

NORMAN FILTER COMPANY

PRODUCT OVERVIEW



LEADING THE WAY IN QUALITY FILTRATION

PHONE: 708-233-5521 • FAX: 708-430-5961 • WWW.NORMANFILTERS.COM



FILTER ELEMENT INTERCHANGE



FEATURES

Norman elements meet, and in most cases, exceed the original manufacturers efficiency and dirt holding capacity.

Norman offers Beta 75, 200 or 1000 high capacity microglass elements (all utilize epoxy). Norman also offers top of the line resin impregnated cellulose elements.

Norman supports its interchange offerings with more than \$1,000,000.00 of inventory for immediate and timely delivery.

No one can beat our combination of performance, price and delivery.

We can also supply a wide array of air filters and HVAC filters upon request.

Call, fax, or email OEM part number(s) you would like interchanged.

High Pressure Tee-Type Filter 4500, 14500, 34500, and 54500 Series



FEATURES

- Housing Materials: Anodized aluminum, 303, 316, and 17-4 stainless steel.
- Flow rates: 0-50 gpm (100 SSU oil) 4,000 SCFM at 3,000 psi (GN2)
- Pressures: 5,000, 6,000, 10,000, 15,000 and 20,000 psi maximum operating.
- Temperatures: -425° to 600°F
- Port Sizes: 1/4" to 1 1/2" NPT 1/2" to 1 1/2" SAE and medium pressure.
- Bypass setting: 0 and 50 psi standard. Optional settings available.
- Element cleanliness indicators: Visual, electrical and gauge ports.
- Easy to changeout cartridge elements.
- Bowl drains.

ELEMENTS

- Multiple length elements.
- Microglass – Beta 200 in 1, 3, 5, 10 and 25 micron absolute.
- 304 Stainless Steel Woven Wire 9 micron ratings from 2 to 200 micron.
- 316 Stainless Steel Sintered .5, 1, 3 and 7 micron absolute.
- Cellulose 3, 10, 25 micron.

The 34500 series housings are used in pressure applications up to 15,000 psi. Install a 4500 series filter downstream from the system pump to protect critical components from system contaminants or contaminants released from an operating or failing pump.

Request catalog E for data

High Pressure Mini Tee-Type Filter 4100 Series



FEATURES

- Housing Material: 316 Stainless steel.
- 2.40" to 3.0" wide 3.0" to 4.38" length
- Flow Rate: 0-2.5 gpm (100 SSU oil) 175 SCFM (@6,000 psi GN2).
- Pressures: 15,000 psi maximum operating.
- Temperatures: -400 to 600 degrees.
- Port Sizes: 1/8", 1/4", 3/8", and 1/2" Compression, NPT and MS33649
- Easy to changeout cartridges.
- Bowl drains.

ELEMENTS

- Glass Fiber-Beta 200 in 3, 5, and 10 micron absolute.
- 304 Stainless Steel Woven Wire 10, 18, 25, 75, 150 and 300 micron absolute.
- 316 Stainless Steel Sintered .5 1, 3, and 7 micron absolute.

The 4100 series Mini Tee-Type filter is designed for easy filter change-out and maximum dirt holding capacity. Our cleanable 304 stainless steel woven wire elements reduce filter replacement cost. The 4100 series provides reliable and economical protection for critical testing equipment, valves, gauges, and instruments.

Request form 4100

High Pressure Straight In-Line Filter 4300 and 4400 Series



FEATURES

- Housing Materials: Anodized aluminum, 303, 316 and 17-4 stainless steel.
- Flow rates: 0-40 gpm (100 SSU oil) 1,750 SCFM @ 3,000 psig (GN2)
- Pressures: 3,000; 6,000 and 10,000 psi maximum operating.
- Temperatures: -320° to 600°F
- Port Sizes: 1/8" to 3/4" NPT male or female. 1/4" to 1" SAE, 37° flare and medium pressure ports.
- Bypass setting: not available
- Element cleanliness indicators: not available.

ELEMENTS

- Stainless Steel microweave mesh 9 micron ratings from 2 to 200 micron.
- Stainless Steel Sintered .5, 1, 3 and 7 micron absolute.
- All stainless steel elements are recleanable.
- Microglass – Beta 200 in 1, 3, 5, 10 or 25 micron absolute.

These compact lightweight filters take up no more room than the piping itself. Excellent cool-down characteristics make it ideal for cryogenic applications. Stainless steel models have excellent fluid and gas compatibility, while anodized aluminum models with disposable microglass elements provide positive economical filtration.

Request catalog D for data



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High Pressure Mini In-Line Filter 4200 Series



FEATURES

- Housing Materials: 304 stainless steel.
- Flow rates: 0-5 gpm (100 SSU oil) 50 SCFM @ 3,000 psig (GN2)
- Pressures: 3,000 and 6,000 psi maximum operating.
- Temperatures: -320° to 600°F
- Port Sizes: 1/8" to 1/2" NPT male or female. 1/4" to 3/4" SAE, 37° flare, compression or face seals.
- Bypass setting: not available
- Element cleanliness indicators: not available.

ELEMENTS

Filtration area: 3.3 to 6.6 in². No media migration due to the use of 304 stainless steel microweave wire mesh.

- Stainless Steel microweave mesh 9 micron ratings from 2 to 200 micron.
- Stainless Steel Sintered .5, 1, 3 and 7 micron absolute.
- All stainless steel elements are recleanable.

The 4200 series is a compact, lightweight in-line filter that provides reliable and economical protection for critical testing equipment, valves, gauges and instrumentation.

Request catalog C for data

High Pressure Disc Filter F4173 Series



FEATURES

- Disc Material: 304 Stainless Steel
- Flow rates: application specific
- Pressures: 50 PSID collapse rating
- Temperatures: -320° to 600°F
- Disc Diameter Sizes:
Pleated disc 1/8" to 3"
Flat disc 1/8" to 6"
- Bypass setting: not available.
- Element cleanliness indicators: not available.

ELEMENTS

- Stainless steel microweave mesh 9 micron ratings from 2 to 200 micron.
- Stainless steel sintered media .5, 1, 3 and 7 micron absolute.

The Norman F4173 Series filter disc is designed for instrumentation, fuel and air injection, electrical cooling systems, test stands and valve protection. The pleated element design provides maximum surface area which increases the filters dirt holding capacity and life in the system. All Norman discs can be manufactured with seal rings around the outer diameter.

Request catalog B for data

Medium Pressure Tee-Type Filter 3000 Series



FEATURES

- Housing Material: Anodized aluminum.
- Flow: 0-150 gpm (100 SSU oil)
- Pressure: 800 psi maximum operating
- Temperatures: -65° to 250°F
- Port Sizes: 3/4" to 2" NPT or SAE
- Bypass settings: 25 and 50 psi.
- Element cleanliness indicators: Visual and electrical.
- Easy to changeout cartridge elements.
- Bowl drains.

ELEMENTS

- Multiple length elements.
- Microglass – Beta 75 in 2, 5, 10 and 20 micron.
- Cellulose 3 and 10 micron
- Water absorbing 15 micron

The 3000 series filter is used after the pump and/or as a return filter in moderate pressure lube oil systems. This series is also ideal in hydraulic systems with return pressures exceeding 250 psi.

Request Form 3000

Medium Pressure Duplex Filters 3100 Series



FEATURES

- Housing Material: Anodized aluminum.
- Valve Material: Cast aluminum.
- Flow: 0-150 gpm.
- Pressure: 800 psi maximum operating
- Temperatures: -65° to 250°F
- Port Size: Flange face SAE-24.
- Bypass settings: 25 and 50 psi.
- Element cleanliness indicators: Visual and electrical.
- Easy to changeout cartridge elements.
- Bowl drains.

ELEMENTS

- Multiple length elements
- Microglass – Beta 75 in 2, 5, 10, and 20 micron
- Cellulose 3 and 10 micron
- Water absorbing 15 micron

The 3100 series duplex filter is designed for filter change-out without system down time. Applications include moderate pressure lube oil systems and hydraulic return lines.

Request catalog 3100 for data



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Take the Pressure Off!

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Low Pressure Spin-On Filter 5000 Series



FEATURES

- Housing Material: Cast aluminum.
- Flow rates: 0-125 gpm
- Pressure: 250 psig.
- Temperatures: -65° to 250°F
- Port Sizes and Flange Face: 1/2" to 1 1/2" NPT or SAE
- Bypass settings: 0, 3, 5, 15, 25 and 50.
- Element cleanliness indicators: Visual, electrical and gauge ports.
- Easy to install spin-on elements.

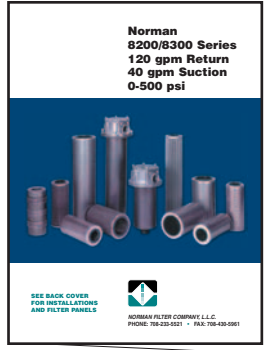
ELEMENTS

- Microglass – Beta 75 in 1, 3, 6, 12 and 25 micron absolute.
- Microglass – Water absorbing 3 and 10 micron
- Stainless Woven Wire – 141 micron
- Cellulose 3, 10 and 25 micron
- Water absorbing 3 and 10 micron

The 5000 series spin-on filter is commonly used to remove contaminants ingested or generated in hydraulic or lube oil applications. Private labeling available for OEM applications.

Request catalog G for data

Low Pressure Tank Top Filter 8000 Series



FEATURES

- Housing Material: Cast aluminum and Steel
- Flow Rates:
0-300 gpm (return)
0-100 gpm (suction)
- Pressure: 300 psi maximum operating
- Temperatures: -65° to 250°F.
- Port Sizes: 1/2" to 3" NPT, 1/2" to 1 1/2" SAE or 4 bolt flange.
- Bypass settings: 0, 3, 5, 15, 25 and 50 psi.
- Gauge port available for element cleanliness gauge.
- Easy drop in elements.

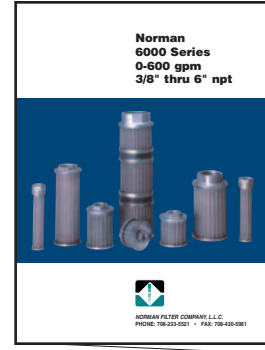
ELEMENTS

- Multiple length elements
- Microglass – Beta 75 in 3 and 10 micron
- Stainless Woven Wire – 141 micron
- Cellulose 3, 10, 25 micron
- Water absorbing – 3 and 10 micron

The versatile 8000 series can be utilized on the suction side, up to 100 gpm, and/or the return side, up to 300 gpm. They are compatible with all petroleum based fluids.

Request catalog 8000 for data.

Low Pressure Suction Strainers 6000 Series



FEATURES

- Strainer Material: Die cast aluminum covers and stainless steel media.
- Flow rates: 0-600 gpm (100 SSU oil)
- Pressures: Suction
- Temperatures: -65° to 250°F
- Port Sizes: 3/8" to 6" FNPT and 1" to 6" MNPT
- Bypass setting: 3 and 5 psi
- Element cleanliness indicators: not available.

ELEMENTS

- Stainless steel mesh 30, 60, 100 and 200 (100 mesh standard).

The Norman 6000 Series Suction Strainers are an epoxy bonded, positive protection system for pump inlets. These strainers are suitable for use with petroleum based oils, coolants, lubricants, hydraulic fluids and fire resistant fluids. Magnet options are available. In corrosive applications, strainers are offered with either cadmium plated or stainless steel endcaps that utilize a monel element media.

Request catalog 6000 for data



NORMAN FILTERS
*Custom Engineering & Product Development
available upon request.*

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Norman Portable Filter Transfer Cart, Panel and Might Might

When every dollar counts, it's good to know that Norman meets all of your requirements at a price nobody can match, feature for feature, dollar for dollar.

FILTER TRANSFER CART

FEATURES

- Available in 5 & 11 gpm Flow Capacities
- Two Filters, for Longer Filter Life
- Industrial Quality Gear Type Pump
- Heavy Duty Cart, With Drip Pan
- Pump Safety Relief Valve
- "Y" Strainer on Pump Inlet

UTILIZES NORMAN FILTER ELEMENTS

- Easy To Change Spin-On Filter Elements (no tools needed)
- Microglass – Beta 75 in 1, 3, 6, 12 and 25 micron absolute
- Microglass – Water Absorbing 3 and 10 micron
- Stainless Woven Wire – 141 micron
- Cellulose 3, 10 and 25 micron
- Water absorbing 3 and 10 micron
- Built-In Bypass Valve, Zero Leakage Until Differential Pressure is Reached

SAVE

- On Maintenance Cost and Down-time
- By Reducing Waste Disposal, as State & Federal Regulations Continue to Tighten
- By Filtering While Machines Are Running

Optimum fluid conditioning is achieved at lower pressure with a steady flow rate, which cannot be accomplished on many hydraulic and lubrication systems.



FILTER PANEL

The Norman Filter Panel is a unique off-line filtration system designed for conditioning hydraulic and lube oil fluids. Also referred to as a kidney loop system.

FEATURES

- Operates completely independent of a machine's main system
- Removes contaminants that can lead to component wear and down-time

MIGHTY MIGHT

FEATURES

- Recommended Fluids Include Petroleum Based Oils, Coolants and Fuels
- Two Filters, for Longer Filter Life
- Industrial Quality Vane Type Pump
- Pump Safety Relief Valve
- Strainer on Pump Inlet

Norman Filter Company's Mighty Might filtration system is a unique compact filter/pump device designed for conditioning and transferring industrial fluids.



High Viscosity Gear and Lube Oil Filtration Systems

Extend the life of expensive gear boxes and bearings with Norman Filter Company's innovative, high viscosity filtration systems.

HIGH VISCOSITY MIGHTY MIGHTS

- Up to 4 gpm flow capacity
(1 gpm @ viscosity ratings of up to 10,000 SSU)
- Primary and secondary filters
- 6' 110v power cord
- 6' hose assemblies
- Filtration down to 3 micron absolute and water absorbing



HIGH VISCOSITY FILTER CARTS

- 5 and 11 gpm flow capacities
(4 gpm @ viscosity ratings of up to 7,500 SSU)
- Primary and secondary filters
- 12' 110v power cord
- 12' hose assemblies
- Industrial grade gear pump
- Filtration down to 5 micron



HIGH VISCOSITY FILTER PANELS

- 5 and 11 gpm flow capacities
(4 gpm @ viscosity ratings of up to 10,000 SSU)
- Primary and secondary filters
- 12' 110v power cord
- 12' hose assemblies
- Industrial grade gear pump
- Filtration down to 5 micron



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