

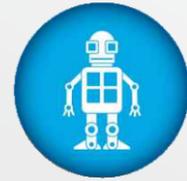


# ARS

Advanced Reprocessing System

# ARS: Ensuring Patient & Staff Safety

A patented fully automatic, computer guided Advance Reprocessing System with inbuilt self-test and feedback sensors that ensures safe, standardized, precise cleaning & High level Disinfection of ventilator expiratory parts and cassettes each time. Eliminates human errors and sterilization breaches which may leads to Fungal VAP, MDR/AMR or any other Hospital Acquired Infections. ARS helps prevent EtO Toxicity, AMR / MDR and HAI etc. while reducing operating cost and ensuring staff patient safety.



## Computer Guided | No Human Error

With a progressive computing system, ARS supercedes the manual cleaning process thus ensuring patient safety by eliminating human error. It uses a clinically tested & standardised process.



## N50 Grade Magneto Cleaning

The advanced strong magnetic isolated impeller system, removes tough debris, blood, sputum and other contaminants from ICU instruments, articles, Ventilator parts, etc. ARS uses N50 grade strong Epoxy coated magnetic system ensuring rust free long life.



## LEC: Low Energy Cavitation

ARS generates low energy cavitation to clean sensitive ventilator parts without any damage. The centrifugal cavitation deep cleaning action is further reinforced with multi enzymes. This precisely diluted, temperature controlled solution reduces surface tension, breaks bio-burden, remove salbutamol deposits and is also effective against biofilms.



## LDT: Lumen Drying Technology

ARS dries the lumen of the cassettes automatically. The lumen dryer system dries the lumen in 3 mins unlike manual drying.

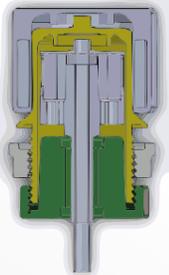


## Maximizing life and safety

The computer controlled process maximize the life of the articles. It reduces the staff exposure to harmful carcinogenic chemicals which may cause respiratory and other diseases.

## Hydrodynamic 3D Designs

The patent applied, 3D printed, Hydrodynamically designed part tray diverts fluid flows to provide 360 cleaning. The scientifically designed pillars and part holders prevent water logging in parts.



## Single Hand Operations

ARS is specifically designed for ease of use. All the components of ARS such as the impeller, tray or accessories can be removed using one hand only thus ensuring minimum contact.



## Prevents EtO Toxicity

The patented cleaning process ensures removal of bio burden, protein & any other debris, thereby ensuring patient safety from lethal EtO toxicity.



## ETS: Emptying Total System

ARS automatically empties the water present in the system to ensure freedom from microbial contamination as per standard EN ISO 15883-1



