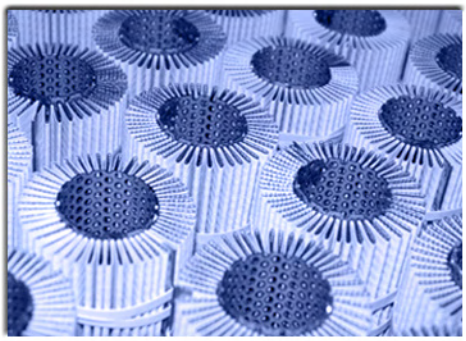

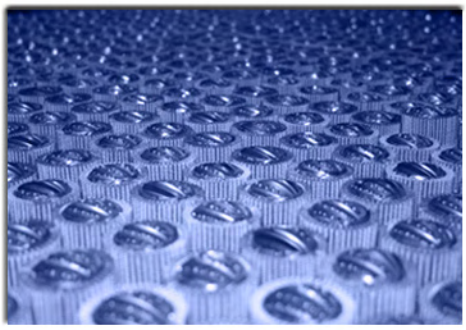

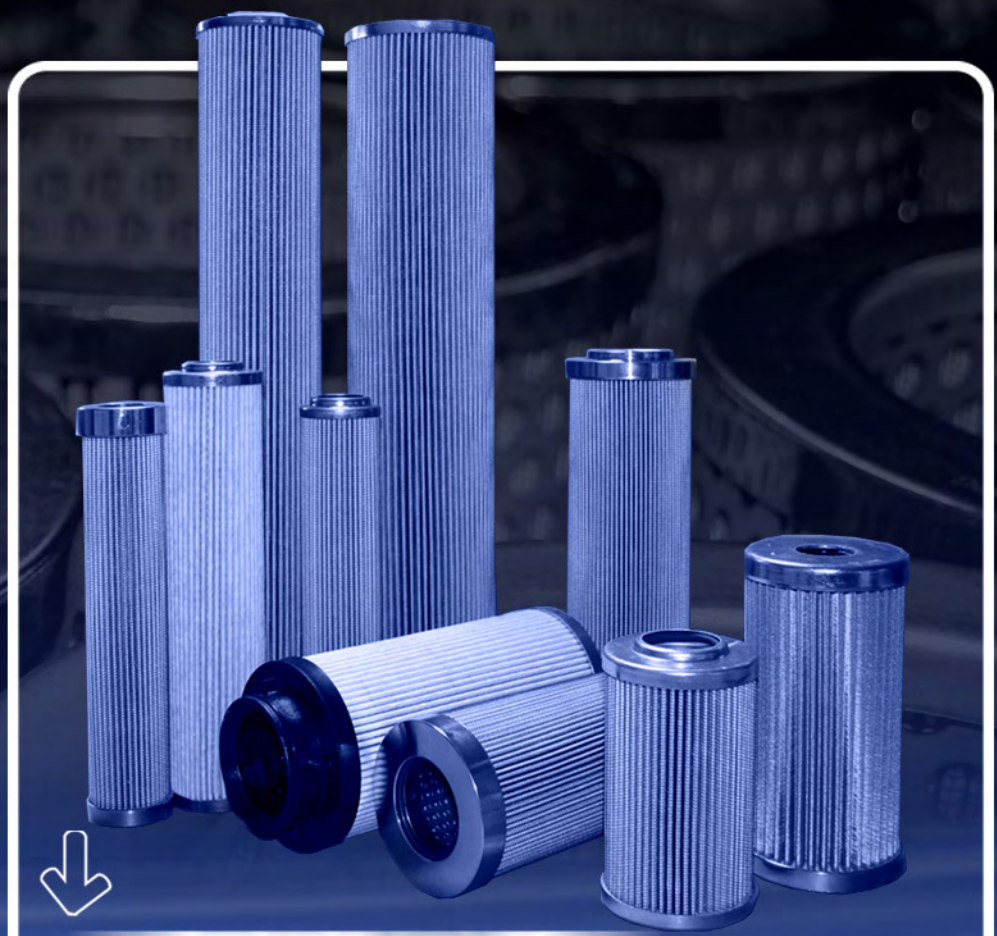

PRODUCT INFORMATION

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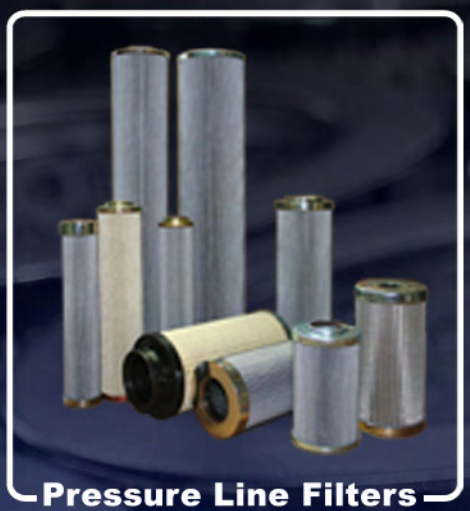
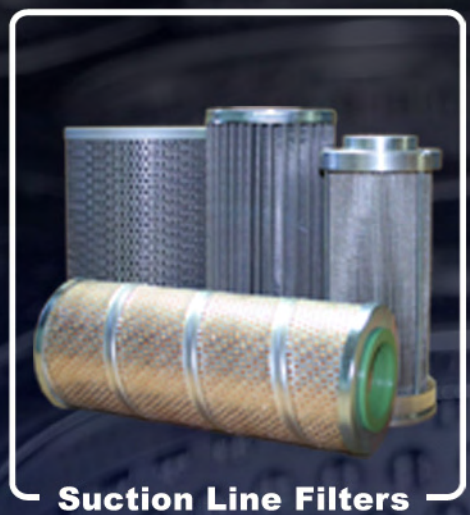
FILTREC
Technical Filtration

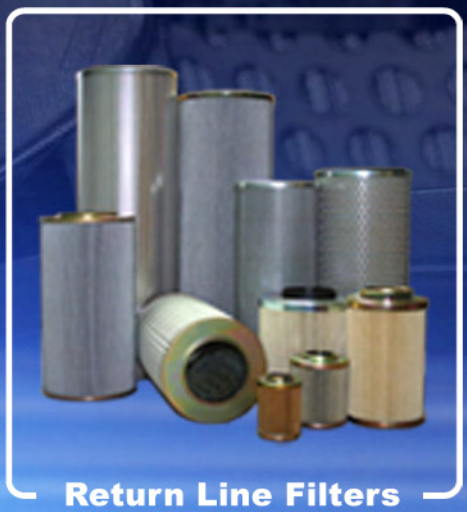


Pressure Line Filters

Pressure Line Housings



Suction Line Filters



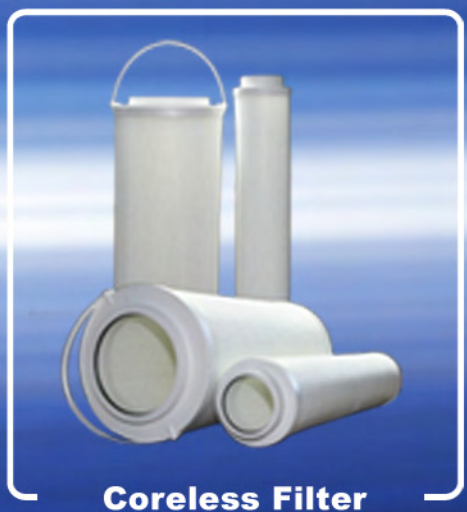
Return Line Filters

Return Line Housings

Suction Strainers

Spin-on Filters

Spin-on Filter Heads



Coreless Filter Elements

PRODUCT INFORMATION

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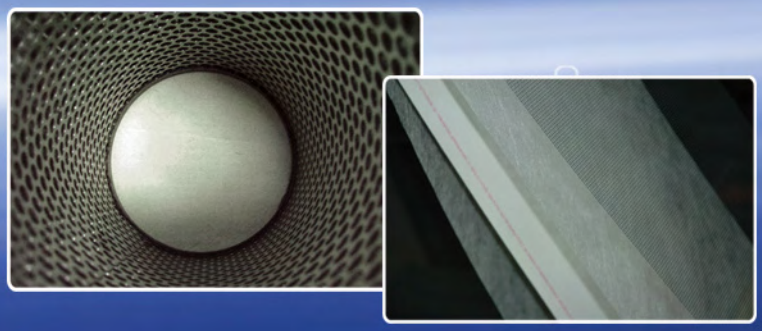
Filter Styles

- A *Suction Strainer* is located in the inlet of the pump. The strainer removes contamination from the reservoir fluid before it reaches the pump and the system components. These filters should be set up with an internal bypass valve to prevent starving the pump.

- A *Pressure Filter* is located downstream of the pump. It is exposed to full system pressure. The filter removes contamination generated or passed by the pump. An exceptionally contamination sensitive component may be protected by a "point of use filter" located immediately upstream of it.

- A *Return Line Filter* is located downstream of the pump and system components and upstream of the system reservoir. The return filter removes contamination generated or ingested by the pump and components before the fluid returns to the reservoir.



Hydraulic filtration is Filtrec's core business. We design and manufacture hydraulic filtration products using a wide variety of filtration media including:

Cellulose: 03 / 10 / 25 ($Beta_x$=2)

Microglass: 01 / 03 / 06 / 10 / 25 / 40 ($Beta_x$=200)

Stainless Steel Wire Mesh: 10 / 25 / 60 / 125 / 200 / 250

Through our in-house laboratory, Filtrec can meet specific performances with superior standards using the following tests:

- **Bubble Point Test:**

Is the differential gas pressure at which the first steady stream of gas bubbles is emitted from a wetted filter element under specified conditions. The air pressure required to blow the first stream through a pore is inversely proportional to the size of the largest pore in the element.

- **Patch Test:**

Visual analysis of a fluid sample. Passing a fluid through a fine media patch. The patch is then analyzed under a microscope.

- **Particle Counter Test:**

A test that generally gives a particle count and cleanliness classification.

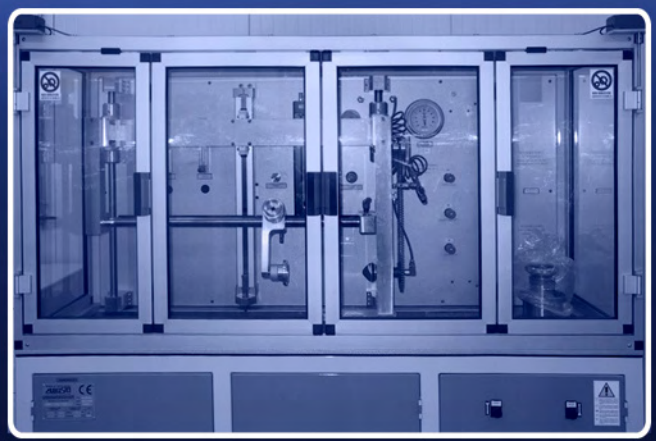
- **Laboratory Analysis:**

Gives a complete look at a fluid sample. Typical offerings include viscosity, neutralization number, water content, particle count, spectrometric analysis, trending graphs, photomicrograph and recommendation.

Filtrec elements have been independently tested (Multi-Pass Test) according to ISO 16889 by a leading U.S. filter-testing laboratory.

- **Multi-Pass Test:**

The multi-pass test is used to determine the Beta ratio/micron rating and dirt holding capacity of a filter element



FILTREC MANUFACTURES REPLACEMENT FILTER ELEMENTS FOR THE FOLLOWING MANUFACTURERS SYSTEMS

AIAG
AICHI
AIR MAZE
AIRFIL
AKERMAN
ALCO
ALLEN
ALLIED SYSTEM
ALLISON
AMT
AP FILTERS
ARBURG
ARGO
ATESO
ATLAS
ATLAS-COPCO
ATLET
BALDWIN
BARKO
BEA FILTRI
BECKER
BEHRINGER
BELL
BENATI
BENDINI
BENFORD
BIG A
BILLION
BITELLI
BLOUNT
BOLL & KIRCH
BOMAG
BOSCH
BOWSER
BRUENINGHAUS HYDROMATIK
BUCHER
BUCYRUS-ERIE
BUSCH
CANFLO
CAPA
CARQUEST
CARRARO
CARRIER
CASE POCLAIN
CATERPILLAR
CECCATO
CIFA
CIM-TEK
CLARK
COLES
COMMERCIAL
COOPERS
CO-PO
CRAVER
CROSLAND
CUNO
DAEWOO
DAF
DEMAG
DENNIS EAGLE
DOMANGE
DONALDSON
DYNAPAC
EFFER
ELOX
EPPENSTEINER
FACET
FAI ESCAVATORI
FAI FILTRI
FAIREY ARLON
FAUN
FAWCETT
FBO
FENDT
FIAAM
FIAT
FIFE
FILTERS
FILTERSOFT
FILTREX
FILU
FINN FILTER
FISPA
FLEETGUARD
FLEXIDER
FLLI DIECI
FLOW EZY
FLOW-LINE
FLUIDTECH
FLUITEK
FPC
FRAM
FURUKAWA
GARDNER DENVER
GB FILTRI
GENERAL ELECTRIC
GENERAL VACUUM
GENIE
GOLDONI
GRANGE
GRASSO
GRESEN
GROVE
HAMM
HANOMAG
HASTINGS
HAULOTTE
HEIL
HENGST
HIAB FOCO
HITACHI
HITZMANN
HYCON
HYDAC
HYDEMA
HYDRECO
HYMAC
HY-PRO
HYSTER
HYUNDAI
HYVA
IHC
IHI
ILG
INDUFIL
INTERNORMEN
ISOTTA FRASCHINI
JCB
JOHN DEERE
KAESSBOHRER
KAISER-KAMO
KALMAR
KAMAG
KARL MAYER
KATO
KAYDON
KELTEC
KNECHT
KOBELCO
KOMATSU
KRAMER
KRAUSS MAFFEI
KUBOTA
LALTESI
LEYBOLD
LHA
LIEBHERR
LINDE
LOGLIFT
LUBER FINER
MAHLE
MAKINO
MANITOU
MANN & HUMMEL
MARVEL
MASSEY FERGUSON
MAZAK
MECALAC
MEILLER
MENZI MUCK
MERCEDES
MICHIGAN FLUID POWER
MITSUBISHI
MODINA FILTRI
MOOG
MP FILTRI
NALG
NAPA
NELSON WINSLOW
NETSTAL
NEUSON
NEW HOLLAND
NISSAN
NORMAN
NUOVO PIGNONE
O & K
OKUMA
OMT
OWATONNA
PALFINGER
PALL
PARKER
PECO
PEL JOB
PERRY
PLASSER
PMI
POCLAIN
PRINCE
PROFITLICH
PTI
PUROLATOR
PUTZMEISTER
PX FILTRATION
REFILCO
REGEL TECHNIK
RENAULT
RIETSCHLE
ROSSI COGEME
ROYAL
RX
SAME
SAMSUNG
SAVARA
SCHAEFF
SCHROEDER
SCHWING
SENNEBOGEN
SEPARATION TECHNOLOGIES
SIMAS FILTERS
SMC
SOFIMA HYDRAULICS
SOFRALUB
SOFRANCE
SOMOS
STAHL
STAUFF
STILL
TADANO
TAISEI KOGYO
TAKEUCHI
TAMROCK
TCM
TECNOCAR
TEREX
TEXAS FILTRATION
TEXTRON
TIMBERJACK
TOWMOTOR
TRIBOGUARD
UCC
UCD
UFI
UNITEC
UNITED ENGINE LIFE
VALMET
VAPORMATIC
VELCON
VENIERI
VERMEER
VESSEL
VICKERS
VOGELE
VOKES
VOLVO
WESTERN
WIRTGEN
WIX
YALE
YAMASHIN
YANMAR
YORK
ZETTELMEYER
ZF
ZINGA

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Filter Manufacturers Council