# JETAIR™
## TECHNOLOGIES, LLC

# ION3™

## AIR RINSING SYSTEM

**The ION3™ Air Rinsing System is a waterless solution for rinsing containers on brewery, beverage, nutritional/pharmaceutical, food processing, and other manufacturing lines.**

Clean, ionized air provides effective and cost-efficient rinsing of product interiors and exteriors to industry specifications at multiple sizes, configurations, and line speeds. The system includes integrated vacuum debris collection. The ION3™ is a self-contained, HEPA-filtered solution capable of processing containers with openings as small as 28mm at speeds as fast as 90,000 cph.

## ION3™ Features

### SYSTEM HIGHLIGHTS

- High speed, energy efficient DirectDrive™ blower housed in integrated wash-down chamber
  - Blower is optimized for higher kW efficiency & reduced footprint
  - Blower is belt- and tensioner-free
  - Compressed air backup air inlet port
- Customized to line speed and container sizes & geometries
- Clean, ionized air stream directed by application-specific air components
- Internal & external container rinsing capabilities
- Integrated vacuum system to collect & remove debris (Ø4" inlet port)
- JetSet™ mounts for fast and repeatable changeovers
- Custom guide rails included
- Safe design:
  - Pressure relief safety valve
  - Rated Pressure Vessel
  - Interlocked ion bar access

### MAINTENANCE

- Interior designed for water collection & removal
- Washdown Stainless Steel 304
  - SS316 & CPVC solutions available
- Washdown IP66 ion bar
- Double-walled construction for low noise
  - Sound attenuation (79dB)
- Lift-off front & rear panels for easy maintenance
- HEPA & debris element service indicators
- Stainless steel threaded levelers for 5" vertical adjustment
- Designed for easy installation on existing lines
- Minimal spare parts

### CONTROLS

- Allen-Bradley Variable Frequency Drive standard (all VFD brands available)
- LOTO line power fused disconnect
- Operator-friendly interface
- Ionizer & blower indicators
- UL508, cUL, CE standards
  - CAT 3-4/PLd-e available
- OMAC PackML compliant
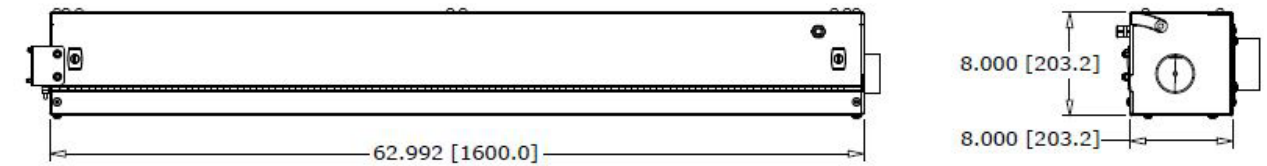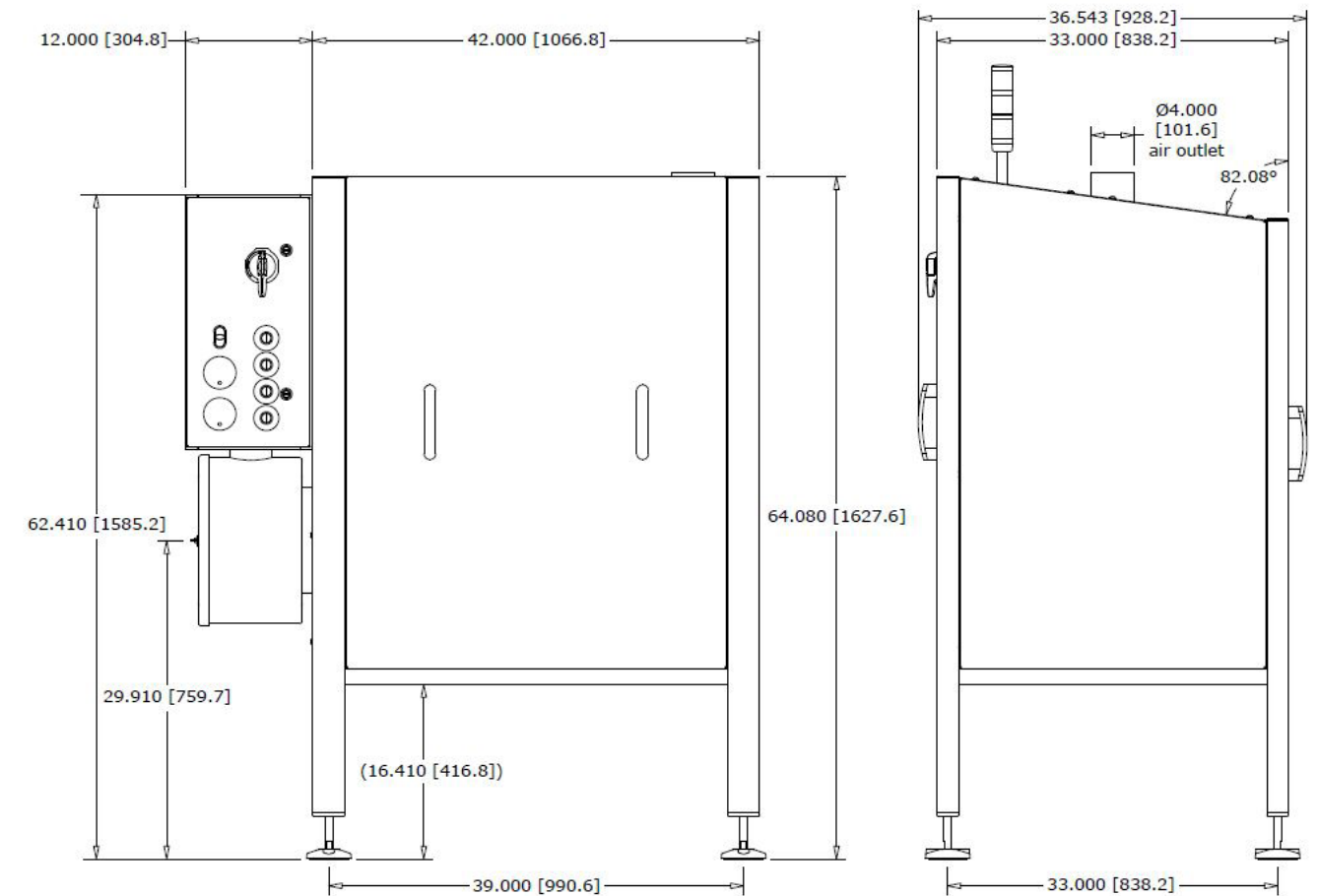- Electrical Panel NEMA4/IP66

### FILTRATION

- Triple pass filtration design
- Rated pressure vessel
- Blower inlet pre-filter
- Blower inlet filter, 5 micron
- HEPA outlet filter, 99.97% efficient @ 0.3 micron
- Ø4" outlet port

## ION3™ Dimensions

### ION Bar



62.992 [1600.0]
8.000 [203.2]
8.000 [203.2]

### ION Enclosure



12.000 [304.8]
42.000 [1066.8]
36.543 [928.2]
33.000 [838.2]
Ø4.000 [101.6] air outlet
82.08°
62.410 [1585.2]
64.080 [1627.6]
29.910 [759.7]
(16.410 [416.8])
39.000 [990.6]
33.000 [838.2]

## Optional Features

- Network integration
  - Ethernet, Profibus, DeviceNet
- Container hold-down
- Emergency glass shard protection
- Integrated line control packages
- Product detection sensor
- Stack light
- Line power protection
- HEPA blower outlet filter assembly

## ION3™ Air Rinsing Applications

### BEVERAGE

- Clean containers, including aluminum and tin cans, PET jars and bottles, and glass jars and bottles using ionized air before filling
- Remove and collect debris, including glass shards

### INDUSTRIAL

- Remove dust & debris clinging to product, rollers, machine beds, and frames
- Eliminate sheet feeding problems and material tearing and jamming due to debris/dust buildup

### FOOD

- Air rinse containers, crates, and trays with HEPA-filtered air
- Remove and collect particulate attracted to plastic packaging
- Remove and collect dust and debris

### POWDER

- Remove and collect statically charged powder from container interiors and exteriors

### PHARMA

- Air rinse containers with HEPA-filtered air
- Remove and collect debris

### MORE

- **Automotive:** Pre-paint ionized air rinse, parts blow-off
- **Customized Solutions:** Engineered-to-order systems for air rinsing applications

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