

SIDCO

FILTER COMPANY



OEM and Aftermarket Filter Manufacturing
for Air and Gas Applications



The Sidco Story

Founded in 1997, we have steadily grown and operated from our comprehensive facility in Central New York. We manufacture our products on-site, using the highest quality, domestically sourced materials, and we proudly make our filter elements in the USA!

In November 2021, we acquired Roome Technologies - a leading HEPA, ULPA, & ASHRAE manufacturer, which increased our core product offerings in various air filtration and air purification sectors, including HEPA, ULPA, ASHRAE, activated carbon, and beyond.

Our knowledgeable staff has decades of manufacturing, engineering, and customer service experience in the filter industry, and we are always available by phone or email to assist with any inquiries. From custom filter element design to cross-referencing existing filters, we're here to help because **Sidco Filter Company is *your* filter manufacturer!**

What We Do

We manufacture OEM and Aftermarket filters for air and gas markets while fostering strong partnerships with our customers, suppliers, and employees to provide the best products and services in the industry.



The Sidco Advantage

We prioritize speedy response times, superior-quality manufacturing, and excellent customer service to reflect our commitment to outstanding service. We quickly handle each quote request and confirm orders within 24 hours, with on-time shipments and an automatic end-of-day shipment acknowledgment and tracking information sent directly to you. We pride ourselves on:



Ability to reverse engineer or assist with design and engineering with your team.



Key supplier relationships to assist with sourcing and pricing of crucial components.



A wide variety of media are available for critical applications.



Testing, prototyping, and samples available.



Competitive pricing.



The timeline of our design process from concept to sample is weeks, not months!



Industries We Serve

Our products serve a broad spectrum of markets, industries, and applications. Including, but not limited to:

Air Intake Filters For:

- Air compressors
- Blowers
- Conveying systems
- Gas compressors
- In-line filters
- Pneumatic conveyors
- Sewage treatment
- Silo conveyors for solids
- Stationary engines

Vent Filters For:

- Coalescing and mist elimination
- Hydraulic reservoirs
- Storage banks for liquids and solids
- Vacuum pump exhaust

Chemical Process Systems For:

- Gas pipeline equipment
- Material handling
- Refineries
- Safety and backup filters

HEPA Filters For:

- Airline and Aerospace
- Air cleaning & purification
- Healthcare
- Industrial vacuums
- Life Sciences
- Medical & dental
- Military
- Transportation
- Welding fumes and smoke collection



HEPA, ULPA, & ASHRAE Filter Applications

- Aircraft Cabin Filtration
- Cabin Filtration for Transportation
- Cleanrooms
- Dental Equipment
- Dust Collection

- Industrial Vacuum Systems
- Medical Equipment
- Negative Air Machines
- Racking Systems
- Room Air Purification Units

- Smoke & Fume Evacuation
- Surgical Smoke Filters
- Welding Fume Evacuators
- Ventilated Caging Systems
- And more!

Filter Manufacturing Capabilities

Discover infinite styles and configurations, specialty media, and countless construction capabilities for your OEM application, industry, or market.

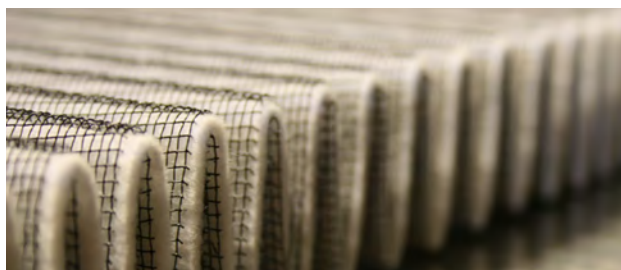


Styles & Configurations

Our most commonly manufactured filter styles are:

- Cylindrical filters
- Conical filters
- Panel filters & box filters

However, our filter style combinations and configurations are almost infinite. We can modify each filter style's height, diameter, media, potting compounds, and overall construction.



Pleating Capabilities

We use top-of-the-line pleating technology to maximize surface area to optimize performance and efficiency ratings. A wide variety of media can be pleated with multi-layered options.

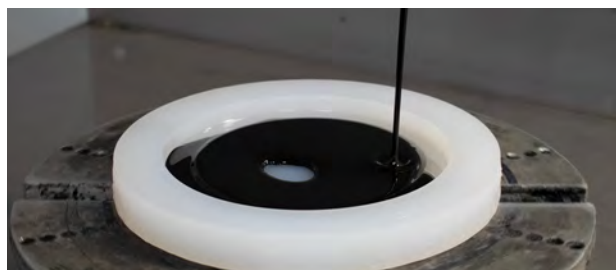
- Pleat depths range from 0.625" to 6.0"
- Pleat widths up to 36.0"
- Mini-pleating
- Multi-layered pleating up to 5-6 layers of material
- Glue beads
- Pleat lock
- **Contract pleating for OEMs is also available!**



Construction Capabilities

We work with each customer to create a design that fits their parameters. Specialty options include:

- 304 stainless steel and 316 stainless steel
- Reinforced support for high-pressure or high-flow applications
- Custom sizes
- Unique designs
- Flanges
- Metal-forming



Molding Capabilities

Our molding capabilities go beyond standard construction to custom applications, configurations, and compounds.

- Custom-designed end seals
- Special seals, risers, flanges, or other variations
- Custom imprinted or stamped molds
- Epoxy, silicone, and urethane
- Inner seal lip - IR seal
- Variety of compounds, including, high-temperature options



Specialty Materials & Media

Media and materials include options rated for high temperatures, high performance, coalescing, and unique environments, ranging from 0.3 μ to 750 μ .

- HEPA, ULPA & ASHRAE
- Metals
- Felts & foams
- Coalescing media
- Papers & non-wovens
- Wovens
- Stainless steel mesh
- Activated carbon

Customers may also provide proprietary materials for contract filter manufacturing projects.

End Caps, Potting, & Gaskets

Various specialty potting materials, molding compounds, and gasket materials are available for standard, high-temperature, or corrosive environments.

- Custom-designed & fabricated end caps, including flanges
- Aluminum, carbon steel, and stainless steel end caps
- Gasket materials in Buna, neoprene, felt, Viton, and more
- Custom-sized gaskets
- Die-cut gaskets
- High-temp compounds and gaskets available

HEPA Filter Manufacturing Capabilities

Sidco has a variety of capabilities to manufacture for OEMs. We use top-of-the-line pleating technology.

- Variety of HEPA, ULPA, and ASHRAE media available
- Spun-bond media, non-woven media, and carbon options
- Pleated with glue beads for even spacing and to maintain structural integrity
- Fully encapsulated media to create a tight seal
- Media ranging from 0.3 μ at 99.97% to 99.99997%
- Pleat depths ranging from 0.625" to 6.0"
- Pleat widths up to 36.0"
- Cylindrical, panel, and box styles
- Chipboard, metal, and plastic frames
- Metal, molded, and injection molded end seals

Filters can be entirely custom-made to your specs!





MOLDED END FILTERS

Molded end and wire mesh filters are cylindrical cartridge filters designed to improve filtration and extend the service intervals of your industrial filter elements by trapping particles without much restriction on the airflow.

Features

- Oil-resistant end seals encapsulate filter media and cores
- Self-sealing; no need for additional gaskets
- Durable, one-component construction
- Can be used with a pre-filter foam wrap
- Some media are washable at the job site

Construction

The open-end polyurethane seals act as a gasket against the seal plates in your filter housing. Cores are constructed of perforated or expanded metal, resulting in high strength and low ΔP . Textile media are supported between layers of epoxy-coated screen to increase strength and durability. Many styles of media are available in various micron ratings.

Applications & Industries Served

Molded end filters are used across industries and in various applications. Some filter large airborne particles, such as lint, clean air and gas streams, regulate air flow, or trap moisture. Molded end filters are typically found in engines, fan and blower inlets, axial compressors, turbines, and as pre-filters in multistage centrifugal compressor inlets.

METAL END FILTERS

Metal end filters are cylindrical cartridge filters intended for use in harsh environments. They are manufactured from heavy-duty materials and can withstand high-temperature environments when made with unique potting compounds. Our metal end filters are available in a variety of configurations:

- *Open/open style*: two open metal end caps
- *Open/closed style*: one open and one closed end cap
- Optional bolt hole on the closed end cap
- Gaskets can be placed on one or both end caps



Construction

Construction consists of an expanded or perforated metal core made from carbon or stainless steel. Self-supporting paper media or pleated textile media with steel media support encircles the inner core. Metal end caps enclose the media and core(s) with a urethane potting compound. Many styles of media are available in various micron ratings.

Applications & Industries Served

Metal end cap filter elements are used in an almost endless amount of applications across various industries. They are primarily found in compressed air/gas streams, air/gas coalescing applications, and vacuum filters. Metal end cap filters effectively remove dust, dirt, and solids from air or gas pipelines by filtering air or gas streams.

PANEL & BOX FILTERS

Industrial panel filters are box shaped filters designed to help to regulate airflow and protect your industrial equipment from harmful particulate matter and corrosion.



Features

- Media sealed on all four sides to prevent bypass
- Effectively remove fine dust particles from 0.3 μ to 25 μ
- Built with full media capacity
- Washable media options available

Construction

Sidco panel filters are built to fit the original equipment manufacturer's specifications, and are designed to exceed OEM and competitor quality. They are made with full media capacity and are available in a wide range of sizes with multiple options for media and face screens.

Applications & Industries Served

Industrial panel filters are primarily used in engines, axial compressors, fan and blower inlets, and gas turbines to regulate air flow to protect equipment. They are also used as a pre-filter in multi-stage centrifugal compressor inlets.



SEWN END FILTERS

Sewn end filters extend the life of vacuums, pneumatic controls, meters, and other pipeline equipment by trapping particulate, absorbing moisture, and preventing contaminants from progressing downstream. Sidco's sewn end filters effectively remove up to 98% of particulate and contaminants from air, gas, and liquids and can withstand corrosive and high-temperature environments.

Features

- Heavy duty construction; carbon or stainless steel
- Flanged ends, support rings, back-washing screen options
- Washable media options available

Construction

Sewn end filters are built using rugged carbon steel or stainless steel and variety of construction options, including back-washing screen, stainless steel, and a variety textile media with efficiency ratings from 1 μ to 300 μ and temperature ratings up to 700°F.

Applications & Industries Served

Industrial sewn end filters are primarily used in the most challenging applications where chemical compatibility and temperature concerns are present, such as; Compressed air and gas streams, air intake filters on blowers, compressors and pumps, inlet vacuum filters, and chemical and reticulated liquid applications including lube oil, plant water, cooling systems, high-temperature applications, and back-washing environments.



HEPA, ULPA, & ASHRAE FILTERS

We offer a range of HEPA materials beginning at 0.3 μ at 99.97% efficiency. Our HEPA media is available in pleat depths ranging from 0.625" to 6.0" and pleat widths up to 36.0". ASHRAE, ULPA, spun-bond, PTFE-coated membrane, various non-woven media, carbon options, and micro glass media are available.

We pleat our HEPA media with **glue beads** to maintain even spacing and provide structural integrity.

Features

- Media can be layered, mini-pleated, and customized
- Effective seal encapsulates filter media and support
- Flame retardant options are available
- Can be used with a pre-filter foam wrap

Construction

HEPA media is self-supporting and can be surrounded by inner and outer cores made from plastic, wire mesh, perforated carbon steel, galvanized expanded steel, or stainless steel options. Some smaller filters use rigid paper or other metal solutions for media support. Molded polyurethane and silicone end seals are available in addition to injection molded and metal end caps for cartridge style HEPA filters.

Panel and box styles are built with full media capacity and are available in a wide range of sizes with multiple options for media and face screens. Aluminum, chipboard, plastic, and injection molded plastic frames can be custom designed for your unique application.



MERV FILTER EFFICIENCY CHART

Group	MERV Rating	Class	Efficiency
F Fine Dust Filters	MERV 14	F-8	0.4 μ at 90%
F Fine Dust Filters	MERV 15	F-9	0.4 μ at 95%
E EPA Filters	MERV 16	E-10	0.3 μ at 98%
E EPA Filters	MERV 17	H-12 HEPA	0.3 μ at 99.97%
H HEPA Filters	MERV 18	H-13 HEPA	0.3 μ at 99.997%
H HEPA Filters	MERV 19	H-14 HEPA	0.3 μ at 99.9997%
U ULPA Filters	MERV 20	U1-5 ULPA	0.12 μ at 99.99997%

Efficiency Ratings for HEPA Filters

MERV stands for **Minimum Efficiency Reporting Value**, a rating system used to measure the effectiveness of air filters.

The MERV rating indicates the filter's ability to capture particles of various sizes, ranging from 0.3 μ to 10 μ . The MERV rating is calculated based on the filter's ability to trap particles, with a higher rating indicating better filtration efficiency. The MERV rating scale ranges from 1 to 20, with higher values indicating better filtration performance.

MIST ELIMINATOR/COALESCING FILTERS

Mist Eliminating and Coalescing filters are cylindrical-shaped cartridge filters designed to improve filtration and extend the service intervals of your industrial filters by using a two-stage process for separating liquid and oil from compressed air streams.

Features

- Provides a clean, impurity-free output
- Available in standard or custom sizes
- Compatible with your original equipment

Construction

Mist Eliminator and Coalescing filters are available in a two-stage fiberglass tube style and pleated to extend coalescing media. Premium grade components and polyurethane molded end seals made of our oil-resistant polyurethane are standard with these products. The efficiency rating and pressure drop vary with each design.

Applications & Industries Served

Mist eliminators and coalescing filters are used in air and gas pipelines and vents. Coalescing filters are also used to separate different density immiscible liquids from each other such as; diesel, jet, turbine fuel, insulating oil, and lube oil.



DUST COLLECTOR FILTERS

Dust collector filters are cylindrical cartridge filters designed to improve working conditions, reduce environmental impact, and offer an effective solution for metal, wood, and other dust particle removal. They can be custom-made to fit any dust collection unit.

Features

- Cellulose, microglass, Nanofiber, fiberglass, and HEPA media options
- Flame retardant media rated for high-temperature environments
- Specialty end caps available
- Silicone, rubber, EPDM, and neoprene foam gasket options available
- Compatible with original equipment

Construction

Standard construction consists of expanded metal inner and outer cores which surround a flame-retardant cellulose filter media. The top metal end cap is closed with a bolt hole, while the bottom end cap is open with a gasket. Dust collection media effectively removes up to 98% of dust particles at 0.3 μ to 750 μ .

Applications & Industries Served

Dust collector filters are often found in dust collection systems in wood shops, paint shops, powder coating facilities, and laser cutting applications. They operate well in environments compromised with an abundance of wood, metal, cement, powders, or other dust particles.



DISC FILTERS

Disc filters are flat, circular filters used for sorting material, cleaning the air, and regulating airflow. Disc filters increase efficiency and prolong the life of your equipment. Disc filters are also called *disk filters*, *flex filters*, or *vacuum receiver screens*.

Features

- Made to custom or OEM specifications
- Custom sizes from 4" to 36"
- Trimlock® channel gasket around the circumference
- Most media options are washable at the job site
- Built with full media capacity

Construction

Disc filters are constructed from stacked layers of circular-cut media, backed with expanded galvanized carbon steel for support, and held together around the circumference with a channel gasket. We offer standard and custom-size disc filters with various media and stainless steel options.

Applications & Industries Served

Industrial disc filters are primarily used in pneumatic conveyors and cabinet filtration. Some applications sort bulk material, while others protect equipment. Disc filters can be found in food and beverage processing plants, chemical and pharmaceutical industries, molding operations, pellet conveyors, wood shops, and more!

CONICAL FILTERS

Conical filters are rugged, cone-shaped, industrial-grade air intake filters. Like our metal end cap filter line; Sidco's conical filters are manufactured from heavy-duty materials and can withstand high-temperature environments when made with unique potting compounds.

Features

- Built to OEM or custom specifications
- Compatible with your original equipment
- Some media options are washable at the job site
- Flame retardant media options



Construction

Standard construction consists of a perforated or expanded core, made of galvanized carbon steel sheet metal. These cores surround either a pleated textile or paper media. The top metal end cap is closed with a bolt hole while the bottom end cap is open with a gasket.

Applications & Industries Served

Air intake housings and silencers for large centrifugal blowers, compressors, and gas fire turbine air intakes use conical filters. We build our conical filters to increase efficiency and prolong the life of your equipment.

Custom Filters & Contract Manufacturing

Custom filter design is a specialized service that Sidco has offered since the founding of our company. We use a collaborative process to create a filter to meet your needs.

Specialty Manufacturing Capabilities and Opportunities

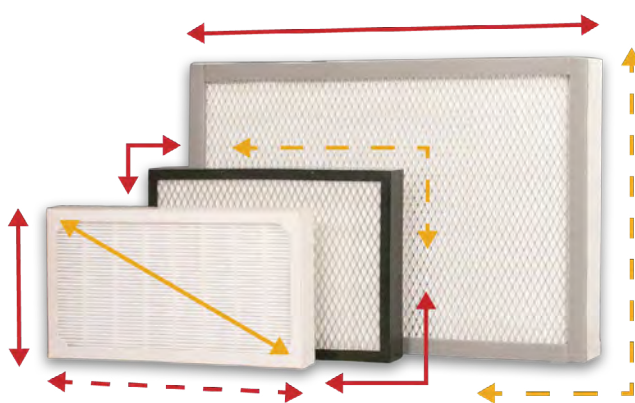
At Sidco, we consult with OEMs on new product development, design custom filters for niche applications, and reverse engineer existing products to optimize performance for your unique application.

The construction of a filter can vary depending on its application requirements. We offer various construction materials and capabilities to accommodate these needs. We work with each customer to create a design that fits their parameters.

Custom Designed Cartridge Filters

To design a custom filter from your specs, please submit *in writing* or using the *Custom Quote Form* on our website, all of the following information:

- ID (inside diameter)
- OD (outer diameter)
- OH (overall height)
- End-cap style
- Filter media
- Inner or outer core material



Custom Designed Panel Filters

To design a custom panel filter from your specs, please submit all of the following information:

- Width
- Height
- Depth
- Face screen material
- Frame material
- Filter media

Can't Find the Filter You Need?

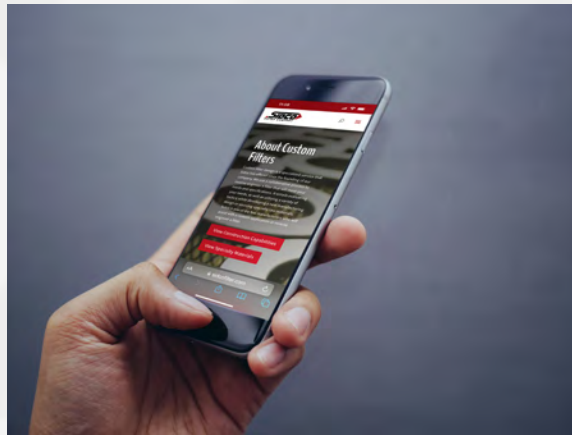
Our team is also happy to evaluate new designs, specifications, or low-volume filter projects. Our niche areas are specialized, low-volume applications and custom modifications to current filters.





Visit Us Online!

Visit us at [SidcoFilter.com](https://www.sidcofilter.com) to submit a quote, find aftermarket filters using our cross-reference database, and learn more about what Sidco can provide for you!



Online Quote Request

Submit your specs and information by email or with our easy-to-quote form at [SidcoFilter.com](https://www.sidcofilter.com)!

We confirm purchase orders within 24 hours. Shipments are on-time with an automatic end-of-day shipment acknowledgment that includes your tracking information.

Find Your Filter

Build a quote from Sidco's cross-reference database of over 10,000 aftermarket OEM parts!

Find your filter by searching for an OEM part number, competitor brand, or filter style.

SIDCOFILTER.COM

To submit an order:

orders@sidcofilter.com

For quotes & sales inquiries:

quote@sidcofilter.com



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