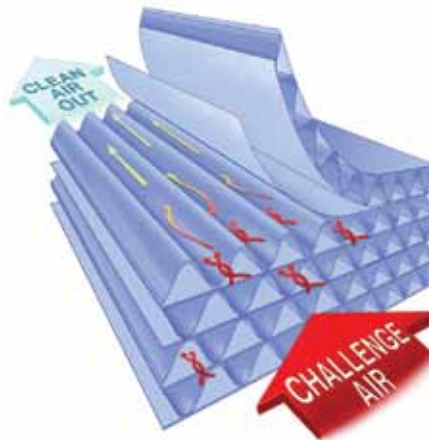
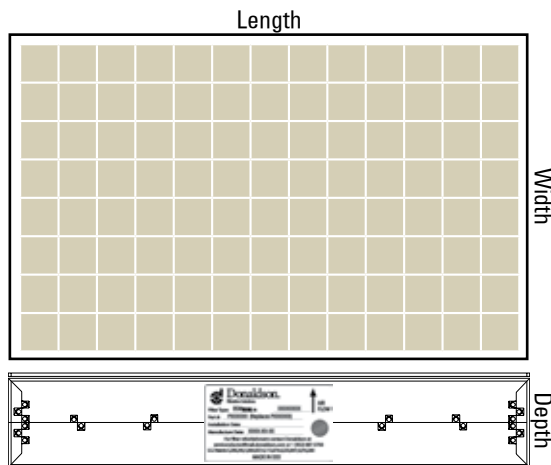


CHEMCORE™ B - BASE GAS FILTER, HIGH DENSITY PRODUCT SPECIFICATIONS

ChemCore "B" is an open channel* alternative to pleated and packed-bed carbon filters, designed to remove ammonia (NH₃) and amines from ambient air.

ChemCore filtration media was specifically designed to control airborne molecular contamination (AMC) with a focus on low pressure drop, low weight, and high removal efficiency. Filters are available in both standard and high density media formats. High density media has a higher first pass efficiency and is suitable for most lithography and toolmount applications.



ChemCore's chemically-treated filter material allows for filtration by diffusion.

Part #	Length in mm	Width in mm	Depth in mm	Weight in kg
P512921	500	500	70	3.3
P512852	600	400	70	3.2
P512917	500	500	150	7.0
P512853	600	400	250	6.8
P514180	155	615	155	2.8
P514181	165	155	155	0.7
P512897	360	200	155	2.0
P513131	460	360	155	4.9
P512884	460	385	155	5.3
P513140	460	460	155	6.4
P512885	615	310	155	5.7
P513130	620	360	155	6.8
P512972	620	460	155	8.8
P513510	630	710	155	11.3
P512896	720	270	155	5.9
P512898	1120	400	155	14.7

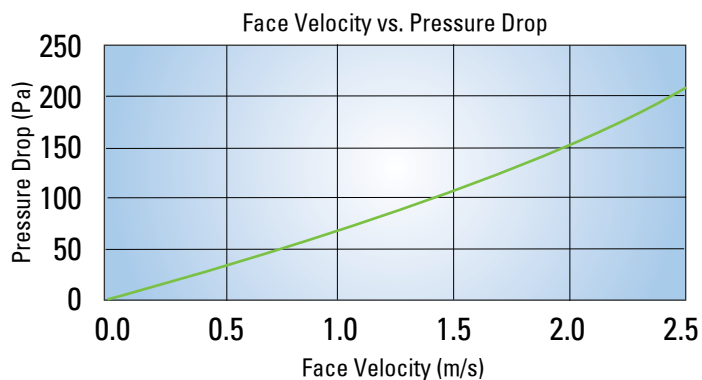
* To request a white paper than explains the benefits of open channel media, please contact us. Sizes listed are representative only. Call Donaldson regarding your specific requirements.

CHEMCORE B BASE GAS FILTER

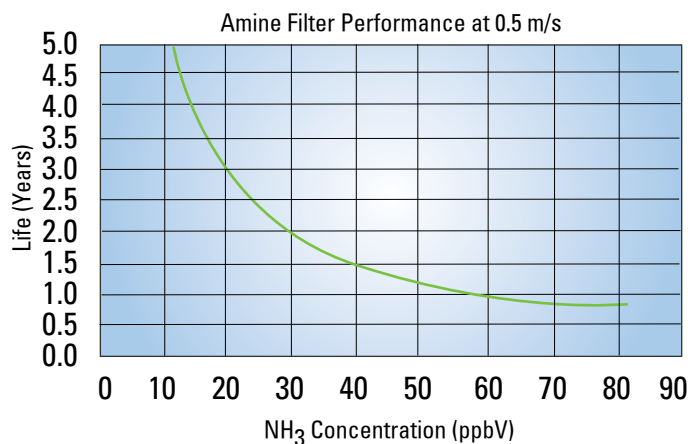
PERFORMANCE DATA

Base performance data at standard operating conditions
(25° C, 50% RH and face velocity 0.5 m/sec).

- Initial removal efficiency > 99.9%
- Pressure drop < 50 Pa (See first figure below)
- Estimated filter life > 5 years (See second figure below)



- 150 mm filter depth
- High density media
- Typical velocity used in most applications is 0.5 m/s



- High density media
- 95% efficiency as the end of life condition
- Typical fab condition = 10 - 20 ppb NH₃

ChemCore is Donaldson proprietary filter media.



Donaldson Company, Inc.
Semiconductor
PO Box 1299
Minneapolis, MN 55440-1299 U.S.A.

lithoguard.com
semiconductor@donaldson.com
donaldson.com

USA
1-952-887-3700

Europe
+32 16 38 39 83

Korea
+82 2 517 3333

Hong Kong/China
+852 2405 8319

Singapore
+65 6311 7372

Japan
+81 42 540 4475

Taiwan
Jusun Instr. Co., Ltd.
+886 2 2219 5511