+357 96 030922
info@marketpublishers.com

Global Structured Solid-Sorbent Carbon Capture Filter Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G9CDA1426BCDEN.html
Date: September 2026
Pages: 149
Price: US$ 4,480.00 (Single User License)
ID: G9CDA1426BCDEN

Abstracts

The global Structured Solid-Sorbent Carbon Capture Filter market size is expected to reach $ 1147 million by 2032, rising at a market growth of 30.2% CAGR during the forecast period (2026-2032).

A Structured Solid-Sorbent Carbon Capture Filter is a regenerable gas-contacting element in which a solid CO?-selective sorbent is immobilized, coated, impregnated, grafted, grown, extruded, laminated, fiber-formed or otherwise integrated onto a structured support with controlled flow channels, high geometric surface area and low pressure drop. As a CO?-containing gas passes through the filter or contactor, CO? is selectively adsorbed or chemisorbed. Once saturated, the element is regenerated through a change in temperature, vacuum, pressure, steam, humidity or electrical potential, producing a concentrated CO? stream and restoring the filter for repeated capture cycles.

The market scope includes sorbent-coated monoliths and honeycombs, structured laminates, replaceable cartridges, panels, tiles, discs, hollow-fiber modules, electroactive sorbent stacks, rotary adsorber elements and dedicated structured-sorbent contactor modules used in direct air capture and point-source carbon capture. Where the filters are captive components of integrated equipment, only the attributable value of the structured media and adsorption contactor section is included.

The scope excludes liquid-solvent absorption systems, membrane separation equipment, unformed loose powders or bulk adsorbent pellets sold solely as raw materials, conventional air-purification filters, high-temperature looping particles, CO? compression, transportation, utilization and storage equipment, and carbon-credit revenue.

+357 96 030922
info@marketpublishers.com

Key Findings

Honeycomb monoliths and laminated structured media represent the most commercially advanced filter architectures

Direct air capture and cement-related point-source capture are leading early commercialization pathways

Electroactive solid-state stacks are emerging as a distinct electrically regenerated product segment

Market Trends

The principal technology trend is the replacement of loose pellets and conventional packed beds with thin-wall, open-channel and high-surface-area structures that improve gas distribution while reducing fan power and thermal mass. Climeworks' Generation 3 platform replaces its previous packed filter beds with structured sorbent materials and reports at least twice the adsorption-desorption cycling rate, approximately half the energy consumption and a targeted threefold increase in filter-material lifetime. Svante is industrializing rapid-cycle MOF-coated laminated filters and rotary contactors, while CORMETECH, Corning, W. L. Gore, CDTi and NGK are adapting automotive catalyst substrates, fluoropolymer laminates, ceramic honeycombs and OEM coating processes to carbon capture. Product development is increasingly conducted through partnerships linking sorbent chemistry developers, substrate manufacturers, coating specialists and system OEMs rather than through fully vertically integrated development.

A second trend is the diversification of structured formats. Honeycomb monoliths remain attractive for high-volume gas flow because they combine low pressure drop with established extrusion and coating methods. Laminated sheets and parallel-channel stacks support rapid thermal cycling and compact rotary equipment. Carbon Collect uses modular sorbent discs, NeoCarbon is developing hollow-fiber cartridges, and Carbyon has demonstrated fast-swing thin-film cartridges that reach 90% of saturation in approximately 100 seconds. Electrochemical suppliers such as Verdox and RepAir are developing modular stacks in which active materials are immobilized within electrode or membrane-electrode assemblies and regenerated by changing electrical

+357 96 030922
info@marketpublishers.com

potential rather than by heating the entire contactor. These architectures broaden the market beyond conventional thermally regenerated filters while retaining the defining characteristics of a structured, regenerable solid capture medium.

Market Dynamics

Drivers

The fundamental driver is process intensification. A structured contactor can expose a large sorbent area to the gas stream without the high pressure drop, particle movement and uneven flow distribution associated with deep packed beds. Lower pressure drop directly reduces blower electricity, while lower structural mass reduces the heat required during temperature-swing regeneration. Shorter diffusion pathways also enable faster adsorption and desorption, allowing a smaller sorbent inventory and contactor volume to deliver a given annual capture capacity. These advantages are particularly important in direct air capture, where atmospheric CO? concentration is only about 0.04% and exceptionally large volumes of air must be processed. They are also relevant to cement, lime, waste-to-energy and gas-fired power applications, where large flue-gas volumes make fan power and equipment footprint material economic considerations.

Commercial demand is also supported by growing procurement of durable carbon removal, government-backed DAC hubs and industrial decarbonization projects. Standardized filters and cartridges can be manufactured centrally, installed in repeatable modules and replaced independently of the surrounding fans, vessels and regeneration equipment. This creates a recurring aftermarket for replacement media, recoating, refurbishment and sorbent upgrades. Open-architecture systems such as CarbonCapture’s platform can accept successive generations of structured sorbents, reducing equipment obsolescence and allowing improvements in sorbent capacity or lifetime to be introduced without replacing the entire capture machine.

Restraints

The market remains technically diverse and commercially immature, and no single filter structure performs optimally across ambient air, humid HVAC air and contaminated industrial flue gas. Amine-functionalized sorbents may lose capacity through oxidation, volatilization or irreversible reactions with contaminants, while some MOFs and inorganic adsorbents are sensitive to water or require carefully controlled regeneration

+357 96 030922
info@marketpublishers.com

conditions. Repeated heating, cooling, vacuum exposure and steam contact can cause coating cracking, delamination, pore blockage, fiber deformation or seal failure. Structured media also dilute active sorbent with substrate and binder material, so a filter with excellent volumetric flow characteristics may have lower gravimetric CO? capacity than the corresponding loose sorbent. The optimum commercial design must therefore balance sorbent loading, pressure drop, heat capacity, mechanical strength and cyclic durability rather than maximizing one laboratory metric.

Production scale is another limitation. Commercial deployment requires uniform sorbent loading across thousands of channels or large areas of laminate, controlled coating thickness, consistent adhesion and reproducible flow resistance. Small coating variations can generate hot spots, premature breakthrough or uneven regeneration when repeated across a large array. Qualification also requires thousands of operating cycles under realistic humidity, oxygen, sulfur, nitrogen oxide and particulate conditions. Many market participants have demonstrated laboratory units or small pilots but have not yet established automated high-volume manufacturing, long-duration operating references or validated replacement intervals. Consequently, announced capture capacity should not be treated as equivalent to realized filter shipments.

Opportunities

The largest near-term product opportunity lies in standardized honeycomb, laminate and cartridge manufacturing for DAC system developers that do not intend to build their own media-production lines. Corning, CORMETECH, W. L. Gore, CDTi and NGK illustrate the emergence of specialized substrate, coating and structured-contactor suppliers serving multiple system architectures. Contract manufacturing allows DAC developers to concentrate on process cycles, thermal integration and project execution while using industrial suppliers with existing extrusion, roll-to-roll coating, catalyst coating or composite-lamination capabilities. Replaceable media can also support performance-based service contracts under which the manufacturer supplies periodic recoating, sorbent replacement or higher-capacity upgrades.

Point-source capture offers an important expansion route because structured filters can be tailored to specific gas compositions and integrated into compact modular plants. Cement and lime kilns are particularly relevant for MOF and chemically adsorbing filters because of their high process emissions and limited alternatives for eliminating calcination-related CO?. Additional opportunities exist in hydrogen and ammonia production, steel and metallurgy, pulp and paper, waste-to-energy and gas-fired

+357 96 030922
info@marketpublishers.com

generation, provided that the sorbent and support tolerate moisture, oxygen and trace contaminants. Distributed applications are also developing: Soletair Power integrates amine-functionalized filters into building HVAC systems, NeoCarbon uses hollow fibers and low-grade waste heat around data centers and industrial cooling systems, and Aircapture is deploying modular systems using Corning ceramic contactor materials for onsite CO? supply to beverages, concrete and other users.

Challenges

A major industry challenge is establishing comparable performance standards. Suppliers report capacity using different gas concentrations, temperatures, humidity levels, cycle durations, system boundaries and definitions of net versus gross capture. Filter-level adsorption capacity does not by itself indicate annual productivity because productivity also depends on cycle time, regeneration energy, downtime and long-term degradation. Market evaluation therefore requires standardized reporting of working capacity, pressure drop, capture rate, product purity, thermal and electrical energy, water use, cycle life, sorbent loss and replacement interval. The value of a structured filter should be measured over its useful operating life rather than by initial sorbent capacity or media price alone.

Commercial bankability is equally important. Project owners need confidence that filter producers can supply consistent replacement media for ten or more years, maintain intellectual-property access and support warranties if a sorbent or coating degrades faster than expected. The current ecosystem includes startups, diversified materials companies and integrated DAC operators with very different financial strength and manufacturing capabilities. Double counting is another risk in market measurement because the same filter may be recorded once by a media supplier, again inside a contactor module and again as part of an integrated capture plant. This study therefore attributes revenue only to the structured media and dedicated adsorption-contactor section and separates captive internal transfers from external commercial sales.

Industry Chain Analysis

The upstream chain includes active sorbent materials, support substrates, binders, functional coatings and structural components. Active materials include amine-functionalized polymers and silica, metal-organic frameworks, zeolites, activated carbons, alkali carbonates, ion-exchange materials and electrically responsive organic

+357 96 030922
info@marketpublishers.com

compounds such as quinones. Support materials include cordierite and other ceramics, metallic honeycombs, expanded PTFE, nonwoven fabrics, polymer fibers, foams, hollow fibers, porous laminates and conductive electrode structures. Upstream process equipment includes extrusion dies, coating and impregnation lines, roll-to-roll laminators, fiber-spinning systems, drying and curing ovens, precision cutting systems and sorbent-characterization equipment. Sorbent purity, pore structure, coating viscosity, substrate porosity and adhesion consistency directly influence capture capacity, pressure drop, regeneration rate and lifetime.

The midstream stage covers contactor design, sorbent immobilization, coating, lamination, cartridge assembly, sealing, quality inspection, module integration and cyclic testing. Value creation is concentrated in matching the active chemistry to the structure and regeneration process. The same honeycomb substrate may perform differently depending on channel density, wall thickness, washcoat formulation, sorbent loading and steam or vacuum compatibility. System providers integrate the filters with fans, dampers, vacuum equipment, heaters, steam distribution, condensers, sensors and control software. For rotary or multi-bed systems, controls coordinate adsorption, isolation, regeneration and cooling so that one group of filters captures CO? while another is regenerated. Downstream customers include DAC project developers, carbon-removal operators, industrial emitters, HVAC operators and onsite CO? users. Long-term replacement media, recoating, filter refurbishment, performance monitoring and sorbent recycling form the principal recurring-value layer.

Segment Insights

By primary gas-contacting architecture, the recommended MECE classification is Honeycomb and Channelled Monolithic Filters, Laminated and Parallel-Channel Sheet Stacks, Fibrous Fabric and Foam Contactors, Hollow-Fiber and Tubular-Bundle Modules, Discrete Panel Disc Tile and Cartridge Arrays, and Electroactive Electrode-Cell Stacks. Classification should be based on the dominant load-bearing and gas-flow structure rather than the external shape of the complete machine. A cylindrical cartridge containing laminated sheets, for example, should be classified as a laminated parallel-channel stack rather than as a generic cartridge. This approach reduces overlap between structural form and final package design.

Honeycomb and monolithic filters currently have the strongest industrial manufacturing base because ceramic and metallic substrates can be extruded or formed with repeatable channel geometry and coated using processes derived from automotive

+357 96 030922
info@marketpublishers.com

emissions control. Laminated and parallel-channel media are commercially important in rapid-cycle and rotary systems because thin layers support fast heat and mass transfer. Fibrous and foam structures offer high accessible surface area but require control of compression, fiber shedding and coating durability. Hollow fibers provide direct integration of heat or moisture transfer with CO? capture and are an emerging option for building and data-center applications. Disc, tile and panel arrays support passive or semi-passive air exposure and modular replacement. Electroactive stacks remain an emerging segment but offer all-electric regeneration and rapid response without heating the entire gas-contacting structure.

By sorbent material and capture mechanism, the market can be classified into Physical-Adsorption Structured Filters, Chemical-Adsorption Structured Filters and Hybrid Physico-Chemical Structured Filters. Chemical adsorption currently has the broadest commercial relevance, particularly in DAC, because amines and other reactive sites provide stronger CO? affinity at atmospheric concentration. Physical adsorption using zeolites, activated carbons and selected MOFs can offer faster regeneration and lower reaction heat but may be more sensitive to low partial pressure and competing water adsorption. Hybrid systems combine porous physical adsorption with functional chemical sites to improve working capacity, selectivity and humidity tolerance. Electroactive filters form a mechanism-specific subsegment in which capture affinity changes with electrical state, as demonstrated by quinone-based electro-swing systems.

Downstream Market Opportunities

Cement and lime represent the leading point-source opportunity because a significant proportion of emissions originates from raw-material calcination and cannot be eliminated solely through fuel switching. Structured filters can be configured in modular trains and may be particularly attractive where space, water consumption or solvent handling constrain liquid-amine systems. Hydrogen, ammonia, oil and gas processing, pulp and paper, waste-to-energy and power generation provide additional opportunities, but each requires application-specific resistance to sulfur compounds, nitrogen oxides, oxygen, particulates and water. Steel and metallurgy include both higher-concentration process streams and dilute furnace or smelting exhaust, creating opportunities for thermal-swing and electroactive systems.

Direct Air Carbon Removal is the main long-term growth pathway because every DAC plant requires a large-area air contactor and repeated sorbent regeneration. Modular

+357 96 030922
info@marketpublishers.com

DAC systems allow filter production to scale through replication rather than through progressively larger individual vessels. Building HVAC is a smaller but differentiated application because existing ventilation fans and ducts can reduce incremental air-handling requirements. Data centers, supermarkets and industrial cooling sites also provide low-grade waste heat that can assist sorbent regeneration. Captured CO? can support permanent storage or nearby utilization in beverages, greenhouses, concrete curing, chemicals and synthetic fuels, although utilization demand and permanent carbon removal should be evaluated as separate end markets.

Regional Insights

North America has the broadest structured-media manufacturing and technology-development ecosystem. Svante operates a commercial filter manufacturing facility designed to supply capture capacity equivalent to as much as 10 million tonnes of CO? annually. CarbonCapture and W. L. Gore are commercializing replaceable structured DAC contactors, while CORMETECH, now operating within Johnson Matthey, develops honeycomb adsorbers for DAC and point-source capture. Corning and CDTi contribute ceramic substrates and scalable coating capabilities, and Aircapture, Carbon Collect, Sustaera, Verdox and GE Vernova expand the system and technology pool. U.S. Department of Energy programmes have also supported laminate, monolith, 3D-structured and electrochemical contactor development, making the region the principal center for supplier partnerships and first-of-a-kind manufacturing.

Europe is the leading operating region for solid-sorbent DAC and has a diverse group of system developers. Climeworks' Mammoth facility has a design capacity of up to 36,000 tonnes of CO? annually and its Generation 3 platform is shifting toward structured media. Soletair Power targets building HVAC, NeoCarbon integrates hollow-fiber capture with cooling and waste heat, Sirona uses replaceable solid-sorbent chemical filters, and the Carbyon technology acquired by Airhive uses fast-swing thin-film cartridges. The July 2026 acquisition of Carbyon means the combined business operates under Airhive, but its two technology routes should remain distinct for market statistics: Carbyon's thin-film cartridge technology fits the structured-filter scope, whereas Airhive's original fluidized-bed process does not.

Asia is at an earlier commercialization stage but has important substrate and equipment capabilities. Japan's NGK is developing and supplying prototype cordierite honeycomb sorbent substrates with substantially lower calculated pressure loss than pellet beds. In China, the CarbonBox project developed by China Energy Engineering Group and

+357 96 030922
info@marketpublishers.com

Shanghai Jiao Tong University has demonstrated a 600-tonne-per-year modular DAC system, indicating progress in locally engineered capture units, although the exact structured-media content should be confirmed before inclusion in filter-level statistics. Corning and other international substrate suppliers also have substantial manufacturing networks in Asia, providing a potential route for rapid regional scale-up once system demand becomes bankable.

Competitive Landscape Analysis

Corning is an important structured-substrate provider but should be counted as a finished-filter supplier only where its ceramic honeycomb is delivered with an integrated active sorbent or as an attributable part of an active contactor. NGK is a development-stage honeycomb substrate and prototype supplier rather than a fully commercial finished-filter leader. Sustaera is a valid solid-sorbent DAC developer, but the publicly disclosed information does not establish a specific structured filter architecture, so it should remain in the pending-verification group. Sirona Technologies is a valid solid-sorbent DAC equipment provider, although the detailed internal contactor geometry remains insufficiently disclosed for placement in a specific structural segment. GE Vernova should be added as a development and early-commercial participant after reporting a proprietary solid-sorbent DAC programme, a 10-tonne-per-year test unit and the launch of its first commercial deployment with a collaborator.

Zero Carbon Systems should replace Global Thermostat as the current enterprise name because it acquired Global Thermostat and its monolith-based solid-sorbent technology in 2024. Airhive should be recorded as the current owner of Carbyon following the July 14, 2026 acquisition, while only the acquired fast-swing thin-film cartridge route is included within this market. Airhive’s original mineral-sorbent fluidized-bed process uses moving unstructured particles and therefore belongs to a broader solid-sorbent DAC equipment market rather than the structured-filter segment. Raw sorbent suppliers, ceramic substrate suppliers without active coating, liquid-solvent systems, loose-pellet adsorbers and general EPC contractors should be maintained in adjacent supplier pools to prevent the competitive landscape from overstating the number of qualifying structured-filter manufacturers.

Report Scope

This report studies the global Structured Solid-Sorbent Carbon Capture Filter

+357 96 030922
info@marketpublishers.com

production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Structured Solid-Sorbent Carbon Capture Filter and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Structured Solid-Sorbent Carbon Capture Filter that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Structured Solid-Sorbent Carbon Capture Filter total production and demand, 2021-2032, (Units)

Global Structured Solid-Sorbent Carbon Capture Filter total production value, 2021-2032, (USD Million)

Global Structured Solid-Sorbent Carbon Capture Filter production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Structured Solid-Sorbent Carbon Capture Filter consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Structured Solid-Sorbent Carbon Capture Filter domestic production, consumption, key domestic manufacturers and share

Global Structured Solid-Sorbent Carbon Capture Filter production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Structured Solid-Sorbent Carbon Capture Filter production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Structured Solid-Sorbent Carbon Capture Filter production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

+357 96 030922
info@marketpublishers.com

This report profiles key players in the global Structured Solid-Sorbent Carbon Capture Filter market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Svante, Climeworks, CarbonCapture Inc., W. L. Gore & Associates, CORMETECH, Corning, Zero Carbon Systems(Global Thermostat), Aircapture, NGK Insulators, Soletair Power, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Structured Solid-Sorbent Carbon Capture Filter market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Structured Solid-Sorbent Carbon Capture Filter Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

+357 96 030922
info@marketpublishers.com

Rest of World

Market Segmentation

Global Structured Solid-Sorbent Carbon Capture Filter Market, Segmentation by Type:

Honeycomb And Monolithic Filters

Laminated And Parallel-Channel Filters

Fiber, Fabric And Foam Filters

Hollow-Fiber And Tube-Bundle Modules

Panel, Disc And Tile Sorbent Elements

Electroactive Sorbent Stacks

Global Structured Solid-Sorbent Carbon Capture Filter Market, Segmentation by Solid Sorbent Material & CO? Capture Mechanism:

Physical Adsorption Structured Filter

Chemical Adsorption Structured Filter

Hybrid Physico-chemical Structured Filter

Global Structured Solid-Sorbent Carbon Capture Filter Market, Segmentation by Application:

Cement And Lime

Steel And Metallurgy

+357 96 030922
info@marketpublishers.com

Hydrogen And Ammonia

Oil And Gas Processing

Power Generation

Waste-To-Energy

Pulp And Paper

Building HVAC

Direct Air Carbon Removal

Others

Companies Profiled:

Svante

Climeworks

CarbonCapture Inc.

W. L. Gore & Associates

CORMETECH

Corning

Zero Carbon Systems(Global Thermostat)

Aircapture

NGK Insulators

+357 96 030922
info@marketpublishers.com

Soletair Power

Carbon Collect

Sustaera

NeoCarbon

Airhive(Carbyon)

Sirona Technologies

Verdox

Key Questions Answered

1. How big is the global Structured Solid-Sorbent Carbon Capture Filter market?
2. What is the demand of the global Structured Solid-Sorbent Carbon Capture Filter market?
3. What is the year over year growth of the global Structured Solid-Sorbent Carbon Capture Filter market?
4. What is the total value of the global Structured Solid-Sorbent Carbon Capture Filter market?
5. Who are the Major Players in the global Structured Solid-Sorbent Carbon Capture Filter market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

1 SUPPLY SUMMARY

1.1 Structured Solid-Sorbent Carbon Capture Filter Introduction
1.2 World Structured Solid-Sorbent Carbon Capture Filter Supply & Forecast
  1.2.1 World Structured Solid-Sorbent Carbon Capture Filter Production Value (2021 & 2025 & 2032)
  1.2.2 World Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032)
  1.2.3 World Structured Solid-Sorbent Carbon Capture Filter Pricing Trends (2021-2032)
1.3 World Structured Solid-Sorbent Carbon Capture Filter Production by Region (Based on Production Site)
  1.3.1 World Structured Solid-Sorbent Carbon Capture Filter Production Value by Region (2021-2032)
  1.3.2 World Structured Solid-Sorbent Carbon Capture Filter Production by Region (2021-2032)
  1.3.3 World Structured Solid-Sorbent Carbon Capture Filter Average Price by Region (2021-2032)
  1.3.4 North America Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032)
  1.3.5 Europe Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032)
  1.3.6 China Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032)
  1.3.7 Japan Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032)
  1.3.8 India Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032)
  1.3.9 Southeast Asia Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032)
1.4 Market Drivers, Restraints and Trends
  1.4.1 Structured Solid-Sorbent Carbon Capture Filter Market Drivers
  1.4.2 Factors Affecting Demand
  1.4.3 Structured Solid-Sorbent Carbon Capture Filter Major Market Trends

2 DEMAND SUMMARY

2.1 World Structured Solid-Sorbent Carbon Capture Filter Demand (2021-2032)
2.2 World Structured Solid-Sorbent Carbon Capture Filter Consumption by Region
  2.2.1 World Structured Solid-Sorbent Carbon Capture Filter Consumption by Region (2021-2026)
  2.2.2 World Structured Solid-Sorbent Carbon Capture Filter Consumption Forecast by

+357 96 030922
info@marketpublishers.com

Region (2027-2032)
2.3 United States Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032)
2.4 China Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032)
2.5 Europe Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032)
2.6 Japan Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032)
2.7 South Korea Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032)
2.8 ASEAN Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032)
2.9 India Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Structured Solid-Sorbent Carbon Capture Filter Production Value by Manufacturer (2021-2026)
3.2 World Structured Solid-Sorbent Carbon Capture Filter Production by Manufacturer (2021-2026)
3.3 World Structured Solid-Sorbent Carbon Capture Filter Average Price by Manufacturer (2021-2026)
3.4 Structured Solid-Sorbent Carbon Capture Filter Company Evaluation Quadrant
3.5 Industry Rank and Concentration Rate (CR)
  3.5.1 Global Structured Solid-Sorbent Carbon Capture Filter Industry Rank of Major Manufacturers
  3.5.2 Global Concentration Ratios (CR4) for Structured Solid-Sorbent Carbon Capture Filter in 2025
  3.5.3 Global Concentration Ratios (CR8) for Structured Solid-Sorbent Carbon Capture Filter in 2025
3.6 Structured Solid-Sorbent Carbon Capture Filter Market: Overall Company Footprint Analysis
  3.6.1 Structured Solid-Sorbent Carbon Capture Filter Market: Region Footprint
  3.6.2 Structured Solid-Sorbent Carbon Capture Filter Market: Company Product Type Footprint
  3.6.3 Structured Solid-Sorbent Carbon Capture Filter Market: Company Product Application Footprint
3.7 Competitive Environment
  3.7.1 Historical Structure of the Industry
  3.7.2 Barriers of Market Entry
  3.7.3 Factors of Competition
3.8 New Entrant and Capacity Expansion Plans

+357 96 030922
info@marketpublishers.com

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Structured Solid-Sorbent Carbon Capture Filter Production Value Comparison
  4.1.1 United States VS China: Structured Solid-Sorbent Carbon Capture Filter Production Value Comparison (2021 & 2025 & 2032)
  4.1.2 United States VS China: Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share Comparison (2021 & 2025 & 2032)
4.2 United States VS China: Structured Solid-Sorbent Carbon Capture Filter Production Comparison
  4.2.1 United States VS China: Structured Solid-Sorbent Carbon Capture Filter Production Comparison (2021 & 2025 & 2032)
  4.2.2 United States VS China: Structured Solid-Sorbent Carbon Capture Filter Production Market Share Comparison (2021 & 2025 & 2032)
4.3 United States VS China: Structured Solid-Sorbent Carbon Capture Filter Consumption Comparison
  4.3.1 United States VS China: Structured Solid-Sorbent Carbon Capture Filter Consumption Comparison (2021 & 2025 & 2032)
  4.3.2 United States VS China: Structured Solid-Sorbent Carbon Capture Filter Consumption Market Share Comparison (2021 & 2025 & 2032)
4.4 United States Based Structured Solid-Sorbent Carbon Capture Filter Manufacturers and Market Share, 2021-2026
  4.4.1 United States Based Structured Solid-Sorbent Carbon Capture Filter Manufacturers, Headquarters and Production Site (States, Country)
  4.4.2 United States Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Value (2021-2026)
  4.4.3 United States Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production (2021-2026)
4.5 China Based Structured Solid-Sorbent Carbon Capture Filter Manufacturers and Market Share
  4.5.1 China Based Structured Solid-Sorbent Carbon Capture Filter Manufacturers, Headquarters and Production Site (Province, Country)
  4.5.2 China Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Value (2021-2026)
  4.5.3 China Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production (2021-2026)
4.6 Rest of World Based Structured Solid-Sorbent Carbon Capture Filter Manufacturers

+357 96 030922
info@marketpublishers.com

and Market Share, 2021-2026
4.6.1 Rest of World Based Structured Solid-Sorbent Carbon Capture Filter Manufacturers, Headquarters and Production Site (State, Country)
4.6.2 Rest of World Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Value (2021-2026)
4.6.3 Rest of World Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Structured Solid-Sorbent Carbon Capture Filter Market Size Overview by Type: 2021 VS 2025 VS 2032
5.2 Segment Introduction by Type
5.2.1 Honeycomb And Monolithic Filters
5.2.2 Laminated And Parallel-Channel Filters
5.2.3 Fiber, Fabric And Foam Filters
5.2.4 Hollow-Fiber And Tube-Bundle Modules
5.2.5 Panel, Disc And Tile Sorbent Elements
5.2.6 Electroactive Sorbent Stacks
5.3 Market Segment by Type
5.3.1 World Structured Solid-Sorbent Carbon Capture Filter Production by Type (2021-2032)
5.3.2 World Structured Solid-Sorbent Carbon Capture Filter Production Value by Type (2021-2032)
5.3.3 World Structured Solid-Sorbent Carbon Capture Filter Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY SOLID SORBENT MATERIAL & CO? CAPTURE MECHANISM

6.1 World Structured Solid-Sorbent Carbon Capture Filter Market Size Overview by Solid Sorbent Material & CO? Capture Mechanism: 2021 VS 2025 VS 2032
6.2 Segment Introduction by Solid Sorbent Material & CO? Capture Mechanism
6.2.1 Physical Adsorption Structured Filter
6.2.2 Chemical Adsorption Structured Filter
6.2.3 Hybrid Physico-chemical Structured Filter
6.3 Market Segment by Solid Sorbent Material & CO? Capture Mechanism
6.3.1 World Structured Solid-Sorbent Carbon Capture Filter Production by Solid Sorbent Material & CO? Capture Mechanism (2021-2032)

+357 96 030922
info@marketpublishers.com

6.3.2 World Structured Solid-Sorbent Carbon Capture Filter Production Value by Solid Sorbent Material & CO? Capture Mechanism (2021-2032)
6.3.3 World Structured Solid-Sorbent Carbon Capture Filter Average Price by Solid Sorbent Material & CO? Capture Mechanism (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World Structured Solid-Sorbent Carbon Capture Filter Market Size Overview by Application: 2021 VS 2025 VS 2032
7.2 Segment Introduction by Application
7.2.1 Cement And Lime
7.2.2 Steel And Metallurgy
7.2.3 Hydrogen And Ammonia
7.2.4 Oil And Gas Processing
7.2.5 Power Generation
7.2.6 Waste-To-Energy
7.2.7 Pulp And Paper
7.2.8 Building HVAC
7.2.9 Direct Air Carbon Removal
7.3 Market Segment by Application
7.3.1 World Structured Solid-Sorbent Carbon Capture Filter Production by Application (2021-2032)
7.3.2 World Structured Solid-Sorbent Carbon Capture Filter Production Value by Application (2021-2032)
7.3.3 World Structured Solid-Sorbent Carbon Capture Filter Average Price by Application (2021-2032)

8 COMPANY PROFILES

8.1 Svante
8.1.1 Svante Details
8.1.2 Svante Major Business
8.1.3 Svante Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.1.4 Svante Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.1.5 Svante Recent Developments/Updates
8.1.6 Svante Competitive Strengths & Weaknesses
8.2 Climeworks
8.2.1 Climeworks Details

+357 96 030922
info@marketpublishers.com

8.2.2 Climeworks Major Business
8.2.3 Climeworks Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.2.4 Climeworks Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.2.5 Climeworks Recent Developments/Updates
8.2.6 Climeworks Competitive Strengths & Weaknesses
8.3 CarbonCapture Inc.
8.3.1 CarbonCapture Inc. Details
8.3.2 CarbonCapture Inc. Major Business
8.3.3 CarbonCapture Inc. Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.3.4 CarbonCapture Inc. Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.3.5 CarbonCapture Inc. Recent Developments/Updates
8.3.6 CarbonCapture Inc. Competitive Strengths & Weaknesses
8.4 W. L. Gore & Associates
8.4.1 W. L. Gore & Associates Details
8.4.2 W. L. Gore & Associates Major Business
8.4.3 W. L. Gore & Associates Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.4.4 W. L. Gore & Associates Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.4.5 W. L. Gore & Associates Recent Developments/Updates
8.4.6 W. L. Gore & Associates Competitive Strengths & Weaknesses
8.5 CORMETECH
8.5.1 CORMETECH Details
8.5.2 CORMETECH Major Business
8.5.3 CORMETECH Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.5.4 CORMETECH Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.5.5 CORMETECH Recent Developments/Updates
8.5.6 CORMETECH Competitive Strengths & Weaknesses
8.6 Corning
8.6.1 Corning Details
8.6.2 Corning Major Business
8.6.3 Corning Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.6.4 Corning Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value,

+357 96 030922
info@marketpublishers.com

Gross Margin and Market Share (2021-2026)
8.6.5 Corning Recent Developments/Updates
8.6.6 Corning Competitive Strengths & Weaknesses
8.7 Zero Carbon Systems(Global Thermostat)
8.7.1 Zero Carbon Systems(Global Thermostat) Details
8.7.2 Zero Carbon Systems(Global Thermostat) Major Business
8.7.3 Zero Carbon Systems(Global Thermostat) Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.7.4 Zero Carbon Systems(Global Thermostat) Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.7.5 Zero Carbon Systems(Global Thermostat) Recent Developments/Updates
8.7.6 Zero Carbon Systems(Global Thermostat) Competitive Strengths & Weaknesses
8.8 Aircapture
8.8.1 Aircapture Details
8.8.2 Aircapture Major Business
8.8.3 Aircapture Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.8.4 Aircapture Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.8.5 Aircapture Recent Developments/Updates
8.8.6 Aircapture Competitive Strengths & Weaknesses
8.9 NGK Insulators
8.9.1 NGK Insulators Details
8.9.2 NGK Insulators Major Business
8.9.3 NGK Insulators Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.9.4 NGK Insulators Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.9.5 NGK Insulators Recent Developments/Updates
8.9.6 NGK Insulators Competitive Strengths & Weaknesses
8.10 Soletair Power
8.10.1 Soletair Power Details
8.10.2 Soletair Power Major Business
8.10.3 Soletair Power Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.10.4 Soletair Power Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.10.5 Soletair Power Recent Developments/Updates
8.10.6 Soletair Power Competitive Strengths & Weaknesses
8.11 Carbon Collect

+357 96 030922
info@marketpublishers.com

8.11.1 Carbon Collect Details
8.11.2 Carbon Collect Major Business
8.11.3 Carbon Collect Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.11.4 Carbon Collect Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.11.5 Carbon Collect Recent Developments/Updates
8.11.6 Carbon Collect Competitive Strengths & Weaknesses
8.12 Sustaera
8.12.1 Sustaera Details
8.12.2 Sustaera Major Business
8.12.3 Sustaera Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.12.4 Sustaera Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.12.5 Sustaera Recent Developments/Updates
8.12.6 Sustaera Competitive Strengths & Weaknesses
8.13 NeoCarbon
8.13.1 NeoCarbon Details
8.13.2 NeoCarbon Major Business
8.13.3 NeoCarbon Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.13.4 NeoCarbon Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.13.5 NeoCarbon Recent Developments/Updates
8.13.6 NeoCarbon Competitive Strengths & Weaknesses
8.14 Airhive(Carbyon)
8.14.1 Airhive(Carbyon) Details
8.14.2 Airhive(Carbyon) Major Business
8.14.3 Airhive(Carbyon) Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.14.4 Airhive(Carbyon) Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.14.5 Airhive(Carbyon) Recent Developments/Updates
8.14.6 Airhive(Carbyon) Competitive Strengths & Weaknesses
8.15 Sirona Technologies
8.15.1 Sirona Technologies Details
8.15.2 Sirona Technologies Major Business
8.15.3 Sirona Technologies Structured Solid-Sorbent Carbon Capture Filter Product and Services

+357 96 030922
info@marketpublishers.com

8.15.4 Sirona Technologies Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.15.5 Sirona Technologies Recent Developments/Updates
8.15.6 Sirona Technologies Competitive Strengths & Weaknesses
8.16 Verdox
8.16.1 Verdox Details
8.16.2 Verdox Major Business
8.16.3 Verdox Structured Solid-Sorbent Carbon Capture Filter Product and Services
8.16.4 Verdox Structured Solid-Sorbent Carbon Capture Filter Production, Price, Value, Gross Margin and Market Share (2021-2026)
8.16.5 Verdox Recent Developments/Updates
8.16.6 Verdox Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

9.1 Structured Solid-Sorbent Carbon Capture Filter Industry Chain
9.2 Structured Solid-Sorbent Carbon Capture Filter Upstream Analysis
9.2.1 Structured Solid-Sorbent Carbon Capture Filter Core Raw Materials
9.2.2 Main Manufacturers of Structured Solid-Sorbent Carbon Capture Filter Core Raw Materials
9.3 Midstream Analysis
9.4 Downstream Analysis
9.5 Structured Solid-Sorbent Carbon Capture Filter Production Mode
9.6 Structured Solid-Sorbent Carbon Capture Filter Procurement Model
9.7 Structured Solid-Sorbent Carbon Capture Filter Industry Sales Model and Sales Channels
9.7.1 Structured Solid-Sorbent Carbon Capture Filter Sales Model
9.7.2 Structured Solid-Sorbent Carbon Capture Filter Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

11.1 Methodology
11.2 Research Process and Data Source
11.3 Disclaimer

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Region (2021, 2025 and 2032) & (USD Million)
Table 2. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Region (2021-2026) & (USD Million)
Table 3. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Region (2027-2032) & (USD Million)
Table 4. World Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share by Region (2021-2026)
Table 5. World Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share by Region (2027-2032)
Table 6. World Structured Solid-Sorbent Carbon Capture Filter Production by Region (2021-2026) & (Units)
Table 7. World Structured Solid-Sorbent Carbon Capture Filter Production by Region (2027-2032) & (Units)
Table 8. World Structured Solid-Sorbent Carbon Capture Filter Production Market Share by Region (2021-2026)
Table 9. World Structured Solid-Sorbent Carbon Capture Filter Production Market Share by Region (2027-2032)
Table 10. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Region (2021-2026) & (US$/Unit)
Table 11. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Region (2027-2032) & (US$/Unit)
Table 12. Structured Solid-Sorbent Carbon Capture Filter Major Market Trends
Table 13. World Structured Solid-Sorbent Carbon Capture Filter Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)
Table 14. World Structured Solid-Sorbent Carbon Capture Filter Consumption by Region (2021-2026) & (Units)
Table 15. World Structured Solid-Sorbent Carbon Capture Filter Consumption Forecast by Region (2027-2032) & (Units)
Table 16. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Manufacturer (2021-2026) & (USD Million)
Table 17. Production Value Market Share of Key Structured Solid-Sorbent Carbon Capture Filter Producers in 2025
Table 18. World Structured Solid-Sorbent Carbon Capture Filter Production by Manufacturer (2021-2026) & (Units)

+357 96 030922
info@marketpublishers.com

Table 19. Production Market Share of Key Structured Solid-Sorbent Carbon Capture Filter Producers in 2025
Table 20. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Manufacturer (2021-2026) & (US$/Unit)
Table 21. Global Structured Solid-Sorbent Carbon Capture Filter Company Evaluation Quadrant
Table 22. World Structured Solid-Sorbent Carbon Capture Filter Industry Rank of Major Manufacturers, Based on Production Value in 2025
Table 23. Head Office and Structured Solid-Sorbent Carbon Capture Filter Production Site of Key Manufacturer
Table 24. Structured Solid-Sorbent Carbon Capture Filter Market: Company Product Type Footprint
Table 25. Structured Solid-Sorbent Carbon Capture Filter Market: Company Product Application Footprint
Table 26. Structured Solid-Sorbent Carbon Capture Filter Competitive Factors
Table 27. Structured Solid-Sorbent Carbon Capture Filter New Entrant and Capacity Expansion Plans
Table 28. Structured Solid-Sorbent Carbon Capture Filter Mergers & Acquisitions Activity
Table 29. United States VS China Structured Solid-Sorbent Carbon Capture Filter Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
Table 30. United States VS China Structured Solid-Sorbent Carbon Capture Filter Production Comparison, (2021 & 2025 & 2032) & (Units)
Table 31. United States VS China Structured Solid-Sorbent Carbon Capture Filter Consumption Comparison, (2021 & 2025 & 2032) & (Units)
Table 32. United States Based Structured Solid-Sorbent Carbon Capture Filter Manufacturers, Headquarters and Production Site (States, Country)
Table 33. United States Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Value, (2021-2026) & (USD Million)
Table 34. United States Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share (2021-2026)
Table 35. United States Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production (2021-2026) & (Units)
Table 36. United States Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Market Share (2021-2026)
Table 37. China Based Structured Solid-Sorbent Carbon Capture Filter Manufacturers, Headquarters and Production Site (Province, Country)
Table 38. China Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Value, (2021-2026) & (USD Million)

+357 96 030922
info@marketpublishers.com

Table 39. China Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share (2021-2026)
Table 40. China Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production, (2021-2026) & (Units)
Table 41. China Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Market Share (2021-2026)
Table 42. Rest of World Based Structured Solid-Sorbent Carbon Capture Filter Manufacturers, Headquarters and Production Site (State, Country)
Table 43. Rest of World Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Value, (2021-2026) & (USD Million)
Table 44. Rest of World Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share (2021-2026)
Table 45. Rest of World Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production, (2021-2026) & (Units)
Table 46. Rest of World Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Market Share (2021-2026)
Table 47. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Type, (USD Million), 2021 & 2025 & 2032
Table 48. World Structured Solid-Sorbent Carbon Capture Filter Production by Type (2021-2026) & (Units)
Table 49. World Structured Solid-Sorbent Carbon Capture Filter Production by Type (2027-2032) & (Units)
Table 50. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Type (2021-2026) & (USD Million)
Table 51. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Type (2027-2032) & (USD Million)
Table 52. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Type (2021-2026) & (US$/Unit)
Table 53. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Type (2027-2032) & (US$/Unit)
Table 54. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Solid Sorbent Material & CO? Capture Mechanism, (USD Million), 2021 & 2025 & 2032
Table 55. World Structured Solid-Sorbent Carbon Capture Filter Production by Solid Sorbent Material & CO? Capture Mechanism (2021-2026) & (Units)
Table 56. World Structured Solid-Sorbent Carbon Capture Filter Production by Solid Sorbent Material & CO? Capture Mechanism (2027-2032) & (Units)
Table 57. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Solid Sorbent Material & CO? Capture Mechanism (2021-2026) & (USD Million)
Table 58. World Structured Solid-Sorbent Carbon Capture Filter Production Value by

+357 96 030922
info@marketpublishers.com

Solid Sorbent Material & CO? Capture Mechanism (2027-2032) & (USD Million)
Table 59. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Solid Sorbent Material & CO? Capture Mechanism (2021-2026) & (US$/Unit)
Table 60. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Solid Sorbent Material & CO? Capture Mechanism (2027-2032) & (US$/Unit)
Table 61. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Application, (USD Million), 2021 & 2025 & 2032
Table 62. World Structured Solid-Sorbent Carbon Capture Filter Production by Application (2021-2026) & (Units)
Table 63. World Structured Solid-Sorbent Carbon Capture Filter Production by Application (2027-2032) & (Units)
Table 64. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Application (2021-2026) & (USD Million)
Table 65. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Application (2027-2032) & (USD Million)
Table 66. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Application (2021-2026) & (US$/Unit)
Table 67. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Application (2027-2032) & (US$/Unit)
Table 68. Svante Basic Information, Manufacturing Base and Competitors
Table 69. Svante Major Business
Table 70. Svante Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 71. Svante Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 72. Svante Recent Developments/Updates
Table 73. Svante Competitive Strengths & Weaknesses
Table 74. Climeworks Basic Information, Manufacturing Base and Competitors
Table 75. Climeworks Major Business
Table 76. Climeworks Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 77. Climeworks Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 78. Climeworks Recent Developments/Updates
Table 79. Climeworks Competitive Strengths & Weaknesses
Table 80. CarbonCapture Inc. Basic Information, Manufacturing Base and Competitors
Table 81. CarbonCapture Inc. Major Business
Table 82. CarbonCapture Inc. Structured Solid-Sorbent Carbon Capture Filter Product

+357 96 030922
info@marketpublishers.com

and Services
Table 83. CarbonCapture Inc. Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 84. CarbonCapture Inc. Recent Developments/Updates
Table 85. CarbonCapture Inc. Competitive Strengths & Weaknesses
Table 86. W. L. Gore & Associates Basic Information, Manufacturing Base and Competitors
Table 87. W. L. Gore & Associates Major Business
Table 88. W. L. Gore & Associates Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 89. W. L. Gore & Associates Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 90. W. L. Gore & Associates Recent Developments/Updates
Table 91. W. L. Gore & Associates Competitive Strengths & Weaknesses
Table 92. CORMETECH Basic Information, Manufacturing Base and Competitors
Table 93. CORMETECH Major Business
Table 94. CORMETECH Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 95. CORMETECH Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 96. CORMETECH Recent Developments/Updates
Table 97. CORMETECH Competitive Strengths & Weaknesses
Table 98. Corning Basic Information, Manufacturing Base and Competitors
Table 99. Corning Major Business
Table 100. Corning Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 101. Corning Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 102. Corning Recent Developments/Updates
Table 103. Corning Competitive Strengths & Weaknesses
Table 104. Zero Carbon Systems(Global Thermostat) Basic Information, Manufacturing Base and Competitors
Table 105. Zero Carbon Systems(Global Thermostat) Major Business
Table 106. Zero Carbon Systems(Global Thermostat) Structured Solid-Sorbent Carbon Capture Filter Product and Services

+357 96 030922
info@marketpublishers.com

Table 107. Zero Carbon Systems(Global Thermostat) Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 108. Zero Carbon Systems(Global Thermostat) Recent Developments/Updates
Table 109. Zero Carbon Systems(Global Thermostat) Competitive Strengths & Weaknesses
Table 110. Aircapture Basic Information, Manufacturing Base and Competitors
Table 111. Aircapture Major Business
Table 112. Aircapture Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 113. Aircapture Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 114. Aircapture Recent Developments/Updates
Table 115. Aircapture Competitive Strengths & Weaknesses
Table 116. NGK Insulators Basic Information, Manufacturing Base and Competitors
Table 117. NGK Insulators Major Business
Table 118. NGK Insulators Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 119. NGK Insulators Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 120. NGK Insulators Recent Developments/Updates
Table 121. NGK Insulators Competitive Strengths & Weaknesses
Table 122. Soletair Power Basic Information, Manufacturing Base and Competitors
Table 123. Soletair Power Major Business
Table 124. Soletair Power Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 125. Soletair Power Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 126. Soletair Power Recent Developments/Updates
Table 127. Soletair Power Competitive Strengths & Weaknesses
Table 128. Carbon Collect Basic Information, Manufacturing Base and Competitors
Table 129. Carbon Collect Major Business
Table 130. Carbon Collect Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 131. Carbon Collect Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market

+357 96 030922
info@marketpublishers.com

Share (2021-2026)
Table 132. Carbon Collect Recent Developments/Updates
Table 133. Carbon Collect Competitive Strengths & Weaknesses
Table 134. Sustaera Basic Information, Manufacturing Base and Competitors
Table 135. Sustaera Major Business
Table 136. Sustaera Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 137. Sustaera Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 138. Sustaera Recent Developments/Updates
Table 139. Sustaera Competitive Strengths & Weaknesses
Table 140. NeoCarbon Basic Information, Manufacturing Base and Competitors
Table 141. NeoCarbon Major Business
Table 142. NeoCarbon Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 143. NeoCarbon Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 144. NeoCarbon Recent Developments/Updates
Table 145. NeoCarbon Competitive Strengths & Weaknesses
Table 146. Airhive(Carbyon) Basic Information, Manufacturing Base and Competitors
Table 147. Airhive(Carbyon) Major Business
Table 148. Airhive(Carbyon) Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 149. Airhive(Carbyon) Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 150. Airhive(Carbyon) Recent Developments/Updates
Table 151. Airhive(Carbyon) Competitive Strengths & Weaknesses
Table 152. Sirona Technologies Basic Information, Manufacturing Base and Competitors
Table 153. Sirona Technologies Major Business
Table 154. Sirona Technologies Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 155. Sirona Technologies Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 156. Sirona Technologies Recent Developments/Updates

+357 96 030922
info@marketpublishers.com

Table 157. Sirona Technologies Competitive Strengths & Weaknesses
Table 158. Verdox Basic Information, Manufacturing Base and Competitors
Table 159. Verdox Major Business
Table 160. Verdox Structured Solid-Sorbent Carbon Capture Filter Product and Services
Table 161. Verdox Structured Solid-Sorbent Carbon Capture Filter Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 162. Verdox Recent Developments/Updates
Table 163. Verdox Competitive Strengths & Weaknesses
Table 164. Global Key Players of Structured Solid-Sorbent Carbon Capture Filter Upstream (Raw Materials)
Table 165. Global Structured Solid-Sorbent Carbon Capture Filter Typical Customers
Table 166. Structured Solid-Sorbent Carbon Capture Filter Typical Distributors

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. Structured Solid-Sorbent Carbon Capture Filter Picture
Figure 2. World Structured Solid-Sorbent Carbon Capture Filter Production Value: 2021 & 2025 & 2032, (USD Million)
Figure 3. World Structured Solid-Sorbent Carbon Capture Filter Production Value and Forecast (2021-2032) & (USD Million)
Figure 4. World Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032) & (Units)
Figure 5. World Structured Solid-Sorbent Carbon Capture Filter Average Price (2021-2032) & (US$/Unit)
Figure 6. World Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share by Region (2021-2032)
Figure 7. World Structured Solid-Sorbent Carbon Capture Filter Production Market Share by Region (2021-2032)
Figure 8. North America Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032) & (Units)
Figure 9. Europe Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032) & (Units)
Figure 10. China Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032) & (Units)
Figure 11. Japan Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032) & (Units)
Figure 12. India Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032) & (Units)
Figure 13. Southeast Asia Structured Solid-Sorbent Carbon Capture Filter Production (2021-2032) & (Units)
Figure 14. Structured Solid-Sorbent Carbon Capture Filter Market Drivers
Figure 15. Factors Affecting Demand
Figure 16. World Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032) & (Units)
Figure 17. World Structured Solid-Sorbent Carbon Capture Filter Consumption Market Share by Region (2021-2032)
Figure 18. United States Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032) & (Units)
Figure 19. China Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032) & (Units)

+357 96 030922
info@marketpublishers.com

Figure 20. Europe Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032) & (Units)
Figure 21. Japan Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032) & (Units)
Figure 22. South Korea Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032) & (Units)
Figure 23. ASEAN Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032) & (Units)
Figure 24. India Structured Solid-Sorbent Carbon Capture Filter Consumption (2021-2032) & (Units)
Figure 25. Producer Shipments of Structured Solid-Sorbent Carbon Capture Filter by Manufacturer Revenue ($MM) and Market Share (%): 2025
Figure 26. Global Four-firm Concentration Ratios (CR4) for Structured Solid-Sorbent Carbon Capture Filter Markets in 2025
Figure 27. Global Four-firm Concentration Ratios (CR8) for Structured Solid-Sorbent Carbon Capture Filter Markets in 2025
Figure 28. United States VS China: Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share Comparison (2021 & 2025 & 2032)
Figure 29. United States VS China: Structured Solid-Sorbent Carbon Capture Filter Production Market Share Comparison (2021 & 2025 & 2032)
Figure 30. United States VS China: Structured Solid-Sorbent Carbon Capture Filter Consumption Market Share Comparison (2021 & 2025 & 2032)
Figure 31. United States Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Market Share 2025
Figure 32. China Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Market Share 2025
Figure 33. Rest of World Based Manufacturers Structured Solid-Sorbent Carbon Capture Filter Production Market Share 2025
Figure 34. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Type, (USD Million), 2021 & 2025 & 2032
Figure 35. World Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share by Type in 2025
Figure 36. Honeycomb And Monolithic Filters
Figure 37. Laminated And Parallel-Channel Filters
Figure 38. Fiber, Fabric And Foam Filters
Figure 39. Hollow-Fiber And Tube-Bundle Modules
Figure 40. Panel, Disc And Tile Sorbent Elements
Figure 41. Electroactive Sorbent Stacks
Figure 42. World Structured Solid-Sorbent Carbon Capture Filter Production Market

+357 96 030922
info@marketpublishers.com

Share by Type (2021-2032)
Figure 43. World Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share by Type (2021-2032)
Figure 44. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Type (2021-2032) & (US$/Unit)
Figure 45. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Solid Sorbent Material & CO? Capture Mechanism, (USD Million), 2021 & 2025 & 2032
Figure 46. World Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share by Solid Sorbent Material & CO? Capture Mechanism in 2025
Figure 47. Physical Adsorption Structured Filter
Figure 48. Chemical Adsorption Structured Filter
Figure 49. Hybrid Physico-chemical Structured Filter
Figure 50. World Structured Solid-Sorbent Carbon Capture Filter Production Market Share by Solid Sorbent Material & CO? Capture Mechanism (2021-2032)
Figure 51. World Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share by Solid Sorbent Material & CO? Capture Mechanism (2021-2032)
Figure 52. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Solid Sorbent Material & CO? Capture Mechanism (2021-2032) & (US$/Unit)
Figure 53. World Structured Solid-Sorbent Carbon Capture Filter Production Value by Application, (USD Million), 2021 & 2025 & 2032
Figure 54. World Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share by Application in 2025
Figure 55. Cement And Lime
Figure 56. Steel And Metallurgy
Figure 57. Hydrogen And Ammonia
Figure 58. Oil And Gas Processing
Figure 59. Power Generation
Figure 60. Waste-To-Energy
Figure 61. Pulp And Paper
Figure 62. Building HVAC
Figure 63. Building HVAC
Figure 64. World Structured Solid-Sorbent Carbon Capture Filter Production Market Share by Application (2021-2032)
Figure 65. World Structured Solid-Sorbent Carbon Capture Filter Production Value Market Share by Application (2021-2032)
Figure 66. World Structured Solid-Sorbent Carbon Capture Filter Average Price by Application (2021-2032) & (US$/Unit)
Figure 67. Structured Solid-Sorbent Carbon Capture Filter Industry Chain
Figure 68. Structured Solid-Sorbent Carbon Capture Filter Procurement Model

+357 96 030922
info@marketpublishers.com

Figure 69. Structured Solid-Sorbent Carbon Capture Filter Sales Model
Figure 70. Structured Solid-Sorbent Carbon Capture Filter Sales Channels, Direct Sales, and Distribution
Figure 71. Methodology
Figure 72. Research Process and Data Source

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Structured Solid-Sorbent Carbon Capture Filter Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/G9CDA1426BCDEN.html

Price: US$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G9CDA1426BCDEN.html