



Location: United States

AMI system enhances car wash outcomes by providing high-quality water for spot-free rinse

The car wash industry faces challenges with water quality standards, customer expectations, and environmental considerations.

Challenge

Car wash businesses depend on quality water. A car wash company was facing challenges with water quality and wanted to reduce water wastage in its operations.

Maintaining high standards of cleanliness and improving operational efficiency was a key priority for the company.

Source water is tap water with over 600 ppm TDS. High mineral content was leaving unsightly spots on vehicles and impacting the customer experience.

To address this challenge, the car wash company reached out to Applied Membranes to procure a reliable Reverse Osmosis (RO) system.

Solution

Applied Membranes engineered and built a **50 GPM (12 m3/h)** RO system for the client.

Applied Membranes customized the system to meet the client's specific needs, considering factors such as water usage, footprint constraints, and budgetary considerations.

Prior to shipment, rigorous testing and quality checks were conducted to verify the system's performance.

Key Features:

- Antiscalant
- Carbon filter
- Programmable Logic Controller (PLC)

Results

Applied Membranes manufactured a cost-effective, efficient, and reliable water treatment system for the car wash company.

High quality water: AMI system provides a sustainable solution for achieving spot-free rinsing. AMI system eliminates spotting issues and enhances the overall cleanliness of vehicles.

Improved customer satisfaction: Customers noticed a significant improvement in the quality of the car wash, leading to higher satisfaction levels and positive feedback.

Operational efficiency: The spot-free rinse from AMI RO system reduced the need for additional drying and polishing efforts, resulting in cost savings, and improved operational efficiency.

AMI systems offer sustainable solutions for car wash clients, reducing water wastage and environmental impact while providing consistent wash quality.

