

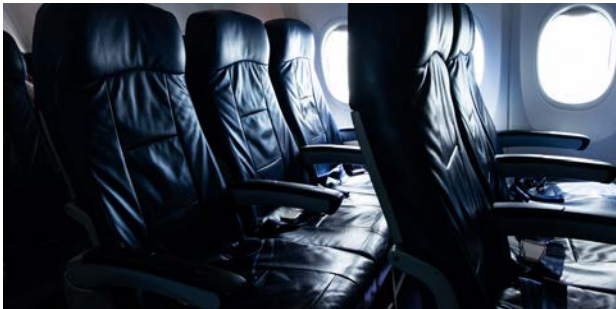
# Standard Water Treatment Solutions

## Aircraft Cleaning

AIRCRAFT  
CLEANING  
SERIES

### Why is water treatment essential for Aircraft washing applications?

Water treatment is essential for aircraft cleaning applications due to several reasons. Firstly, aircraft surfaces are exposed to various contaminants, including dirt, oil, grease, and chemicals, which can accumulate over time. Water treatment processes, such as filtration and purification, ensure that the water used for cleaning is free from impurities and contaminants, preventing further damage to the aircraft's exterior. Secondly, untreated water may contain minerals and dissolved solids, which can leave streaks, spots, and watermarks on the aircraft's surface. By treating the water, these unwanted substances are eliminated, resulting in a clean and pristine finish. Additionally, water treatment helps maintain the performance and longevity of cleaning equipment by reducing the risk of clogging or damage caused by sediment or particles present in unfiltered water. Ultimately, proper water treatment plays a vital role in ensuring effective and safe aircraft cleaning, preserving the aircraft's appearance, and protecting its structural integrity.



### How important is water for Aircraft washing applications?

Water is of utmost importance for aircraft cleaning applications for several reasons. Firstly, water is a universal solvent and an excellent cleaning agent capable of removing dirt, grime, and contaminants from the aircraft's exterior surfaces. It effectively rinses away accumulated debris, oils, and chemicals, restoring the aircraft's cleanliness. Secondly, water is a versatile medium that can be used in various cleaning methods, such as pressure washing, foam cleaning, and manual scrubbing. It enables efficient coverage of large surface areas and reaches intricate parts of the aircraft, ensuring a thorough cleaning process. Moreover, water acts as a cooling agent during the cleaning process, preventing heat buildup and potential damage to sensitive components. It also helps in the removal of de-icing fluids, salts, and other substances that can accumulate on the aircraft's surface during flight. Finally, water is readily available and cost-effective compared to other specialized cleaning agents, making it a practical choice for routine aircraft cleaning and maintenance. In conclusion, water is essential for aircraft cleaning applications due to its cleaning efficacy, versatility, cooling properties, and cost-effectiveness.

### Benefits of water treatment for Aircraft washing applications

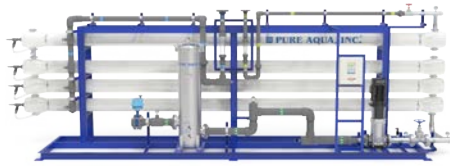
- Provide instantaneous protection
- Simple & easy maintenance
- Cost-effective solution
- Approved by international aerospace standards
- High productivity due to low energy usage
- Space saving & expandable
- Environmentally friendly

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Not treating water for aircraft cleaning applications can be highly detrimental for several reasons. Firstly, untreated water may contain impurities such as minerals, sediments, and dissolved solids. These impurities can leave behind residues, streaks, and water spots on the aircraft's surface, compromising its appearance. Moreover, these residues can be difficult to remove, requiring additional cleaning efforts and potentially causing damage to the aircraft's paint or protective coatings. Secondly, untreated water can contain harmful chemicals, contaminants, or bacteria that can corrode or degrade the aircraft's materials over time. This can lead to structural weaknesses, reduced lifespan, and compromised safety. Additionally, untreated water may not have the necessary pH balance, which can further contribute to corrosion and damage to the aircraft's surfaces. Lastly, untreated water can clog or damage cleaning equipment due to the presence of sediments or particles, resulting in decreased efficiency and increased maintenance costs. In conclusion, neglecting water treatment for aircraft cleaning applications can lead to diminished aesthetics, material degradation, safety risks, and equipment malfunctions, making proper water treatment crucial for maintaining the cleanliness and integrity of the aircraft.



### Reverse Osmosis Systems

Pure Aqua's reverse osmosis systems are vital for aircraft cleaning applications due to their ability to produce high-quality, purified water. This ensures effective removal of contaminants, prevents surface damage, and maintains the aircraft's appearance and structural integrity.



### Deionization Systems

Pure Aqua's deionization systems are essential for aircraft cleaning applications as they effectively remove ions and impurities from water, preventing mineral deposits and streaks on surfaces. This ensures a spotless and pristine finish during aircraft cleaning operations.



### Nanofiltration Systems

Pure Aqua's nanofiltration systems are crucial for aircraft cleaning applications as they provide advanced filtration, removing contaminants while retaining essential minerals. This ensures optimal cleaning performance, protects the aircraft's surface, and maintains water quality for effective cleaning.



### Electrodeionization EDI Systems

Pure Aqua's Electrodeionization systems (EDI) are crucial for aircraft cleaning applications as they provide continuous and efficient removal of ions and impurities from water, ensuring high-quality, purified water for effective and safe cleaning operations.

Pure Aqua also supplies: standard and custom engineered solutions, multimedia pretreatment, activated carbon pretreatment, ultrafiltration, nanofiltration, water conditioning, chemical dosing systems, ultraviolet (UV) sterilizers, ozonation systems, mobile & containerized water treatment solutions and water reuse systems using reverse osmosis technology.

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