

IonRinse™

Sales Sheet
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Ionising Air Rinsing system

The IonRinse™ at a glance:

As more and more companies look for energy efficient systems to replace older, less efficient technologies, the need for systems like the Meech IonRinse becomes increasingly important.

Developed by Meech, working with distributors and end users within the food and beverage industry; the IonRinse combines powerful DC ionisation, a custom designed airflow system and high quality inline filtration, to provide the ultimate in ionised air rinsing.

The blow and vacuum airflows are provided by the Air Handling Unit (AHUv3), which is connected to the manifold via bespoke ducting.

If required, Meech can provide the container handling system and arrange installation as part of the overall offer.

Feature	Benefit
Stainless steel construction	High quality and suitable for use in wash-down environments
Teflon airflow distributor	Customised to suit the container and line speed to ensure maximum performance. Teflon material allows the container to run in contact with the surface
DC Ionising Bar	Built in 924IPS Ionising Bar to enhance contamination removal
Large plenums	Help ensure even airflows along both the air distribution and vacuum slots
Constant vacuum along length	Designed to catch the maximum level of removed contamination
Drop-down access panel	Easy maintenance; the ionising bars drop out of the head unit mounted to the access panel
Selectable handing	The air inlet and vacuum ducts can be connected at either end of the head unit to suit the installation space available

Technical Characteristics

DC ionising bars	One DC ionising bar is fitted on supply One DC ionising bar is provided as a spare
Constant vacuum along length	Designed to catch the maximum level of removed contamination
Variable flow control	Performance can be optimised to suit the process
Contacts for auto start/stop	Can be linked to run with the line giving further energy savings
LED status	An output signal will activate when the bar needs cleaning or a fault has been detected
Input voltage and current: Output Frequency:	24V DC (21-27V DC) Max 500mA Default: 20Hz (Adjustable with BarMaster)
HEPA and bag filtration	Excellent level of filtration; H14 media efficient to 99.99% at 0.3 micron and F8 media efficient to 90 – 95% at 0.4 micron
Contacts for filter condition status	Filter status can be linked to line monitoring system
Teflon airflow distributor	Teflon airflow distributor will be bespoke to the size of the item to be cleaned

Industries/Applications

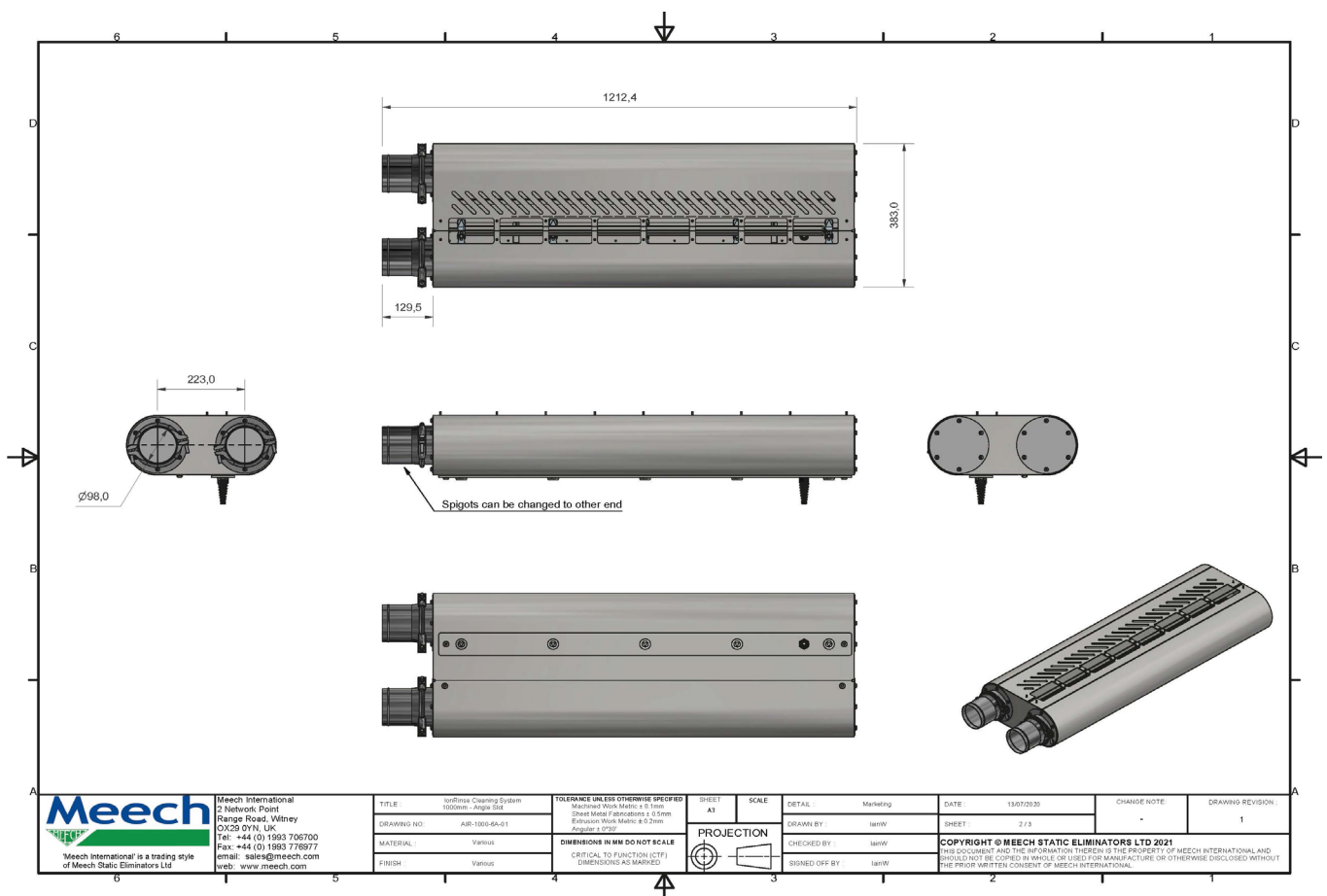
Cleaning of containers historically used to be carried out with water washing systems. Costs of running water processing plants and the requirement for drying the containers, or minimising the risk of contamination by any residual water, required industries to look for alternatives.

Meech has engineered the next stage of energy efficient, sustainable ionised air rinsing which offers many advantages to the food and beverage, medical and pharmaceutical industries.

The Meech fan-driven IonRinse method provides cleaning without the high costs involved in purifying water prior to its disposal back into the water system.

IonRinse has been purposely designed to improve rinsing performance of all types of containers before filling, including:

- Bottles
- Preforms
- Jars
- Cans
- Blown containers



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