ozone Generators
Ozone Contact Tanks
Filling and Packaging



DSI Process Systems
4630 West Florissant Ave
St. Louis Missouri 63115
800-342-5374
314-382-1525 Fax 314-382-5234
www.dsiprocess.com

Fully Automatic Operation

Automatic process valves are used for batching and blending and prevent incorrect operation of the equipment. Set up time is reduced because swing jumpers are not required for CIP connections. The system automatically switches batch tanks when one tank runs empty. Automatic balancing of CIP flow rates prevents tank flooding.

Control System

The control system allows salts stream adjustment to target precise product total dissolved solids (TDS). Color operator interface provides P&ID type graphics and intuitive operation. Full batch and CIP reports with printer. Conductivity measurement is specifically designed for ultra-pure water and provides precise and reliable measurement. Variable batch sizes or user-defined product recipes are easily selected.

CIP Flexibility

Individual CIP and rinse capability of batch tanks means flexible scheduling. The system allows CIP of one batch tank without the blending or filling system. This allows the previous run tank to be sanitized while in production. One batch tank can also be used for CIP while the other tank is running. This allows salts solution to be held over in the tank while the other tank is used for CIP.

Self-Contained CIP System

An external CIP source is not needed.

Efficiency

All systems are pre-tested at our facility prior to shipment which guarantees a quality product from the start. Piping and process are designed for no-waste and high ingredient yields.



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.