

HIGH-PERFORMANCE AIR FILTERS FOR DIVERSE SEGMENTS

BEST QUALITY AIR

COMPLIANT WITH INTERNATIONAL STANDARDS
FOR ALL YOUR DEMANDS



A RANGE OF SOLUTIONS FOR THE HOUSING AND CONSTRUCTION MARKETS

- 1 FACADES
- 2 TECHNICAL MARKETS
- 3 PARTITIONS
- 4 CEILINGS
- 5 FLOORING



- 6 JOINERY AND WINDOWS
- 7 INTERIOR FINISHING AND DECORATION
- 8 LANDSCAPING
- 9 SHELL AND INFRASTRUCTURE

SAINT-GOBAIN

Worldwide leader in light and sustainable construction, Saint-Gobain designs, manufactures and distributes materials and services for the construction and industrial markets.

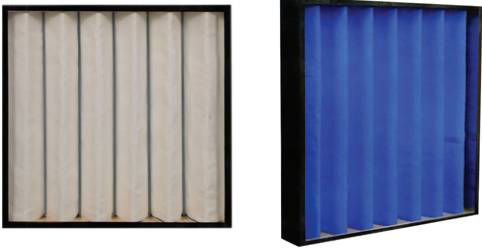


Its integrated solutions for the renovation of public and private buildings, light construction and the de-carbonization of construction and industry are developed through a continuous innovation process which provides sustainability and performance.

The Group's commitment is guided by its purpose, **"MAKING THE WORLD A BETTER HOME"**



SELECTION GUIDE

CHOOSE FROM OUR WIDE RANGE OF FILTERS,
DESIGNED FOR A VARIETY OF APPLICATIONS.

MERV	Typically Controlled Contaminant	SG Product Range
MERV 1-4	>10 micron particles: pollen, dust mites, sanding dust, spray paint dust, textile fibres, carpet fibres	Pre-Filters  (Pleated and Rod types)
MERV 5-8	3-10 micron particles: mould spores, hair spray, fabric protector, dusting aids, cement dust, pudding mix	
MERV 9-12	1-3 micron particles: legionella, humidifier dust, lead dust, milled flour, auto emissions, welding fumes	Fine Filters  (Pleated and Pocket types)
MERV 12-16	0.3-1 micron particles: all bacteria, most tobacco smoke, droplet nuclei	
HEPA	<0.3 micron particles: virus (unattached), carbon dust, all combustion smoke	HEPA Filters  (Mini-pleat, Deep pleat, V-Bank, Gel seal)

Application sectors

 Clean Rooms	 Commercial Spaces (Office Building)	 Data Centres	 Education	 Electronics
 Food & Beverages	 Healthcare	 Hospitality	 Pharma	 Retail & Entertain- ment

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 Clean Rooms	 Food & Beverages	 Healthcare	 Pharma
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SG PRE-FILTER MEDIA



Design

- G4 Equivalent

Advantages

- 3x dust holding capacity
- 40% quick drying
- Washable grade - low media disintegration
- Indigenous media - protected by provisional patent application

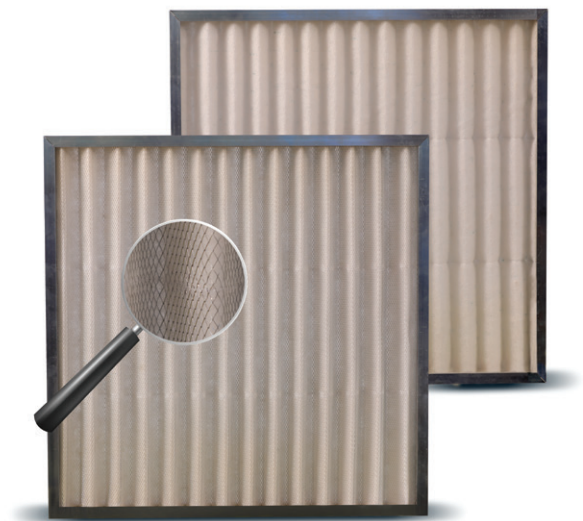
Design

- Media: Synthetic (SG media): G4 Equivalent
- Media with customized support
- Frame material: GI/Al/Powder Coated
- Customizable dimensions

Advantages

- All advantages of SG Media
- Low IPD ≤ 65 Pa
- Washable grade
- Compliant with international standards

PRE-FILTERS



FINE FILTERS

Design

- Media: Synthetic
- Available in pleated and rod type
- Extended surface area
- Frame material: GI/Al/Powder Coated
- Customizable dimensions

Advantages

- High dust holding capacity
- Low initial pressure drop
- Compliant with international standards



Design

- Media: Synthetic
- It is available in box/flange/header type design
- Extended surface area
- Frame material: GI/Al/Powder Coated
- Customizable Dimensions

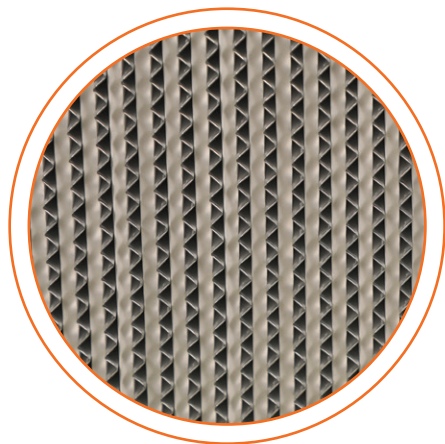
Advantages

- High dust holding capacity
- Low initial pressure drop
- Compliant with international standards

BAG FILTER



DEEP PLEAT HEPA FILTERS



Design:

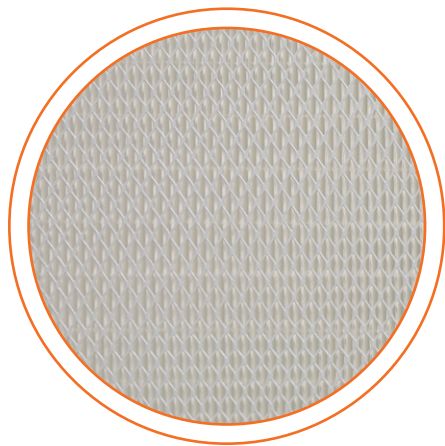
- Media: Micro-glass fibers
- Aluminum separators
- Frame material: GI/Al/Plastic
- Customizable dimensions

Advantages:

- Low initial pressure drop
- 99.995% efficiency: H14
- Leakage scan for every filter



MINI PLEAT HEPA FILTERS

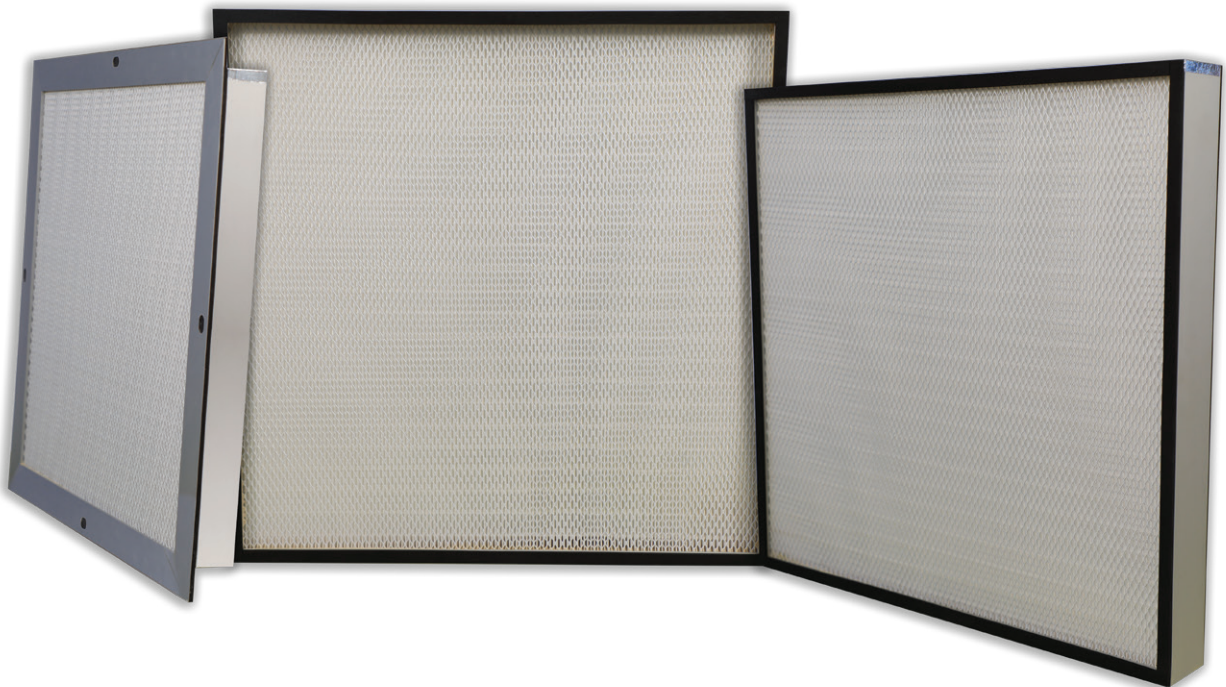


Design:

- Media: Micro-glass fibers
- Plastic separators
- Frame material: GI/Al/Plastic
- Customizable dimensions

Advantages:

- Low initial pressure drop
- 99.995% efficiency: H14
- Leakage scan for every filter



TEST STANDARDS

ASHRAE 52.2:2017

- The range of Pre-Filters and Fine Filters supplied by Saint-Gobain have been tested as per ASHRAE 52.2:2017.
- The test measures the performance of air-cleaning devices in removing particles of specific diameters. It further classifies the filters based on these parameters.

EN 1822

- All HEPA Filters supplied by Saint-Gobain are in accordance with EN 1822. These are high grade filters in compliance to standards in Pharmaceuticals, Healthcare and Food & Beverages sectors.
- The standard establishes a procedure for determination of efficiency. Further, it classifies the filters on the basis of their efficiencies (both local and integral).

Third Party Testing

- All of the efficiency tests have been performed by independent third party labs in India and the US.

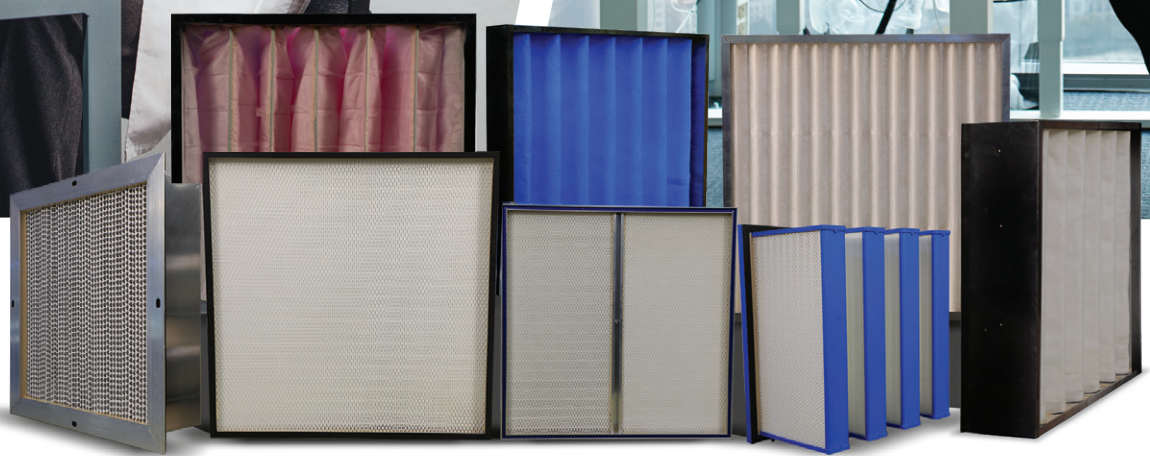


RESEARCH & DEVELOPMENT

Saint-Gobain Research India (SGR India) is one of the eight transversal R&D centres for the Saint-Gobain Group.

With a mission of “Making The World a Better Home”, we focus on sustainable building and construction. Our building science extensively emphasizes on maintaining high quality indoor environment. SGR India has a strong working relationship with Green Business Certification Institute (GBCI) where we jointly study the air quality in Indian buildings.






SAINT-GOBAIN



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