

# CLEAN AIR services

EQUIPMENT  
DATA SHEET

LRS SERIES



## CONTINUOUS DUTY LINT COLLECTOR

MARINE HVAC  
CONTAMINATION  
REMOVAL AND CONTROL  
SYSTEMS

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## LINT REMOVAL SYSTEM

Our dependable Lint Capture systems combine ample storage and capture of 95% of Lint discharge from Onboard Commercial clothes dryers.

The “**LRS**” **SERIES** takes fine lint and dust in stride by combining a super-efficient filter system with a reliable, self-cleaning process designed for intermittent or continuous duty.

A **new modular construction** means you can configure a series model to fit your application. Existing vessels can be retrofitted to replace inefficient and outdated cyclonic and screen type Lint capture systems.

The Clean Air Lint Removal System can be **custom designed** from 1800cfm to 18000cfm with an Automatic or Manual cleaning process. This system can also meet all the demands for **Crew and Passenger Launderette Dryers**.

Installations on Cruise Ships have improved Dyer efficiencies and increased safety. Excellent performance feedback has been recorded. References are available.

Typical comments;

“ has significantly **reduced** the **Fire Hazard** in the system”

“ has **improved the performance** of the Dryers”

### PROVEN FILTRATION TECHNOLOGY

System filtration assures trouble-free operation with fine lint & dust. Low head-loss design provides faster drying times for production-oriented environments. Eliminates the Fire Hazard of lint accumulations.

- Digital timer operation permits flexible programmable filter clean cycle.
- Large main filter area provides low internal velocities.
- Industrial Filtration Design applied to Shipboard Operations.
- Custom fitment for any size vessel. Proven design for shipboard use.

### SEAWORTHY FEATURES

- Continuous duty lint capture. Prevents all downstream duct from Fire Hazard Lint
- Contamination and Buildup
- Primary filter efficiency of **95% @ 1 micron**, standard.
- Filtration efficiency increases over time.
- Automatic or Manual Filter cleaning system.
- Marine Duty Construction
- Single or Multi Dryer Units

# ***Our products and services can be broken down as follows:***

## **Services provided by CleanAir services:**

*Detailed Reporting, Assessment, Proposal and Budgetary documentation. Complete internal diagnostic and assessment services.*

- Trouble shooting and IAQ problem solving.
- Preventative maintenance database creation and management.
- Internal cleaning of HVAC components supplying conditioned air throughout the facility.
- Internal cleaning of extraction systems removing dirty air from facilities.
- Specialized cleaning services utilizing proprietary equipment and procedures.
- Refurbishment of all internal HVAC components and surfaces.
- Rebuild and modifications to HVAC systems and Air handling units metal work.
- Replacement of parts and components.
- Norwalk virus remediation.
- Mould remediation services and consultation.
- Client training seminars for specific maintenance items.
- Research, Search and Supply for specific client requests.
- Design, supply and install of various filtration modules and products.
- Kitchen/Galley exhaust system cleaning and servicing.
- Laundry exhaust system Dryer lint removal and cleaning.
- Secured Online Members Area for clientele to access project specific documentation.

## **Products supplied by Clean Air services:**

- Air Filters for ventilation supply systems.
- Anti microbial paints and coatings for use in HVAC related areas.
- Anti Corrosion paints and coatings for use in HVAC related areas.
- Coil cleaning chemicals for cleaning heat exchanger coils.
- Pressure washing equipment.
- HVAC diagnostic equipment for determining HVAC performance.
- Mould eradication chemicals and associated treatments.
- Supply of Carbon filter panels and activated carbon for adsorption of sewage odors.
- Stainless Steel parts and accessories for Kitchen/Galley extraction systems.
- Stainless Steel access hatches.
- Fire rated Access hatches.
- Mechanical components including fans, dampers, electrical motors, etc...
- CRS Contamination removal systems equipment and training.
- LRS Lint removal systems and replacement parts.
- Supply of Small Personnel Isolation Containment Module SPICM and the Large Personnel Isolation Containment Module LPICM with the side airlock.