

WHO WE ARE

ION-ASIA GROUP Head quartered in Singapore with offices in USA, India & Taiwan offers the best in class Filtration Technologies for processes in Liquid Food, Brewery, Beverage, Distillery, Winery and Potable Water Industries.

The Filtration products we offer are certified for food quality standards and our Filtration Systems are manufactured under ASME guidelines with U stamp meeting to the highest quality standards.

Ion-Asia Pte Ltd

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Filtration Solutions for Food & Beverage



OVERVIEW OF SOLUTIONS

- Beer Trap and Polish Filtration systems
- Wine Filtration Systems
- Cartridges for Filtration of Process Liquids
- Steam and Sterile Air Treatment
- Vitrosphere Glass Beads for Potable Water Treatment
- UV and Ozone Systems
- Modular and High Flow Filtration Systems
- PES & PTFE Cartridges and Filtration Systems
- Bag Filtration Systems
- Custom Filtration Systems for CIP
- ScaleBuster Conditioners for Tunnel Pasteurizer Treatment
- Food Grade Activated Carbons for Purification of Water and Carbon Dioxide
- Food grade chemicals for RO/UF Membrane Treatment
- Potable Water Filtration Cartridges and Filtration Vessels
- Real Time Microbial Sensors for process line



OUR PRODUCTS & SERVICES

Sanitary Beverage Housing



Sanitary Beverage filter housing is made of SS316 and SS316L with 0.2 RA surface finish to limit microbial adhesion. Such Filter housings are easy to clean and deployed prior to bottling. The sanitary connection design ensures the product can no longer be contaminated. Suitable for use in Polishing Filtration in Beer, Beverage, Wine and Distillery applications. The housings are custom designed and supplied with complete set of cartridges with micron rating from 0.2-2u

Beer & Wine Series Cartridges



Cartridges for Beer, Spirits, Wine, Potable Water, Liquid Food utilizes PES, PP, PTFE, Microfiber glass as filtration media to remove spoilage organisms, inorganic particulates with high dirt holding capacity. filtration stages in multitude of applications that involves liquid food. Cartridges comes in various sizes, micron rating and end caps.

Activated Carbons



Activated Carbon is used in the primary or polishing of CO₂ before carbonization of the soft drink. Our Extruded Pellet Carbons helps to remove traces of impurities that still could be present in the CO₂ before carbonization. Activated Carbons remove volatile matter, ethanol, H₂S, DMF and esters.

OUR PRODUCTS & SERVICES

Avista Membrane Chemicals NSF approved membrane chemicals for Reverse Osmosis, Ultra Filtration, Nano and Micro Filtration. Avista Chemicals are dosed at very minimal quantities, thanks to our Complex Ci software that helps to predict accurate dosages for Membrane systems which overall optimizes the process costs.



Vitrosphere Glass Beads for Potable Water Treatment

High performance filter media for single-, multi-layer and multi-media filtration. NSF approved product that lasts upto 25 years per fill and requires negligible amount of water for backwashing. Prevents biological growth within the filter due to its spherical glass structure and protects downstream systems from bio growth.



OUR PRODUCTS & SERVICES

ScaleBuster

ScaleBuster is a physical electrostatic water conditioner which is used in the Brewhouse CIP system on the return pipe and inline to the recirculation loop of the pasteurizer for prevention and buildup of mineral scales. ScaleBuster offers chemical free solution and reduces downtime on maintenance.

Sterile Air Filters

Air Series is wrapped depth filter cartridges, which is used for sterile filtration of compressed air, process air, technical gases and vent applications. The retention rate is $\geq 99.99998\%$ related to $\leq 0.2 \mu\text{m}$ ensuring safe and sterile filtration of process gases.

Bag Filtration

Custom Bag Filter skids are developed to be used as CIP system in the Beer Trap Filtration process to clean the trap filter cartridges inline for extended service span.



OUR PRODUCTS & SERVICES

ALVIM SENSORS



ALVIM Sensors the most suitable tools for the prevention of biofilm and related issues. Its patented technology is based on innovative

and highly efficient techniques, able to specifically monitor biofilm growth, online and in real-time in the water related food process applications. Early detection helps to diagnose and isolate the problem for preventive treatment. Technology is based on the measurement of the electrochemical activity of bacteria and has been validated through several international research projects.

DISINFECTION TECHNOLOGIES

Our customized solutions for disinfection are offered through UV, Ozone, Bromine and Stable chlorine technologies for the Food and Beverage Industry

POTABLE WATER TREATMENT

When it comes to drinking water, we provide the most comprehensive product range which includes membranes, cartridges, filter housings, chemicals, filtration media, activated carbons, iron removal media, pH boosting solutions all that are certified for potable water standards



OUR PRODUCTS & SERVICES

FILTRATION SOLUTIONS FOR SPIRITS

In spirit processing, filtration tasks include the reliable removal of undesirable components from raw materials, products, or service media (water, steam and gas). During the filtration of service media and raw materials, first and foremost, particles and contaminants such as microorganisms are removed. Product filtration may also require colloidal haze-causing substances to be removed while simultaneously preserving valuable ingredients such as aroma and color. Top flow bag filters provide large volumes for filtration, while Cartridge filters based on PES, PTFE, Microfiber Glass ensures filtration before bottling at 0.2-2um. Washed high purity Activated Carbons are used for removal of undesirable flavors, colors & aromas from spirits like Vodka.



Ion-Asia offers customized filtration and disinfection technologies for the Food & Beverage Industry. Our core technologies aim at providing solutions that are certified to highest standards meeting to the stringent regulations.

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