

## **BSMmax - THE NEXT GENERATION OF BROAD SPECTRUM MEDIA FILTRATION**

Since Donaldson first introduced broad spectrum filter media for the semiconductor industry, considerable studies have gone into the actual levels of contaminant types in ambient air. Simultaneously, tool manufacturers have shown increasing concern about the presence of Si-containing compounds in cleanroom air and the resulting irreversible damage to optical elements. To meet these increasingly complex and stringent demands, Donaldson developed the BSMmax filter that offers the maximum protection, filter life, and flexibility for the broadest spectrum of contaminants that can degrade tools and processes.

### **FEATURES & BENEFITS**

- Removal capacity for:
  - Acids (SO<sub>2</sub>, HCl, HBr)
  - Bases (NH<sub>3</sub>, NMP, amines)
  - Condensable organics (HMDSO, TMS)
- More capacity than current carbon filters of comparable size
- These filters are eligible for the Donaldson Refill Program
- Global sales and service

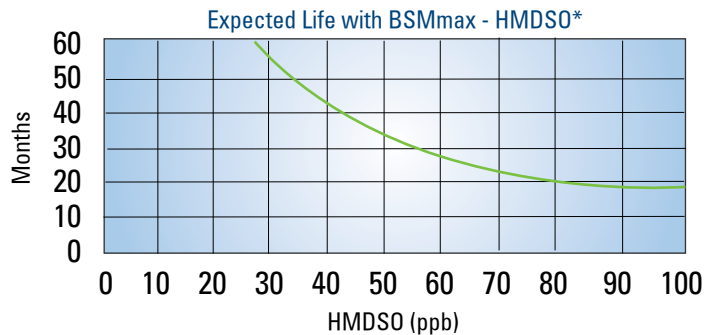
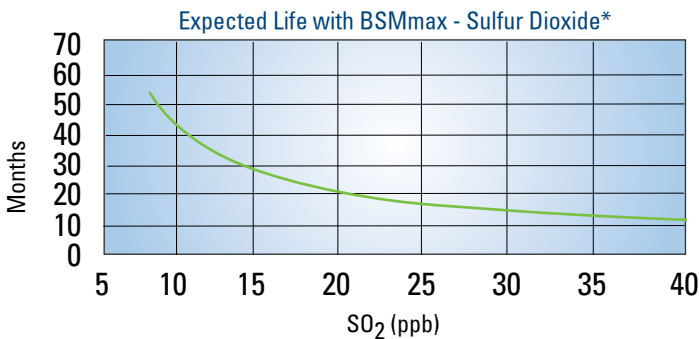
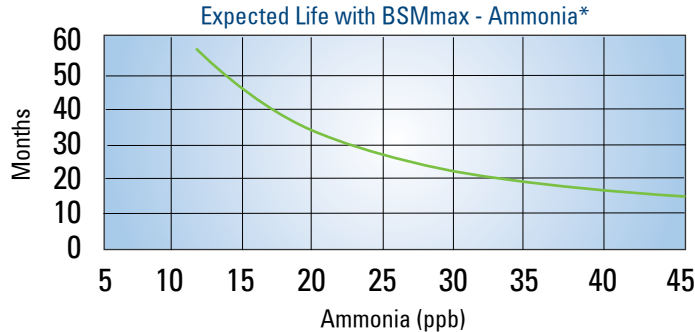
BSMmax chemical filters are available for LITHOGUARD® v1.0, v2.0, v3.0, and LITHOGUARD-12 chemical filtration cabinets.



BSMmax Filter

# BSMmax FILTERS

## SYSTEM RESULTS



LITHOGUARD-12 Cabinet



BSMmax Filter

Part No.	System	Dimensions W x H x D	Design Airflow	Pressure Drop	Approx. Weight
P512612	LITHOGUARD-12	552 x 185 x 430 mm (21.7" x 7.5" x 16.9")	433 m <sup>3</sup> /hr (255 cfm)**	225 Pa (0.9" water gauge)**	20 kg (44 lbs)**

\* Expected life is dependent upon actual fab conditions and based on system results using Donaldson filters in a LITHOGUARD-12 cabinet.  
 \*\* Results per filter.

Contact Donaldson today for more information!



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BSMmax Filters (01/11)  
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