

Product Model (Type/W-H-t)

Type	W(mm)	H(mm)	t(mm)	Approx. weight at PureACT-N
CL-AH	610	610	55	5.0kg
			105	9.0kg
			155	13.5kg
CL-AN		305	55	3.0kg
			105	5.0kg
			155	7.0kg

The product code is indicated as follows: Type/W-H-t. The above shows an example.

The above model is an aluminum-frame filter. Please inquire for filters made of other materials.

Products used in combination with similar or different filter mediums are called "Clearant" filters.

Please inquire for custom sizes or "Clearant" filters.

Application

Suitable to be integrated with an FFU (Filter Fan Unit) combined with a HEPA filter or a ULPA filter. Ideally suitable for a clean room, clean booth or minienvironment requiring the highest levels of cleanliness.

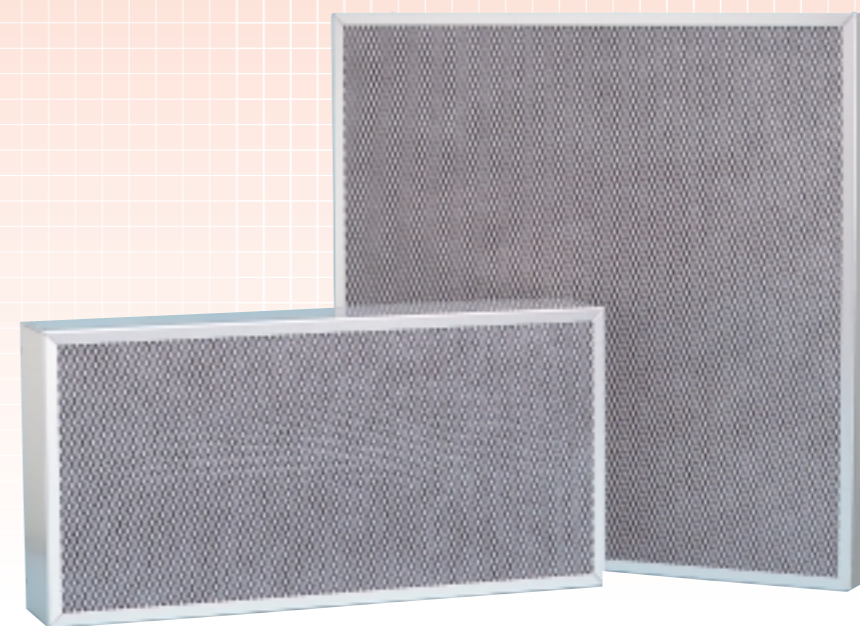
PureACT can be combined with other types of PureACT, PureMold, or PureFoam to remove many kinds of contaminants as a "Clearant" filter.

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.

PureACT

Honeycomb Chemical Filter



NIPPON PURETEC CO., LTD.

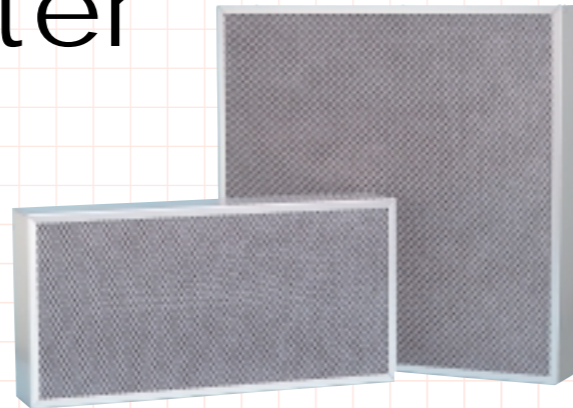
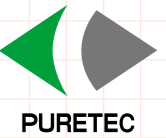
1-20, 2-CHOME, IWAMOTO-CHO, CHIYODA-KU, TOKYO, 101-0032, JAPAN
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NIPPON PURETEC CO., LTD.

Honeycomb Chemical Filter PureACT



PureACT

PureACT is a honeycomb chemical made mainly from a sheet of activated carbon powder which facilitates longer life in addition to high removal efficiency and low-pressure loss. Using high performance activated carbon powder, alkalis, acids or organic compounds in ppb levels are removed from the air. It is most suitable for use in semiconductor manufacturing or processing facilities.

Medium Types

Name	Main Removal Target Contaminants	Bulk Density	Theoretical Absorption Capacity
PureACT-H	Acids such as Hydrochloric acid, Nitric acid, H ₂ S and SO ₂ , and Boron	170g/	21.0g-HCl/kg
PureACT-N	Alkalis such as Ammonium, Amines, etc	195g/	34.5g-NH ₃ /kg
PureACT-K	Organic compounds such as DOP, DBP and Toluene	150g/	54.0g-Toluene/kg

Survry ratio by our company

Strong Points

High removal efficiency

High performance activated carbon powder in the media removes low-level chemical contaminants efficiently.

Low pressure loss

Honeycomb core allows air ventilation through the corrugated section, minimizing loss of pressure.

Long lifetime

By using activated carbon in a powder form, the amount utilized in the same unit is increased, thereby extending the performance period.

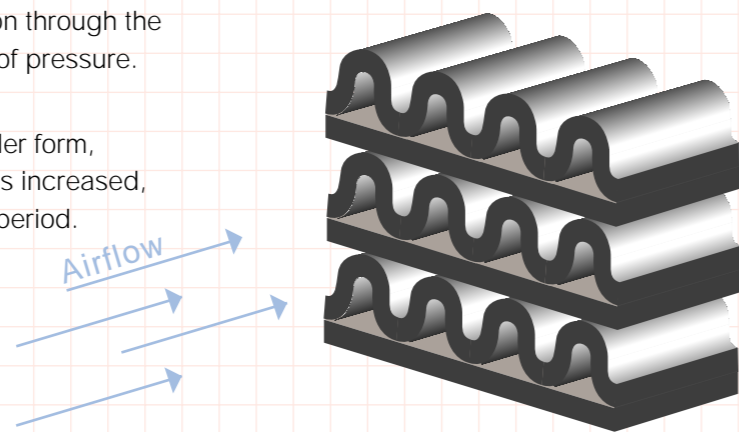
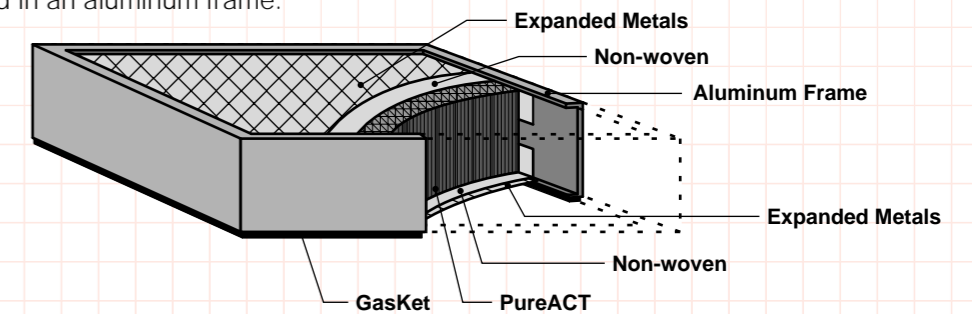


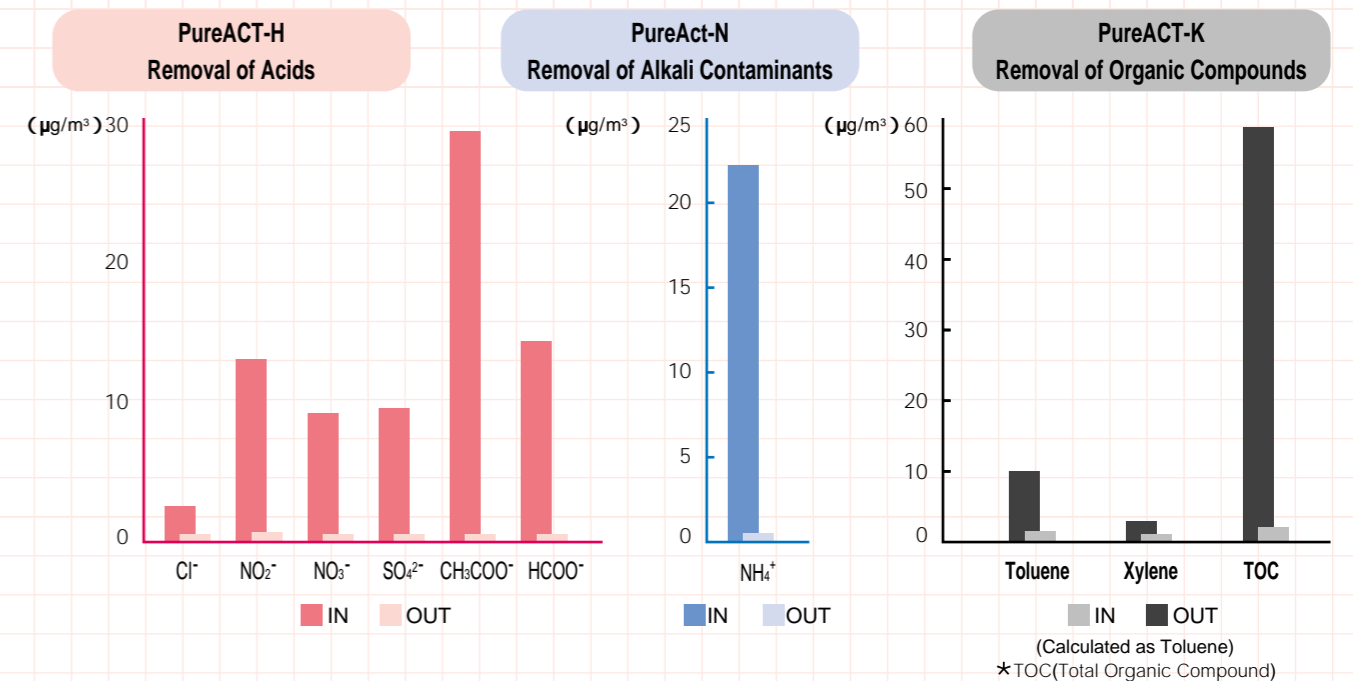
Image of Honeycomb Structure (magnified)

Structure

The honeycomb, which is covered with non-woven fabrics and expanded metals, is packed in an aluminum frame.



Removal Performance Test (Media thickness : 150mm, LV=0.5m/sec)



Pressure Loss

