


North American Filter Corporation

NAFCO ®



Air & Gas Pressure Filters
Compressor Air Intake Filters
Vacuum Filters
Coalescers
Liquid Filters



Filtration

by

NORTH AMERICAN FILTER CORPORATION

Contamination has met its match.

Damaging particles downstream can mean downtime. So we engineered ways to stop contamination cold.

North American Filter Corporation is proud to present the patented Real Filter® cartridge. And the complete NAFCO family of Filtration Systems. A new generation of filters that reflect a new way of thinking about filtration.

First, there's the seal. Since the gasket design used by competitors leaves room for contaminant bypass, we searched for a better solution. We found it.

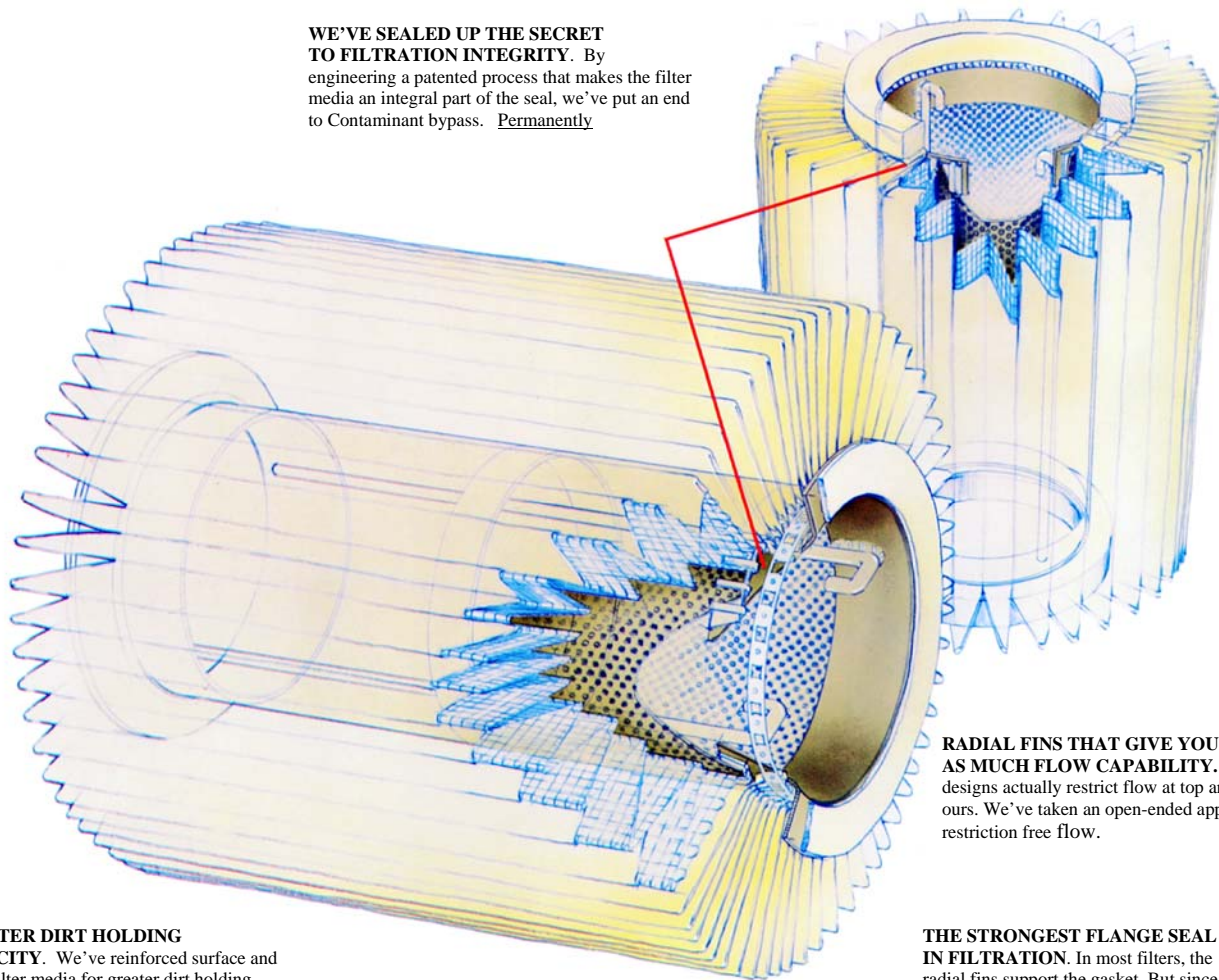
In our patented design, the Real Filter® cartridge unifies the seal with the filter core.

There's more. A better fin design that's obstruction free, so it won't restrict flow. In fact, you'll get **up to 50% greater flow capability because of a better utilization of filtration area.** And a rugged flange-end design that eliminates fin deformation and fatigue caused by the pressures of installation and operation.

We can meet any filtration need with a complete filter system built around our Real Filter® and Sure Seal® filter cartridges.

So read on to learn more about what North American Filter Corporation can do for you. **Start installing the filters that will let you put a stop to contamination. Before contamination puts a stop to your system.**

WE'VE SEALED UP THE SECRET TO FILTRATION INTEGRITY. By engineering a patented process that makes the filter media an integral part of the seal, we've put an end to Contaminant bypass. Permanently



RADIAL FINS THAT GIVE YOU HALF AGAIN AS MUCH FLOW CAPABILITY. Competitive designs actually restrict flow at top and bottom. Not ours. We've taken an open-ended approach for restriction free flow.

THE STRONGEST FLANGE SEAL IN FILTRATION. In most filters, the radial fins support the gasket. But since fins filter better than they support, they distort. NAFCO fins are free to filter. Our rugged, incredibly strong flange-end design takes the weight off by supporting the gasket

GREATER DIRT HOLDING CAPACITY. We've reinforced surface and depth filter media for greater dirt holding capacity and longer life. Cartridge is field cleanable or disposable

It's time to clear the air about filtration integrity.

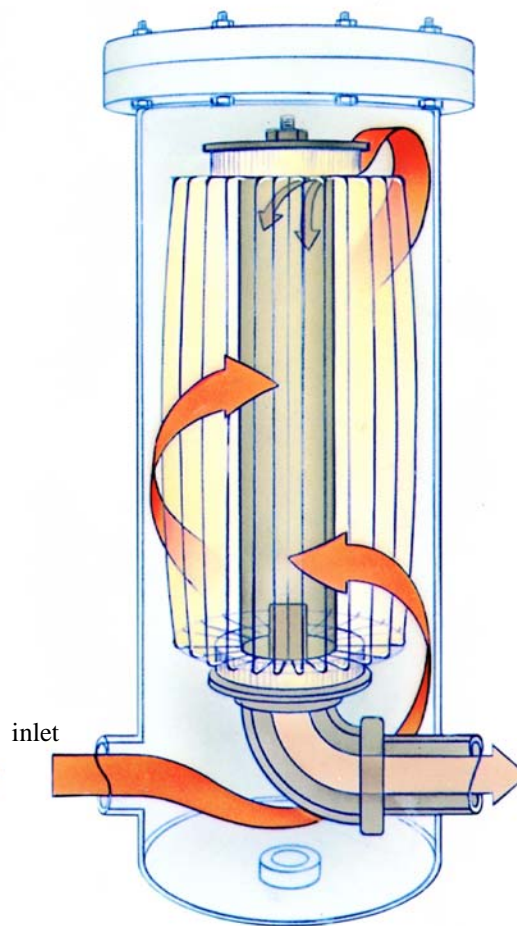
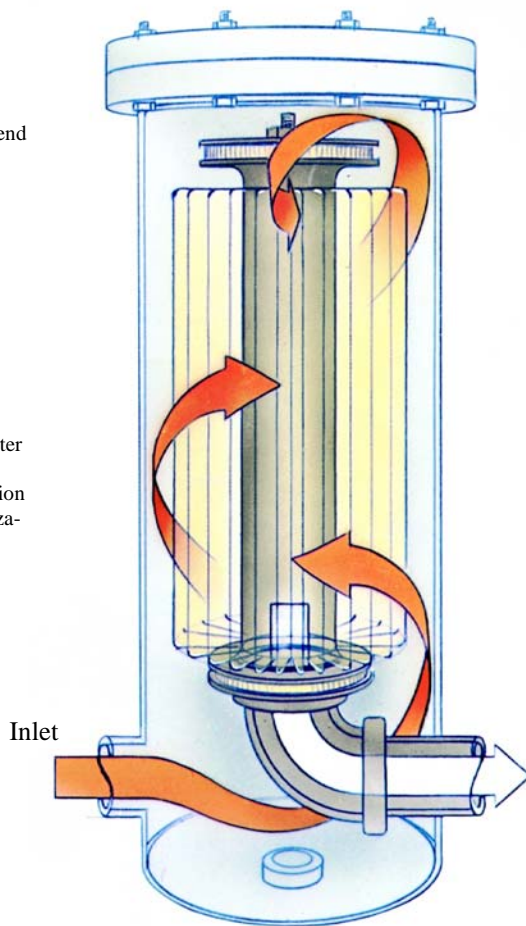
You may think you have filtration integrity – but do you? By merely making do with conventional filters, you might be doing serious damage to your system. At the very least, you're losing time and money through inefficient operation, shortened life span and excessive maintenance.

North American Filter Corporation was founded on the belief that things could be done better. With the application of new materials, design innovations, and sophisticated engineering and manufacturing skills.

The result has been the superior NAFCO Real Filter® and Sure Seal® Cartridges. Superior in performance, ease of maintenance and savings. **And, most importantly, a NAFCO filter system comes with an exclusive lifetime filter cartridge agreement.**

NAFCO FILTER

CONVENTIONAL FILTER



- Rugged flange end supports the gasket seal, not the fins. No fin deformation or fatigue. **An absolute seal**

- Up to 50% greater flow capability. Fins are restriction free. 100% utilization of the filter area.

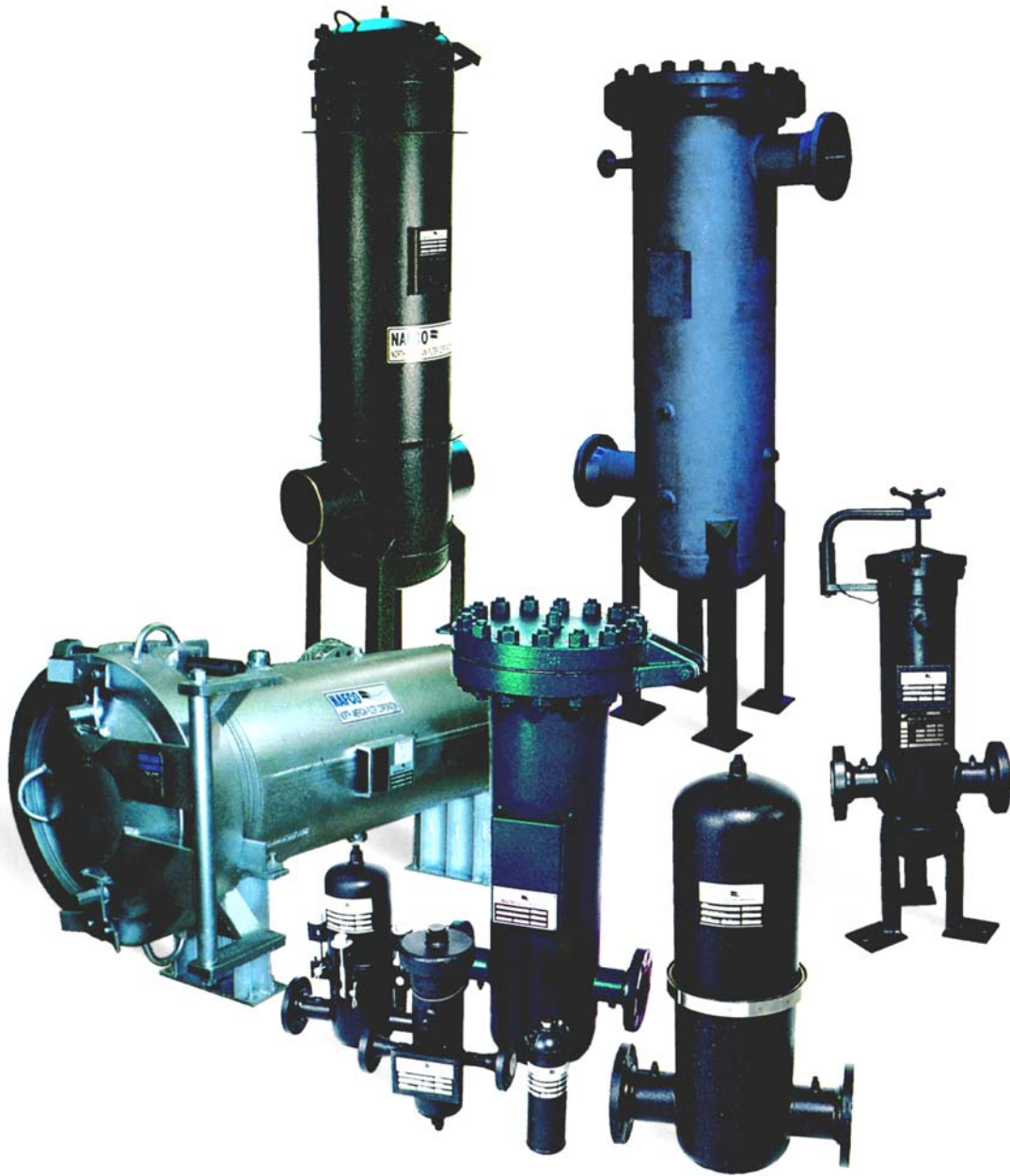
- The patented NAFCO REAL FILTER® and SURE SEAL® **No contaminant bypass**

- The fin/seal design restricts flow. **Result: High pressure drop and short life.**

- Fins support the gasket. Pressure forces the gasket down on the fins, deforming and fatiguing them. **Potential seal rupture and bypass. Result: Catastrophic failure.**

- Inadequate gasket and media seals will **allow bypass and system damage.**

No other filter
performs this well under pressure.



Because no other filter has the REAL FILTER[®] cartridge

You can depend on a system from North American Filter Corporation to come through, no matter what type of pressure you put it under.

Whether it's full vacuum or 10,000 psi, one cubic foot per hour or 300 million cubic feet per day, at temperatures up to 700° Fahrenheit, we'll deliver. But there's more to the North American Filter Corporation story.

It begins, of course, with our patented REAL FILTER[®] cartridge. It's at the heart of what makes the NAFCO filter a better filter. We match specific cartridges to your particular application.

Whether you need a coalescer to remove oil and water from natural gas or compressed air, or a filter to remove particulate from a gas stream, NAFCO cartridges simply work more effectively. Efficiently. Economically.

We have the design and engineering ingenuity to meet virtually any filtration need. We've designed and fabricated simplex housings and duplex systems out of carbon steel, stainless steel and other high alloy materials to ASME standards. **We've installed systems into pipelines as large as 48" in diameter.**

We're knowledgeable in a wide variety of pressure filter applications, including;

- **Natural gas**
- **Process gas (N₂, O₂, He, Ar)**
- **Digester gas systems**
- **Air dryer systems**
- **Gas separation systems**

What's more, the patented design of NAFCO filters and systems means you get easier, more economical installation and maintenance. Longer life. And-finally-Filtration Integrity.

PRODUCT LINE

Product Series	Purpose/Objective	Applications	Flow Capacity	Pressure	Connection Size	Filtration
4000	Solid Particle Removal From Air/Gas Stream (Med-Light Loading)	Compressed Air/Gas Lines Instrument Air Natural Gas Pipe Lines Process Gas Streams	Up to 300 MMSCFD	Up To 1440 psig	Up To 48"	98% 1-40 Micron Radial Fin Cartridge
4700	Solid particle Removal From Vacuum Lines (Med-Light Loading)	Vacuum Pump Filter Vacuum Casting/Molding Packaging Laboratories	Up to 15,000 CFM	Full Vacuum To 15 psig	Up to 24"	98% 1-40 Micron Radial Fin Cartridge
5000	Coalescing Liquid, Aerosols And Particulate Removal From Compressed Air/Gas Lines	Compressed Air/Gas Lines Instrument Air Dryer Prefilters Process Gas Natural Gas	Up To 107,000 SCFM	Up To 720 psig	Up To 12"	99.9% 0.3 Microns (Aerosols) 2-Stage Coalescing Tube

Get absolute protection with NAFCO Air Intake Filter Systems

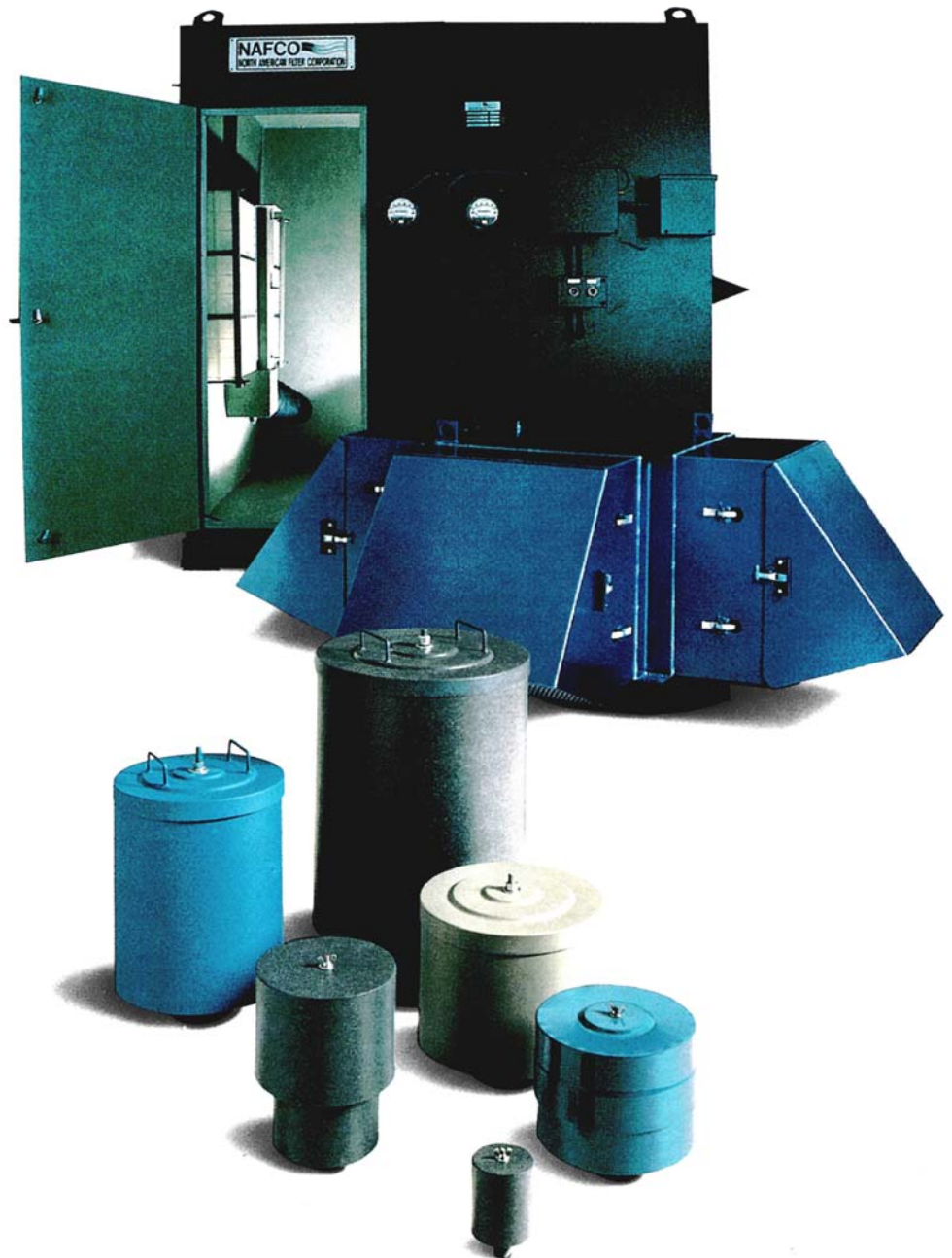
When you think of it, there's only one thing standing between your system and damaging air-stream dust: your air inlet filter. So don't settle for anything less than the safest solution in filtration: a North American Filter Corporation Air Intake Filter System.

Our air intake filters can handle air flows up to 100,000 SCFM, with efficiencies from 0.3 micron absolute to 40 microns. The right filter protection for any compressor, engine, turbine or blower.

You benefit from an exceptionally low-pressure drop, long service life, convenient maintenance and, most importantly, absolute protection for your equipment and downstream processes.

We build our NAFCO filter housings of rugged welded steel, designed for long term life for indoor and outdoor uses. They can be mounted directly on your equipment, or remotely mounted on inlet piping. **Connection sizes range from 1/2" to 60".**

So make sure you've got a NAFCO system cleaning your air stream. You'll breath a little easier knowing your equipment is protected by the best filtration system around.



You should know... what your air stream is going through .

Panel Filters.

Certified performance...
Dove-Tail gaskets...media
encapsulated in sealant for
bypass protection...greater
filtering area for longer life,
lower pressure drop.



Inertial Spin Filter.

Self-cleaning...constant
pressure drop prefilter...
corrosion-resistant, poly-
propylene construction.

Molder End Filter Cartridge.

Double "O" ring type end
seals...surface and depth
filter media for longer
life...field cleanable.

SELECTION CHART

General Application	Air Intake Filter Series							
	1100	1200	1300	1500	2100	2200	2300	3000
Centrifugal-Compressor				X		X	X	X
Reciprocating-Compressor	X	X	X					
Screw-Compressor	X	X	X		X			X
Blower	X	X	X		X			X
Engine Turbocharged					X	X		X
Engine Aspirated	X	X		X				
Gas Turbine					X	X	X	X

Here's the solution
to a better liquid filtration



Put NAFCO[®] Liquid Filters to work for you.

Whether your needs range from a few gallons per hour to 10,000 gallons per minute, from cryogenic temperatures to elevated temperatures at a wide range of pressures, North American Filter Corporation can boost your efficiency

Our solutions range from **single and dual standard filters to complete custom-designed systems with connections up to 24" in diameter.** We fabricate our systems in carbon steel, stainless steel, and other exotic alloys for highly corrosive fluids to ASME standards.

We offer fabric, paper, ceramic, sintered metal, fiberglass and other filtration media in a wide range of sizes, configurations and removal efficiencies down to submicron. You have a choice of disposable, field cleanable or permanent filter cartridges.

No matter what cartridge is recommended, you benefit from easier, more economical installation and maintenance, longer life and greater energy savings. That's why so many companies, in so many industries, are putting our liquid filters to work for them

We're versatile enough to design filters for a wide range of industries and applications, including:

- Chemicals
- Water
- Lube oil
- Fuels
- Feed stocks
- Solvents

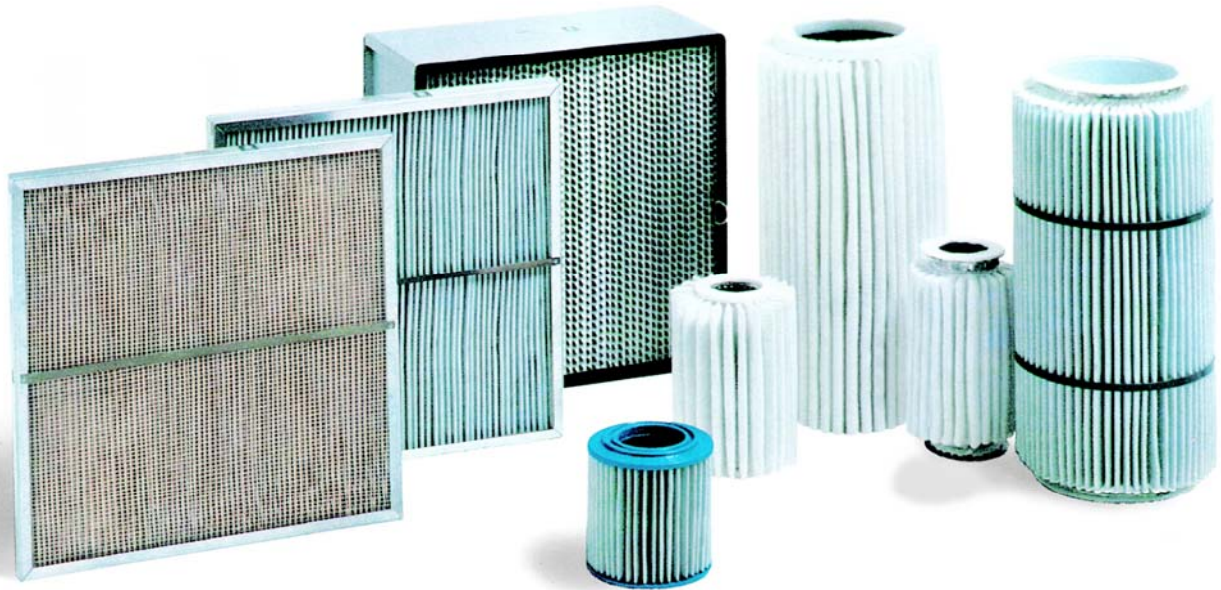
So call your North American Filter Corporation representative. Start doing business with a company that's immersed in the business of better liquid filtration

PRODUCT LINE

Product series	Purpose/ Objective	Applications	Flow Capacity	Pressure	Connection Size	Filtration
8000	Solid Particle Removal From Liquid Streams (Light Loading)	<ul style="list-style-type: none"> • Chemical • Petrochemical • Water • Feed Stocks • Lube Oil • Fuel • Coolants 	Up to 3500 GPM	Up To 1440 psig	Up to 12"	98% 1-90 Micron
<p>8000 Series Features NAFCO's Cleanable and Recoverable Radial Fin REAL FILTER[®] or SURE SEAL[®] Patented Cartridges.</p>						
9000	Solid particle Removal From Liquid Streams (Light Loading)	<ul style="list-style-type: none"> • Chemical • Petrochemical • Water • Feed Stocks • Lube Oil • Fuel • Coolants 	Up To 1500 GPM	Up To 1400 psig	Up to 10"	98% 0.2-300 Micron
<p>9000 Series Features Multiple Cartridges, Disposable or Cleanable Type. Pleated Paper, Membrane, Sintered Metal, Molded Fiber, String Wound.</p>						

Real Filter and Sure Seal are patented:
USA RE-32851; CANADA 1272,967; EUROPE 0181716

Upgrade your system with NAFCO[®] Replacement Filters.



North American Filter Corporation makes upgrading your entire system as easy as installing a new cartridge or panel. We're confident that one of our replacement cartridges will increase your system's performance.

- NAFCO patented radial fin cartridges have up to 50% greater flow capacity, greater dirt holding capability and extended cartridge life.
- The NAFCO absolute seal-designed into our double-"O" ring type, molded end cartridges; delivers the highest level of filtration integrity.
- NAFCO panel filters deliver state-of-the-art multi-layer micro-fiber media so you benefit from lower pressure drop, longer life and lower maintenance cost.

**So don't just replace cartridges-
upgrade the system itself. Install
NAFCO replacement filter,
Cartridges and panels.**

Why make do when you can do better?

SURE SEAL[®] CARTRIDGE



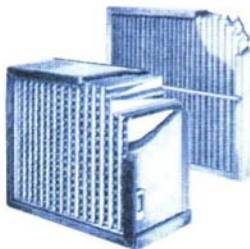
- Patented Absolute Seal
- Restriction Free Fin Design
- Superior Filter Media
- Heavy Duty Construction
- No By-Pass Guarantee
- Longer Service Life
- Filtration Integrity
- Cleanable/Recoverable

Molded End Cartridge



- Double "O" Ring Type Seal
- Media Laminated with Mesh
- Heavy Duty Construction
- No By-Pass Guarantee
- Longer Service Life
- Durable and Cleanable
- Reliable Performance

Panels



- Media Encapsulated in Sealant
- HEPA Rated Gaskets
- Greater Filtering Area
- Corner Glides
- No By-Pass Guarantee
- Absolute Seal
- Longer Life
- Easy Maintenance

If you need a filter to make it, we make a filter for it.

North American Filter Corporation is cleaning up process systems all over the world. People depend on our air, gas and liquid filtration systems to protect equipment and processes in a long list of industries.

- **Chemical Processing**
- **Petrochemical**
- **Power Generation**
- **Automotive**
- **Glass**
- **Food and Beverage**
- **General Manufacturing**

In fact, we can improve your filtration effectiveness no matter *what* you have to filter, or how you have to filter it.

If your needs cannot be met by one of our standard filters or systems, that's not a problem. We have the experience and the expertise to meet the applications that demand special materials, unique designs and innovative, intelligent solutions.

You have discovered what makes NAFCO filters better filters. More reliable. More economical. Longer lasting. In sum, a new generation of filtration systems.

**Putting contamination in its place.
Pure and simple.**



- Air & Gas Pressure Filters
- Air Intake Filters
- Pressure Vessels
- Panel Filters

- Quality Replacement Lube/Oil Filters
- EDM Filters
- Hydraulic Filters
- Synthetic Lube/Oil Filters
- Fuel Filters
- Coalescers

- Absolute Rated Filters
- Nominal Rated Filters
- Prefilters
- Final Filters

North American Filter Corporation can custom design a filter solution for you specific application. Please call 800-265-8943 and ask to speak to an Application Engineer.

North American Filter Corporation reserves the right to change design and/or specification without notice

North American Filter Corporation

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