



# ARC Pacific Can Washer



Engineered for Energy Efficiency, Wastewater Reduction and Process Optimization, the ARC Pacific Can Washer Operates up to 6,000 cpm

## Key Benefits

Engineered for energy efficiency, wastewater reduction and process optimization, this state-of-the-art machine features a robust stainless-steel base frame and structure while processing up to 6,000 CPM. The Can Washer is equipped with variable speed controls, allowing operators to fine-tune process efficiency while also reducing energy costs. The Automated Height Adjustment for the hold-down, operable via the HMI, facilitates seamless can size changeovers, enhancing operational flexibility.

Belvac's eight-stage modular design integrates a sophisticated counter and backflow system that includes Pre-rinsing, Pre-washing, Washing, Rinse Cycle 1, Coating Treatment, Rinse Cycle 2, De-ionizing, and Mobility Enhancing stages. Cans traverse the system on a main conveyor belt engineered to minimize wear and electrostatic buildup, optimizing handling efficiency. The integration of VFDs in the pump and blow-off systems further enhances power and water conservation.

## Features

- VFD Pumps and Blowers
- Quick-Change Risers
- Wastewater Recycling System
- Oil Coalescer
- Manual or Automated Height Adjustments for Hold Downs
- Adjustable Side Guards
- Water Vacuum System
- Tank Water Level Monitor
- Eight-Stage Modular Design
- Variable Speed Capabilities
- Processes up to 6,000 CPM



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An advanced closed-loop wastewater recycling and oil coalescing system enhances water treatment efficiency by recycling water from later stages through earlier ones while also effectively separating oil particles from contaminated water, helping to reduce overall water usage.

## Machine Operation

The Can Washer's operation begins with Pre-rinsing and Pre-washing, efficiently removing oils and lubricants, thus reducing chemical usage in subsequent stages. The Washing stage employs specialized chemicals to eliminate organic and inorganic impurities, while the

oil coalescer recycles wastewater to maximize resource utilization. The multi-stage rinsing process ensures thorough removal of residual chemicals, and the application of a corrosion-preventive treatment ensures the aluminum remains pristine through pasteurization. The final stages include De-ionization to eliminate inorganic salts and the application of a Mobility Enhancer to prepare the can surface for optimal printing. Upon completion, the cans are seamlessly transferred to the Dry-off Oven, ready for the next phase of production.

## Technical Specifications

Production Speed	Up to 6,000 CPM
Can Body Size Range	202 (52.8 mm) to 307 (83.8 mm)
Can Height Range	3.30" (83.8 mm) to 10" (254 mm)
Can Pack Density	90% at max CPM
Product Handling	2,438 mm Wide Stainless-steel Belt or Intralox S9000 Flush Grid PVDF Belt Available
Cleaning Stages	Pre-rise; Pre-wash; Wash Drag-out #1, Rinse #1, Treatment, Drag-out #2, Rinse #2, De-Ionizing; Mobility Enhancer
Maximum Operating Temperature	75° C
Slide Bed	Stainless 316L Steel Herringbone Conveyor Slider Bed
Washer Housing	Stainless 316L Steel
Hold Down Conveyors	Intralox Series 9000 Flush Grid Belt with Quick Height Adjustment System
Height Adjustment for Hold-downs	Manual or Automatic Available
Blow-offs	Blow-offs with Quick Height Adjustments Available After Each Processing Stage
Risers	Quick Disconnect for all Risers and Headers
Washer Access	Doors Along Each Side Allow Access to the Supply Nozzles, Risers and Conveyor



## Belvac Production Machinery

237 Graves Mill Road  
Lynchburg, VA 24502 USA  
434.239.0358  
[www.belvac.com](http://www.belvac.com)