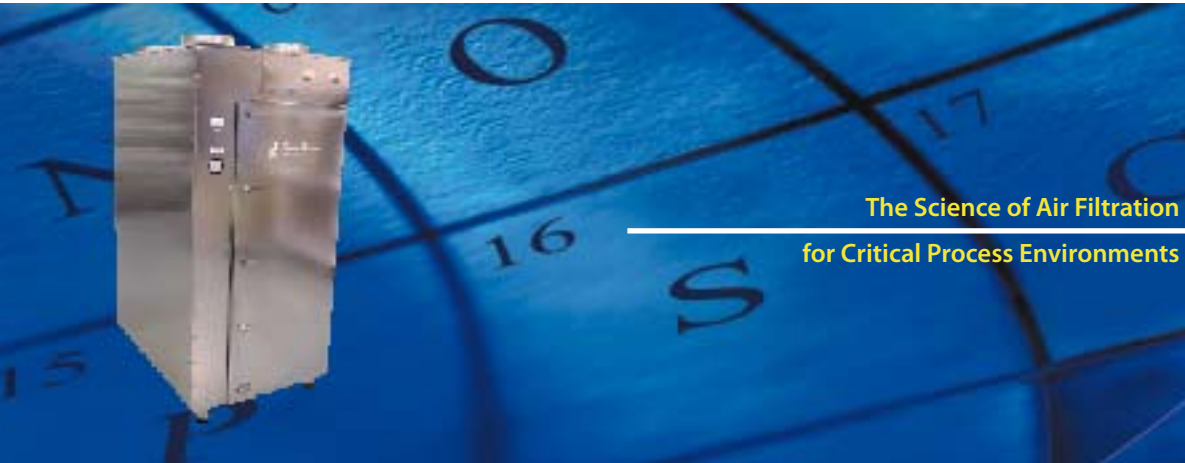


Donaldson LITHOGUARD®-12 Chemical Contamination Control



The Science of Air Filtration
for Critical Process Environments

The LITHOGUARD-12 cabinet and its associated chemical removal filter inserts is a high efficiency filtration system that removes gas-phase contaminants such as volatile bases, acid gases, condensable organics, as well as particles. Designed for high end lithography tools, including 248nm, 193nm “dry” and 193nm immersion exposure tools, it provides an ultra-clean environment that enables critical chemical processes and prevents the degradation and contamination of optical elements.

The LITHOGUARD-12 is a small footprint cabinet, featuring:

- High efficiency filtration (each individual filter achieving 99+% removal efficiency)
- Serial filtration that enables air sampling between the filters
- Low cost of ownership due to:
 - long filter life
 - refillable filter option
- Particulate filtration - HEPA efficiency
- No facility requirements. No connection to CDA or compressed N₂ required.

Donaldson®

Donaldson LITHOGUARD® -12 Chemical Contamination Control

Specifications

Supply

- The LITHOGUARD-12 requires:
 - 12 - Donaldson BSMmax chemical filters AND
 - 6 - Donaldson HEPA particulate filters

Airflow

- Real-time air sampling via integrated sampling ports allows for continuous performance management.
- Using the latest airflow modeling technology, the LITHOGUARD-12 was designed to:
 - Utilise a small print
 - Optimise the amount of media within it
 - Ensure even distribution of airflow through each filter element
 - Maximise the efficiency and life of each filter element

Utility Requirements

- No electrical supply required
- No compressed air supply required

LITHOGUARD-12 SYSTEM	
Part Number	KAX007890 (LG-12 Cabinet & 6 HEPA Filters)
Chemical Filter Part Number	P512612 (12 filters required)
Design Airflow	2,600 m ³ /hr (1,530 cfm)
Dimensions	850mm (33.5") wide x 1,850mm (72.8") high x 1,200 (47.25") deep
Approximate Weight with Filters Installed	600 kg (1,320 lbs.)



LITHOGUARD®-12

Contact us today!

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