

## Compressed Air and Gas Filtration Products

Finite Filter Operation

aerospace  
climate control  
electromechanical  
**filtration**  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



ENGINEERING YOUR SUCCESS.

# Finite Filter Operation

Clean Compressed Air and Gases for Contaminant-Free Applications

**P**arker Hannifin Corporation, the global leader in motion and control technology, delivers an unmatched breadth of engineered products and solutions. Parker’s Finite Filter Operation, a unit of the Parker Filtration and Separation Division, delivers a complete line of compressed air and gas filter

solutions vital to precise, efficient motion and control.

Finite Filter Company was established in 1971 to produce and market a unique filter design that set the standard for coalescing filters. In 1986, Finite was acquired by Parker Hannifin Corporation and, since 2000, has been an

integral unit of the Filtration and Separation Division.

Finite filters and accessories provide plant-wide cost-saving solutions for industrial, alternative fuel, food and beverage, and life science applications. They are stocked and distributed by compressor, fluid power, filter, and instrumentation specialists.

## Parker’s Motion and Control Technologies:

Aerospace	Hydraulics
Climate Control	Pneumatics
Electromechanical	Process Control
<b>Filtration</b>	Sealing & Shielding
Fluid & Gas Handling	

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## Finite Filters and Accessories:

- Compressed Air/Gas Filters
- Par-Fit™ Conversion Elements
- Instrumentation and Gas Sampling Filters
- CNG/Alternative Fuel Filters
- Air Preparation Units (FRLs)
- Steam and Vacuum Exhaust Filters
- Air Dryers
- Drains, Gauges, and other Accessories

# What Separates Finite Filter From Other Filter Companies?



More than 75% of our standard items are made to order and ready for shipment within three days of order confirmation.

## Superior Design and Construction

Our UNI-CAST glass microfiber filters, formed with a proprietary vacuum process, combine surface (edge) filtration with enhanced depth filtration. UNI-CAST pore construction traps larger pore-clogging particles on the surface while allowing access to the element's internal fiber matrix for coalescing and submicron particulate removal. The result is lower pressure drop and less frequent change-outs, saving you time and money.

## Exceptional Lead Times

Our LEAN manufacturing capability assures that you will have the right filtration product at the right time. More than 75% of our standard items are made to order and ready for shipment within three days of order confirmation. This enables us to meet 98% of customers' request dates.

## Outstanding Technical Assistance

We are committed to providing unmatched technical support to all our customers. Our degreed application engineers provide immediate response to technical questions and requests for specifications and quotes whenever possible. If they are busy serving other customers when you call, they make every effort to return your call within the hour.



# Superior, Consistent Performance

Superior, consistent performance is as vital to your operation as it is to ours. Certified to ISO 9001:2000, our quality management systems provide products that meet your filtration requirements and exceed your performance expectations. Combined with our superior filter designs, Finite filters produce lower differential pressures and higher dirt-holding capacity. Offered in a variety of efficiencies, the media you select will fit your filtration needs.



## Multiple Ordering Options

Not only are we easy to reach when you have a question, but Finite filters are easy to order, using the best method to match your purchasing policy and expedite your order.

Options include PHconnect, EDI, e-mail, phone, and fax. PHconnect

is Parker's preferred web-based ordering, inquiry, and tracking system. This allows you to view the status of all open and shipped orders, the status of all open invoices, tracking numbers for orders shipped via UPS and catalog searches for part numbers, pricing and lead times.



# OEM Capabilities

When you need a special filter for a unique application, Finite filter experts are ready to work with you. We'll tailor a configuration to meet your special need from the wide variety of filter media available. And, with LEAN manufacturing, we can produce specials in reasonable quantities, in a reasonable amount of time, at a reasonable price. Not only will this enhance the performance of your product, but it will benefit you with aftermarket sales of replacement elements.

## Value-Added Services

In addition to our broad selection of quality filters, we offer value-added services including:

- Custom Branding
- Kitting
- Local Parker Stores
- Compressed Air Analysis
- In-house Training
- Scheduled Internet Training
- Competitor Interchange Elements



# Industrial Filtration Products

Don't start the shift without us

## Par-Fit™ Conversion Elements (Bulletin 1300-500-1/USA)

- Coalescing, particulate and adsorption elements
- Offer UNI-CAST Finite advantage
- Over 2500 interchanges available



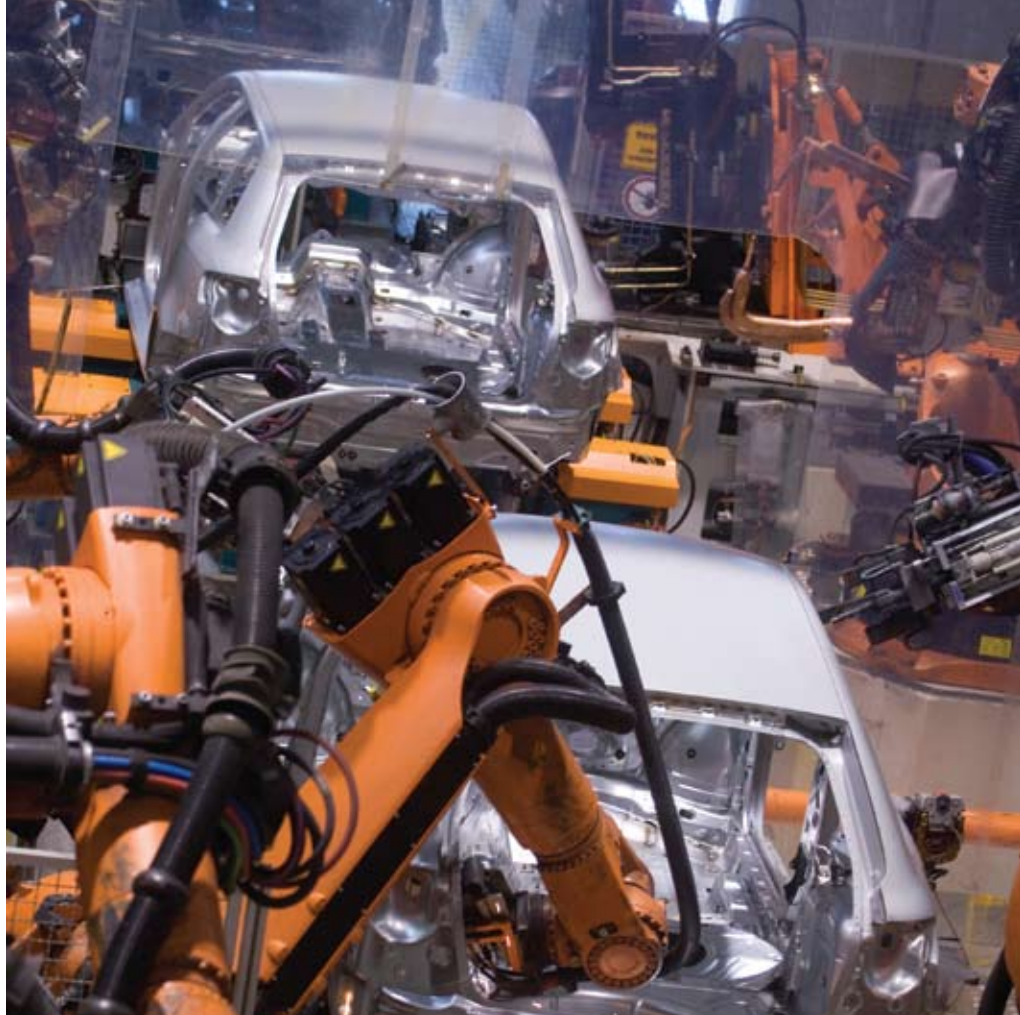
## Water Separators (Bulletin 1300-925/USA)

- Remove bulk water from your application
- Connections from 1/4" to 3" NPT
- Pressures to 230 PSIG



## Filters-Regulators-Lubricators (Bulletin 1300-703-08/USA)

- Two- and three-unit combos
- Metal and polycarbonate bowls available
- Pressures to 250 PSIG
- Connections from 1/8" to 1 1/2" NPT



## Applications

- Spray Painting
- Powder Coating
- Blow Molding
- Printing
- Packaging
- Pneumatic Conveying
- Air Gauging
- Air Bearings

## ASME Coded Vessels (Bulletin 1300-400/USA)

- Coalescing, particulate and adsorption
- Pressures to 185 PSIG
- Connections from 3" NPT to 16" flange
- Flows up to 37,000 SCFM
- Custom designs available



Whether you depend on it to clean, clamp, coat, convey, cool or control, compressed air is just as important in the industrial environment as gas, water and electricity. Finite coalescing, particulate and adsorption filters, dryers, Filter-Regulator-Lubricator combination units, and compressed air accessories assure that clean compressed air is available for all your industrial applications.

## International H-Series

(Bulletin 1300-993C/USA)

Finite's H-Series compressed air filters are the most widely used filter. Our standard grade 6 element captures 99.97% of particulate, oil, and water contamination.

- Coalescing, particulate, and adsorption elements
- Pressures to 500 PSIG
- Connections from 1/4" to 3" NPT, BSPF & BSPT
- Flows from 10 to 1600 SCFM



## Dual-Stage BA-Series

(Bulletin 1300-905/USA)

- Coalescer/adsorber combination unit
- Pressures to 500 PSIG
- Connections from 1/4" to 1" NPT
- Flows up to 75 SCFM



## FDD Desiccant Dryers

(Bulletin 1300-850/USA)

- For point-of-use and OEM applications
- Pressure dewpoints down to -40° F
- Connections from 1/4" to 1" NPT
- Ideal for intermittent flows



## Membrane Dryers

(Bulletin 1300-800/USA)

- Compressed air hollow fiber membrane dryers
- Pressure dewpoints down to -40° F
- Connections from 1/4" to 1/2" NPT
- Flows up to 40 SCFM



## Accessories

(Bulletin 1300-150/USA)

- Differential pressure gauges
- Float, solenoid, and zero-air-loss drains
- Mounting brackets and adapter kits



# Alternative Fuel & High Pressure Filtration Products

Performance under pressure



From the gas well to the dispenser, Parker offers a full line of compressed natural gas filters.



## High Pressure Stainless Steel Filters, SJ-Series (Bulletin 1300-997/USA)

- Compatible with high pressure specialty gases
- Pressures to 6000 PSIG
- Stainless steel
- Variety of filter elements available



## High Pressure Filters, J-Series (Bulletin 1300-997/USA)

- CNG, alternative fuel and breathing air filters
- Pressures to 5000 PSIG
- Ductile iron and nodular cast iron
- Coalescing, particulate and adsorption filter elements available



## Medium Pressure Filters, M-Series (Bulletin 1300-997/USA)

- Pressures to 800 PSIG
- Connections from 1/2" to 2" NPT, BSPT & BSPF
- Use with specialty gases
- Variety of filter elements available

High pressures encountered in CNG (Compressed Natural Gas) and other alternative fuel systems add another dimension to filter performance and magnify the problems of preventing contamination. Excessive amounts of liquid aerosols and solid particulate contamination lead to poor component performance, wear and unscheduled maintenance. Finite offers a variety of high-pressure compressed air and gas filters for every stage of compression.



## Applications

- CNG Refueling Stations
- CNG On-board Vehicle Systems
- Hydrogen Refueling Stations
- Hydrogen On-board Vehicle Systems
- Natural Gas Processing
- Landfill Methane Filtration
- Off-shore Oil Drilling
- Process/Chemical Plants
- High Pressure (SCUBA) Breathing Air
- Hydraulic Test Systems
- Plastic Bottle Blow Molding



**ASME Coded Vessels**  
(Bulletin 1300-400/USA)

- Coalescing, particulate and adsorption
- Pressures to 185 PSIG
- Connections from 3" NPT to 16" flange
- Flows up to 37,000 SCFM



**High Pressure Drains**  
(Bulletin 1300-997/USA)

- Safely drain condensate under pressure
- Pressures to 6000 PSIG
- Directly connect to J-Series and SJ-Series
- Horizontal or vertical mounting

# Specialty Filters

Protect your products and your working environment



## Stainless Steel Filters (Bulletin 1300-625/USA)

- Used in the most demanding environments
- Pressures to 250 PSIG
- Connections from 3/4" to 1" NPT
- Flows up to 170 SCFM



## Vacuum Exhaust Filters (Bulletin 1300-310/USA)

- Eliminate 99.9% of oil mist and smoke from vacuum pump exhaust
- Easily adapts to most vacuum pumps
- Flows up to 200 SCFM



## Stainless Steel FRL (Bulletin 1300-703-08/USA)

- 316 Stainless steel housings
- Pressures to 300 PSIG
- Connections from 1/4" to 1/2" NPT
- Ideal for corrosive environments



## Steam Filter (Bulletin 1300-250/USA)

- Produce high quality steam
- Pressures to 125 PSIG
- Connection: 1" NPT
- Flows up to 400lbs/hr



Finite steam filters eliminate overall contamination, taste differences and odors in food products and facilitate sterilization in hospitals and pharmaceutical processing facilities. Finite's Micro-Series filters provide absolute rated membrane filtration for contaminants as small as 0.01µm to assure contamination-free processing in semiconductor, pharmaceutical, food and beverage applications.



## Applications

- Food, Beverage Sanitization and Cooking
- Dairy and Meat Packing Sanitation
- Air Conveying of Dry Food Products
- Compressed Air Bakery Mixing
- Pharmaceutical Manufacturing
- Hospital Sterilization
- Respirator Air Purification
- Laboratory Gas Sampling
- Industrial Breathing Air



Parker offers kitting for system applications. This assembly is used to provide breathable air for five people.



### Instrumentation & Gas Sampling Filters (Bulletin 1300-694/USA)

- Stainless steel, aluminum & plastic housings
- Clear bowls available
- Connections from 1/8" to 2" NPT
- Pressures to 5000 PSIG



### Gas Sampling Filters (Bulletin 1300-997/USA)

- Gas analyzer protection
- Pressures to 6000 PSIG
- Stainless steel and aluminum housings
- Variety of filter elements available



### Specialty Filter Elements (Bulletin 1300-500-1/USA)

- Coalescing, particulate and adsorption filter media
- Filter media ranging from stainless steel mesh to PTFE membrane
- Compatible with a variety of gases, including refrigerant

## North America

### Engine Filtration

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Parker Hannifin Corporation  
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### Hydraulic Filtration

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### Process Filtration

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