

# ION3<sup>TM</sup>

## IONIZED AIR RINSING SYSTEM

**The ION3<sup>TM</sup> is an ionized air waterless solution for rinsing containers on any packaging lines.**

Clean, ionized air provides effective and cost-efficient rinsing of containers to industry specifications at multiple sizes, configurations, and line speeds. The ION3<sup>TM</sup> 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 and includes integrated vacuum debris collection.



**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
- Customized to line speed and container sizes
- Oil free ionized pressurized air stream directed by application specific air components
- Internal & external container rinsing capabilities
- Integrated vacuum system to collect & remove debris (Ø4" inlet port) available

**FULL SPECTRUM SYSTEM MONITORING**

- Ion bar monitored with easy to read indicator light(s)
  - On base unit & ion bar vacuum box
- Filter pressure indicators used for inlet and outlet HEPA filter (Gauges & Indicator Lights)
- Blower Status light indicator

**SAFE DESIGN**

- Pressure relief safety valve
- Rated Pressure Vessel
- Interlocked ion bar access

**MAINTENANCE**

- Interior designed for water collection & removal
- Washdown Ion bar & base unit
- 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**

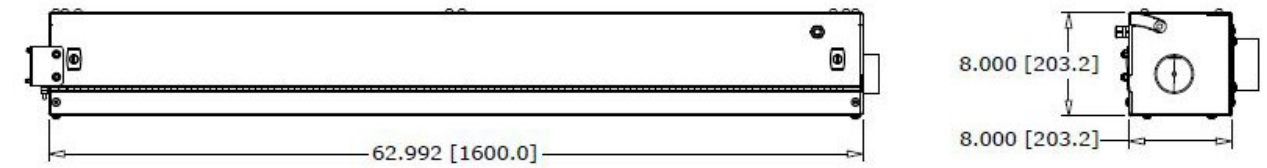
- Allen-Bradley Variable Frequency Drive standard (all VFD brands available)
- LOTO line power fused disconnect
- Operator-friendly interface
- Ionizer & blower indicators
- UL508, cUL, CE standards
  - CAT 3-4/PLd-e available
- OMAC PackML compliant
- Electrical Panel NEMA4/IP66



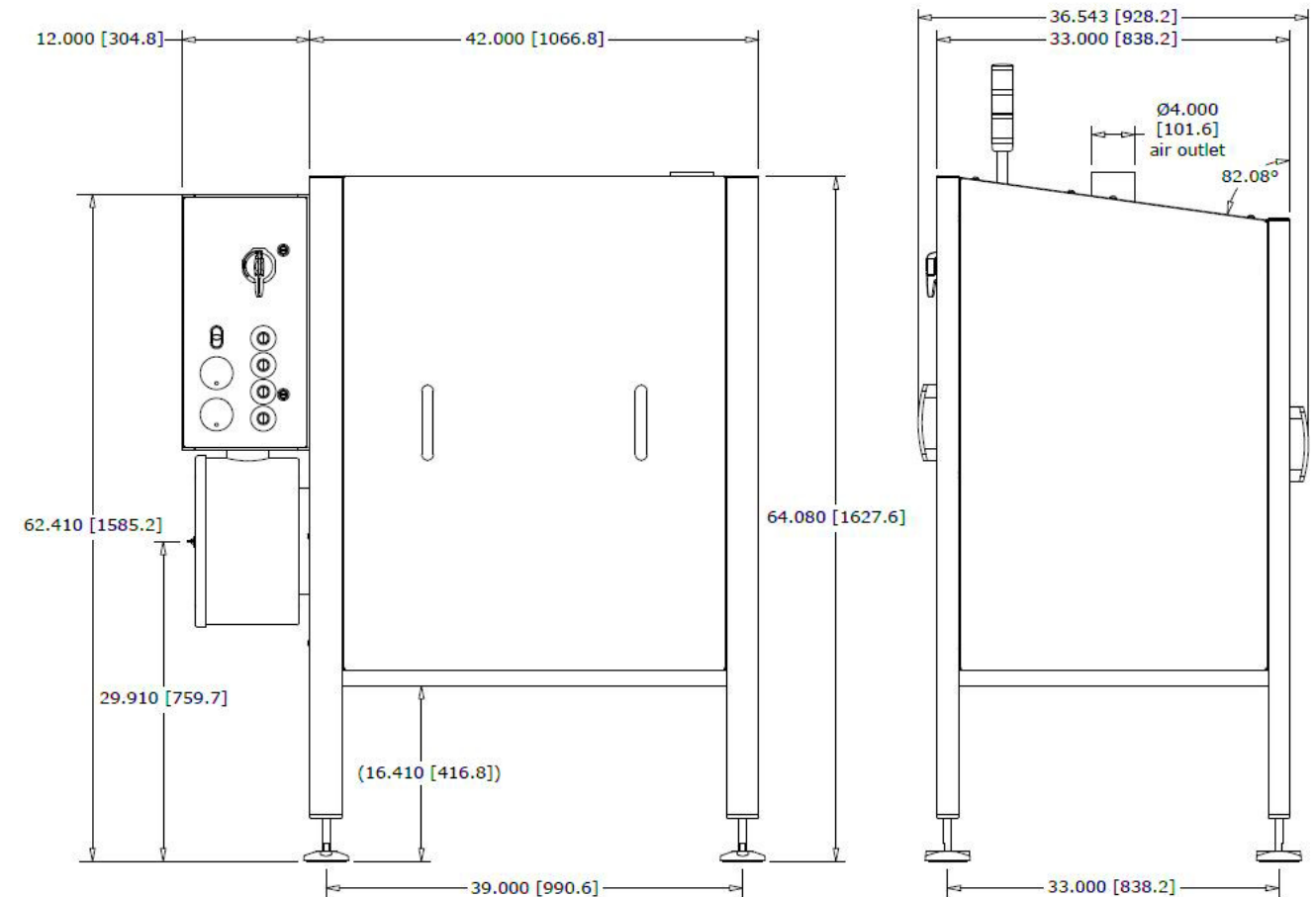
**FILTRATION**

- 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

**ION Bar**



**ION Enclosure**



**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
- Integrated vacuum system

## ION3™ Air Rinsing Applications

### BEVERAGE



- aluminum & tin cans
- PET bottles/jar
- glass bottles/jar
- Remove and collect debris, including glass shards

### PHARMA



- Clean room ready
- Air rinse packaging with HEPA-filtered air
- Remove and collect debris

### POWDER



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

### FOOD



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

### 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

### MORE



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

# ABOUT JETAIR

## CREATING SOLUTIONS USING AIR

JetAir has evolved to create custom engineered solutions. Starting with a technically advanced direct drive blower, Jet air has evolved to develop market driven solutions such as our very own high velocity jet blast air knives, spray shields, sound enclosures, all in one turnkey systems, to complete engineered to order solutions.

Our team is committed to creating accelerated solutions using air by providing safe, easy-to-use, innovative equipment. JetAir creates machines with improved performance, a smaller footprint, network integration, and reduced power consumption.

JetAir has many turnkey solutions and combined with our ability to design custom equipment –we build the ultimate drying machine.

