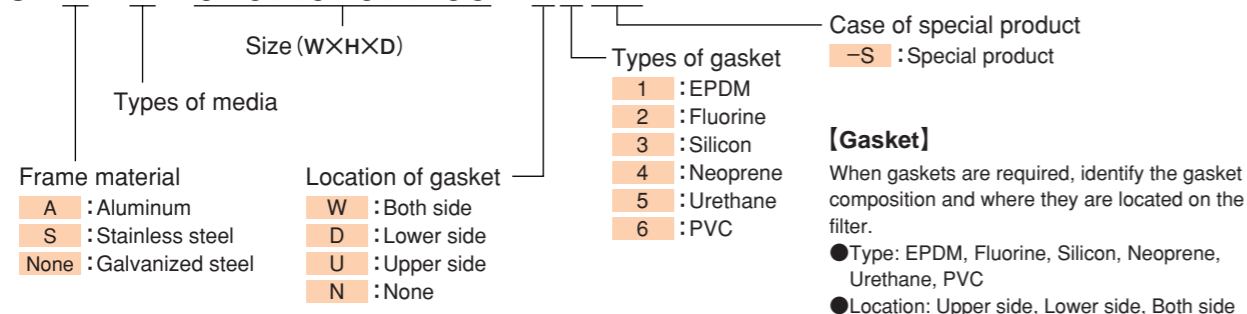


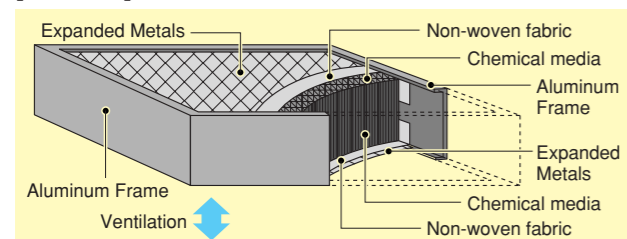
Product Identification (Code) and Diagram

CAW • CH series

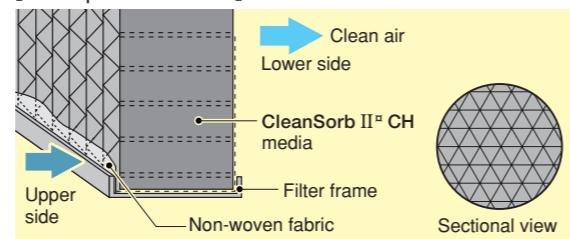
CLA-H-610×610×155-D1



[Structure]

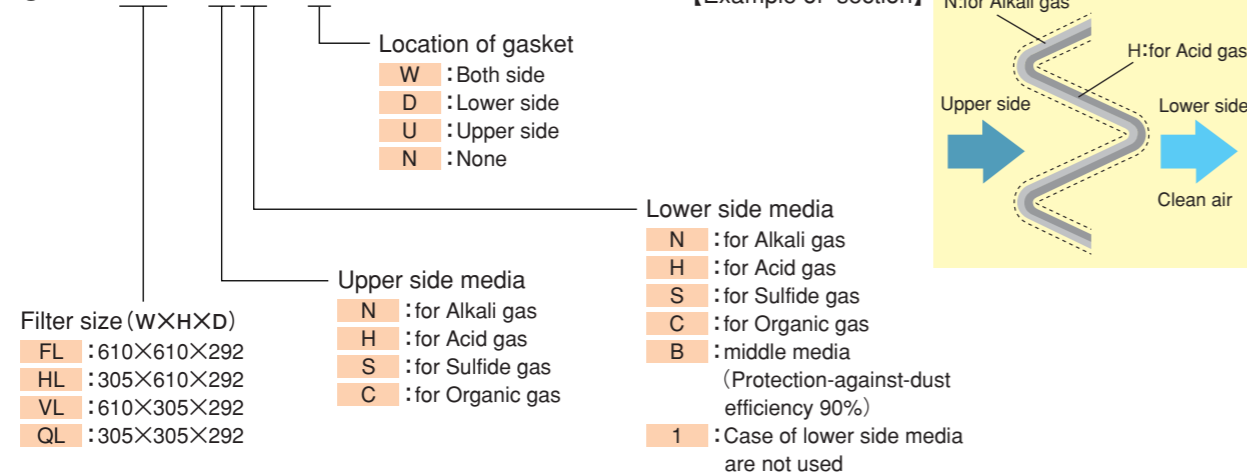


[Example of section]



CM series

CM-FL-NN-D

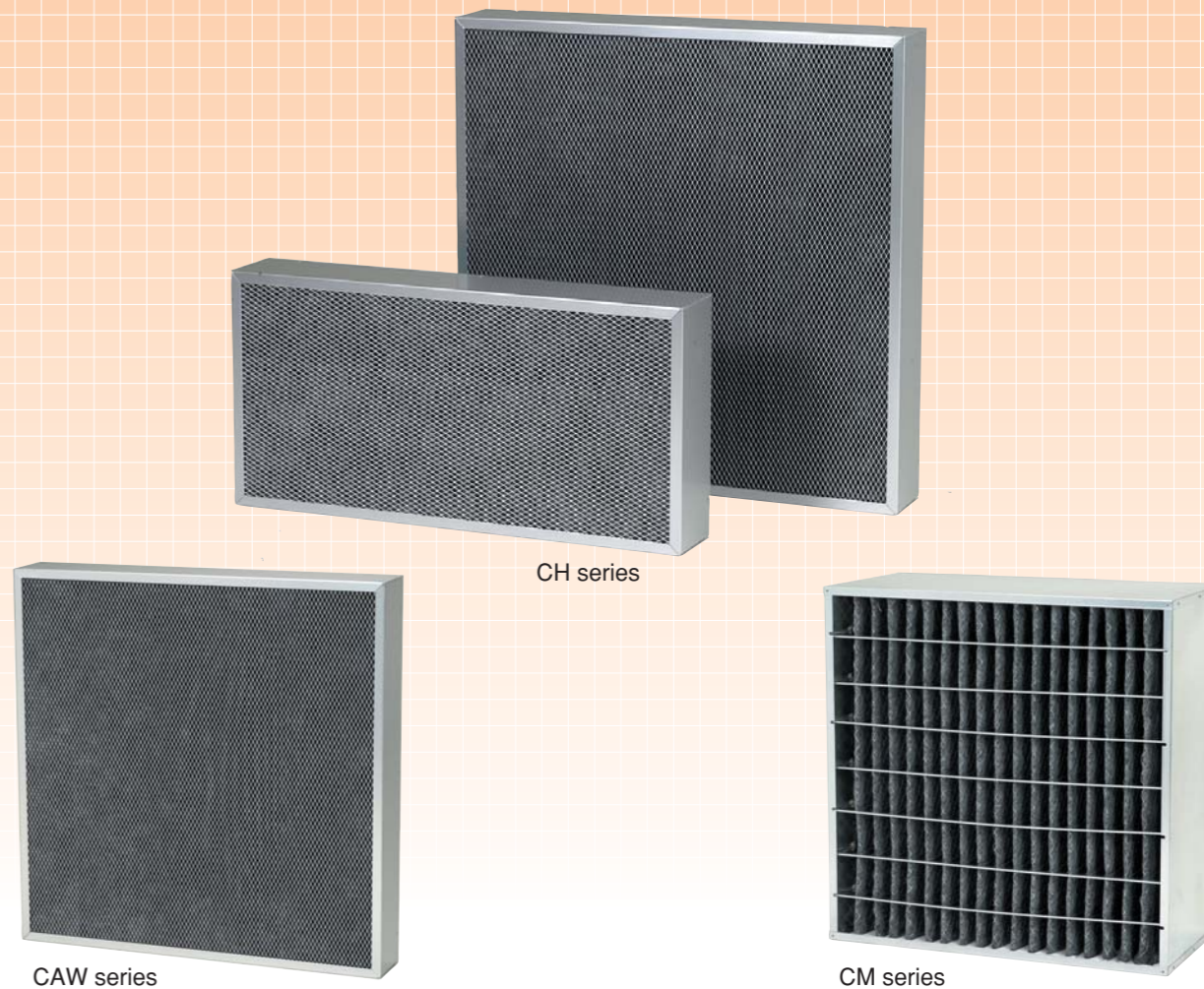


Note

Manufacturer reserves the right to make changes in specifications without notice. Combustible material is included in this product. We accept no legal responsibility in the case of misuse. Check local building code. Not for use in high moisture applications. Contact us for details. Not to be reproduced without written permission.

Activated Carbon Fiber Chemical Filter

CleanSorb II[®]



NIPPON PURETEC CO., LTD.

1-17, 2-CHOME, IWAMOTO-CHO, CHIYODA-KU, TOKYO, 101-0032, JAPAN
PHONE.81-3-3862-4768 FAX.81-3-3862-4720

<http://www.puretec.co.jp>

0607版-A-1000



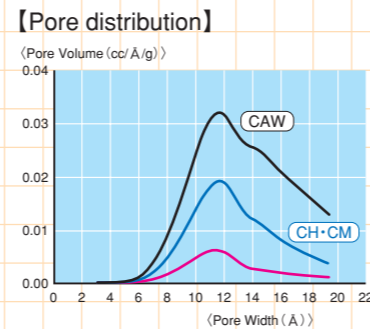
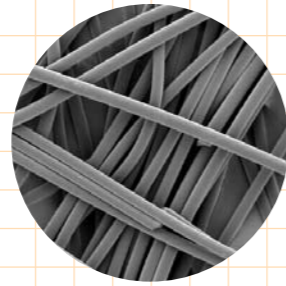
NIPPON PURETEC CO., LTD.

Highly Efficient Activated Carbon Fiber Chemical Filters

CleanSorb® II series



High purity carbon activated fibers are used to produce CleanSorb II filters. The fibers have the ability to increase micropore size which result in increased physical adsorption.



Product Introduction

CAW

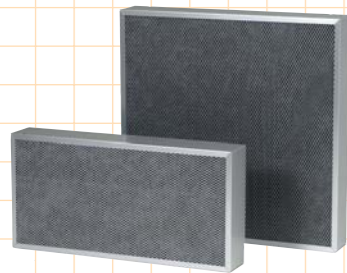


- 【Structure】 Highly dense honeycomb structure
- 【Properties】 CAW filters have a special micropore structure having highly effective adsorption capabilities, especially for high and mid boiling point organic compounds such as siloxanes and phthalic acids which have not been removed by previous procedures.
- 【Applications】
- The control and maintenance of super-clean working areas.
 - Semiconductor-fabrication equipment.

Honeycomb structure



CH



- 【Structure】 Honeycomb structure
- 【Properties】 CH filters have a characteristic micropore structure with the activated carbon fibers providing high adsorption performance in contaminated air environments.
- 【Applications】
- The control and maintenance of super-clean working areas.
 - Semiconductor-fabrication equipment.

CM

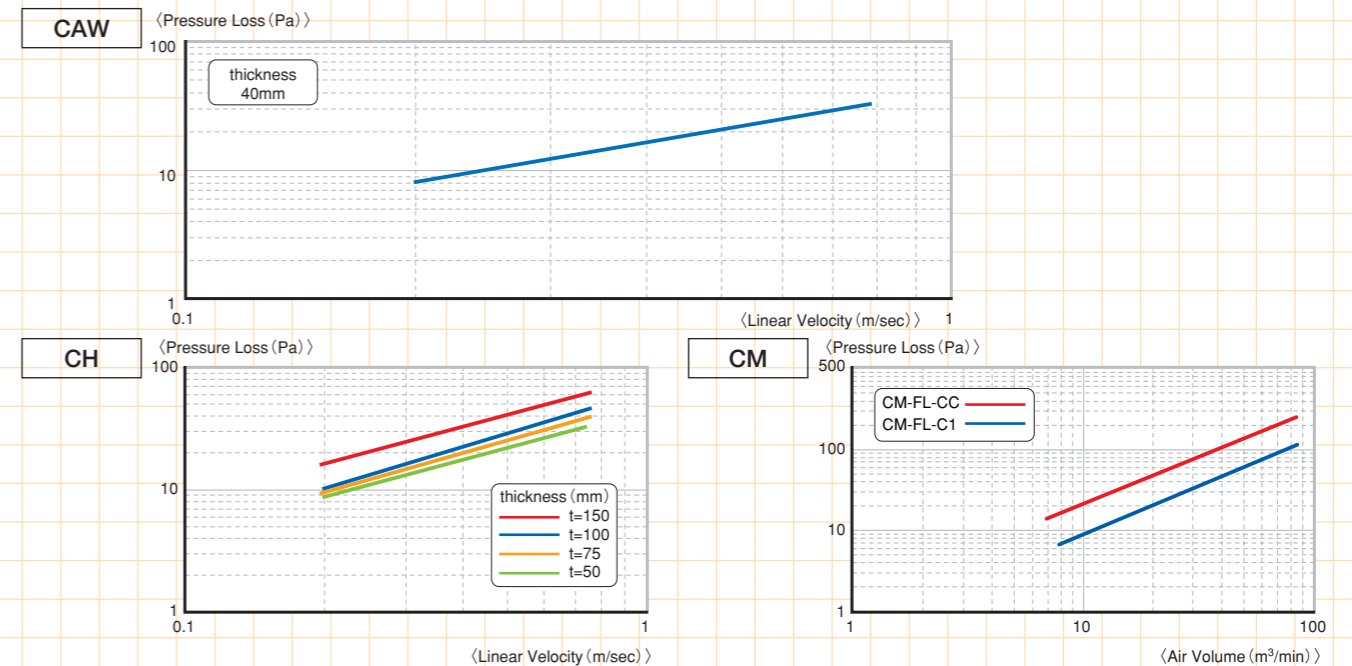


- 【Structure】 Pleated structure
- 【Properties】
- It is possible to process a high volume of contaminated air with a low pressure loss.
 - It is possible to use a CM filter in conjunction with a middle media filters.
- 【Applications】
- Atmosphere processing measures.
 - Clean room circulatory system.
 - Exhaust processing measures.

Types of Media

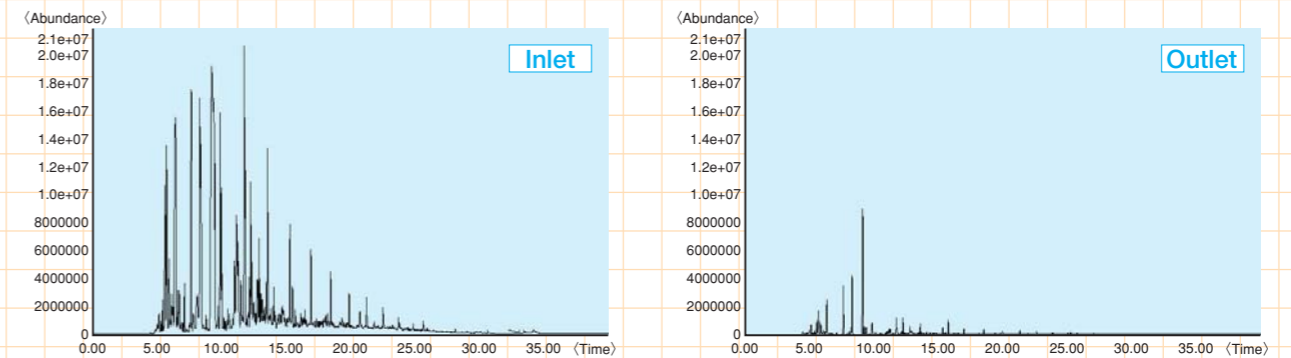
Media	Type			Target Gas	Typical Substance
	CAW	CH	CM		
C	○	○	○	organic	acetone, toluene, other solvents
N	○	○	○	alkali	ammonia, amine, NMP
H	○	○	○	acid	nitric acid, hydrochloric acid, fluoric acid
S	○	○	○	sulfide	hydrogen sulfide, sulfur oxide
O		○			ozone
B			○		air filter (middle media)

Pressure Loss



Typical Performance

【Organic Adsorption Performance of CAW Filters】



【used condition】

- clean room of semiconductor
- CleanSorb-II CAW-C 60mm
- linear velocity 0.5m/sec

	Inlet	Outlet
TOC	117	6
LBOC	51	3
MBOC	60	3
HBOC	5	0

TOC : Total organic compound
 LBOC : Low boiling organic compound (~150°C), (C₉~C₉)
 MBOC : Middle boiling organic compound (150°C~300°C), (C₉~C₁₈)
 HBOC : High boiling organic compound (300°C~), (C₁₈~)

