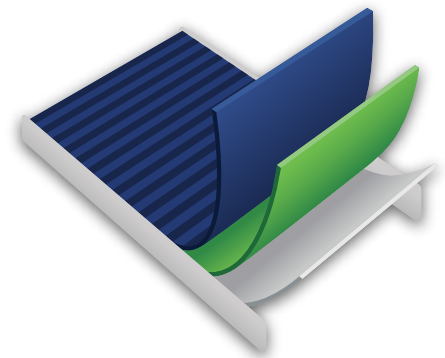




## Breathe easier by bringing best-in-class filtration media to your industry.

### LydAir GP is here to improve air quality and increase production yields.

LydAir GP is a composite structure that contains sorbent particles specially designed to remove airborne molecular contaminants. By using these particles, LydAir GP improves indoor air quality and production yields. It has the capability to protect the air we breathe as well as industrial processes and products across a wide range of industries.

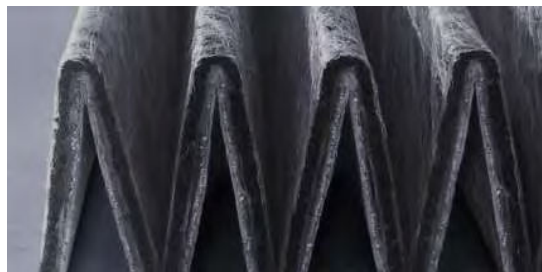


### Performance that outperforms.

LydAir GP achieves significant performance advantages per specific gram of sorbent media, which means higher efficiency and product lifetime.

### Flexible design.

Consisting of highly uniform adsorption layers that can be combined with high performance particulate media, LydAir GP can be engineered to match either rigidity demands for pleatability or made flexible for other applications.



### Molecular contaminant removal.

While the carbon within LydAir GP is immobilized, it is not encapsulated by a binder, resulting in low fines released and maximum surface area exposure – meaning more molecular contaminants and gaseous pollutants will be adsorbed

#### Targeted gases.

- Acids
- Aldehydes
- Ammonia
- Bases
- Nitrogen oxide
- VOC

### Cleaner air across many applications.

LydAir GP can address complex application demands from consumer to industrial and critical segments.

- Clean space
- Data centers
- Museums
- Fuel cell intake air
- EV cabin air
- Face masks and respirators
- Room air purifiers
- Office buildings
- Airports
- Restaurants
- Hospitals
- Manufacturing facilities
- Military buildings

## An innovation-driven leader.

LydAir GP is backed by Alkegen, a global leader in developing and providing high-performance specialty materials designed to positively impact the environment by saving energy, reducing pollution, and improving safety for people, buildings, and equipment.

For more than 75 years, Alkegen has developed transformative technologies at a large scale. Today, we work across multiple industries – including electric vehicles, batteries and energy storage, automotive and aerospace, industrial insulation, filtration, and fire protection – that require rigorous-quality standards, certifications, and compliance to global health, safety, and environmental regulations



Learn more about how LydAir GP can bring cleaner indoor air to your industry at [alkegen.com/lydair-gp](http://alkegen.com/lydair-gp).

Target Gases	Grades	Carbon weight g/m <sup>2</sup>	Total Basis Weight g/m <sup>2</sup>	Particulate Filtration Layer	Comment
VOCs	GP0100C1-6/6	100	139	-	drapable, suitable for face mask
	GP0100C1-10/6	100	201	-	pleatable
	GP0200C1-10/6	200	310	-	
	GP0200C1-10/T13	200	358	MERV 13	
	GP0320C1-9/6	320	455	-	
	GP0320C1-9/S1	320	471	Merv 15 ISO ePM10 80%	
	GP0480C1-9/6	480	649	-	
	GP0480C1-9/S1	480	667	Merv 15 ISO ePM10 80%	
Acids	GP0640C1-9/6	640	839	-	
	GP0640C1-9/S1	640	855	Merv 15 ISO ePM10 80%	
	GP0320A1-9/6	320	455	-	
	GP0320A1-9/S1	320	471	Merv 15 ISO ePM10 80%	
	GP0480A1-9/6	480	649	-	
	GP0480A1-9/S1	480	667	Merv 15 ISO ePM10 80%	
	GP0640A1-9/6	640	839	-	
	GP0640A1-9/S1	640	855	Merv 15 ISO ePM10 80%	
Aldehydes	GP0640A1-9/S2	640	871	Merv 16 ISO ePM1 75%	
	GP0480A2-9/6	480	649	-	
	GP0480A2-9/S1	480	667	Merv 15 ISO ePM10 80%	
	GP0640A2-9/6	640	839	-	
Bases	GP0640A2-9/S1	640	855	Merv 15 ISO ePM10 80%	
	GP0320A3-9/6	320	455	-	
Bases	GP0320A3-9/S1	320	473	Merv 15 ISO ePM10 80%	
	GP0480A3-9/6	480	660	-	
Bases	GP0640A3-9/6	640	839	-	
	GP0180B1-9/11	180	313	-	
Bases	GP0360B1-9/11	360	455	-	
	Multiple Fugitive Gases	Advanced & Multi Sorbents	please consult with our sales representatives for advanced grades: dual, triple sorbents & high CTC adsorbents with higher performance in equivalent basis weights		

all grades can be available without/with particulate filtration Merv 8-Merv 16; ePM10-ePM1 75 % efficiency



9,000+ employees worldwide



75+ years of global service and support



60+ manufacturing facilities



ISO 9001 IATF 16949 accredited



Email: [info@Alkegen.com](mailto:info@Alkegen.com)

Telephone: North America & Asia

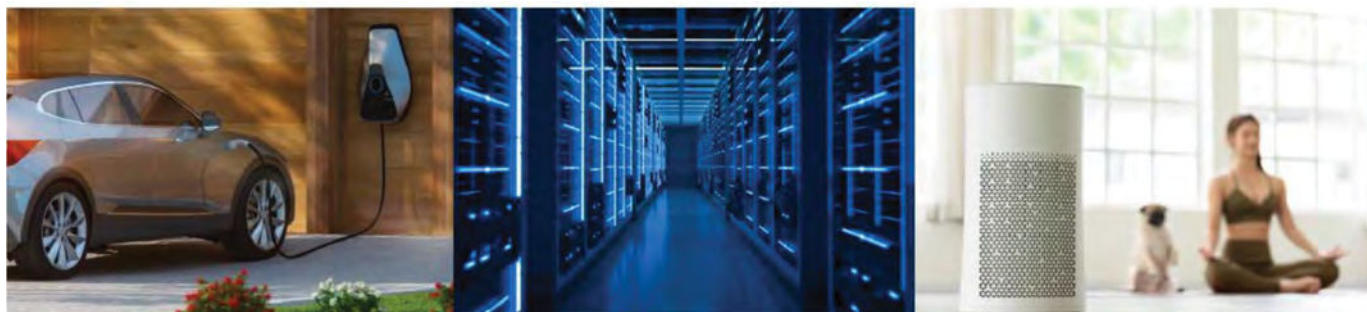
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# Product Information Sheet

## GP0200C1-10/T13



### Description:

LydAir® Gas Phase filter media consists of a highly uniform, activated carbon layer that is supported by a flexible substrate and covered with at top sheet. The carbon is immobilized, but NOT encapsulated by binder – resulting in low fines release and optimum surface area exposure.

### Features and Advantages:

- Uniform Structure provides consistency
- Little or no fines released
- Outstanding palatability
- Combined with high efficiency layer to provide additional particulate filtration

### Applications:

- Clean Space
- Data Centers
- Museums
- Fuel Cell Intake Air
- EV Cabin Air
- Face Mask, Respirators
- Room Air Purifier
- Office Buildings
- Airports
- Restaurants
- Hospitals
- Manufacturing Facilities

### GP0200C1-10/T13 Typical Properties

Carbon weight gsm	200
Total Basis Weight gsm	358
Thickness 4psf mils	83
Thickness .19 kPA mm	2.11
Air Permeability ft <sup>3</sup> /ft <sup>2</sup> /min	219
Air Permeability L/m <sup>2</sup> /s	1780

### Efficiency

Penetration 0.3um NaCl @5.33cm/s	7.83
Air Resistance (mm) 0.3um NaCl @5.33cm/s	0.6
MERV Rating	MERV 13

Note: All product data is nominal and does not represent a specification. All data and statements concerning these products may be considered as being indicative of representative properties and characteristics obtainable. We make no warranty, expressed or implied, concerning actual use or results because of industry specific influences.

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