

UFI FILTERS HYDRAULICS PRODUCTS



www.ufihyd.com



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A WINNING COMPANY



A SUCCESS STORY FOR MORE THAN 30 YEARS

UFI Filters Hydraulics, founded in 1992 in Bolgare, in the north of Italy, is the section of the UFI Filters Group dedicated to hydraulics filtration solutions.

For more than 30 years, UFI Filters Hydraulics has specialized in the design and manufacture of a comprehensive line of hydraulic filters, filter elements, spare parts and accessories, with the aims of creating innovative and sustainable hydraulic filtration solutions and, at the same time, meeting the requirements of the most demanding operating environments and applications.

Day in, day out, UFI Filters Hydraulics works tirelessly to understand customers' filtration problems and share its global experience with them, to guarantee a safe, stable cleanliness level and therefore create reliable, proven, and highly efficient hydraulics, for both mobile and stationary applications.

UFI FILTERS HYDRAULICS MILESTONES

In 2002, SOFIMA INDUSTRIAL FILTERS was founded in Shanghai as the headquarters of UFI Filters Hydraulics in China. With 22 years in business, the company manufactures and supplies high-quality filtration solutions, specifically dedicated to the local market, for a wide range of hydraulic applications including the wind power industry. Thus, UFI Filters Hydraulics is able to respond even more readily to its customers' needs and ensure it is aligned with local regulations.

In 2010, UFI Filters Hydraulics established an office dedicated to the hydraulics market in Nerul, Navi Mumbai, consolidating its business in India and allowing it to meet the specific needs of local companies.

In 2017 UFI Filters Hydraulics opened its sales office in Korea, to provide local support for the HCE Group, one of the most important construction equipment manufacturers in the country, as well as many other Korean OE manufacturers.

In 2021, UFI Filters Group opened its new premises in Oceania, UFI FILTERS AUSTRALIA, which has become an important reference point for the hydraulic market.

In 2022, UFI Filters Hydraulics acquired all of the shares of Friedrichs Filtersysteme GmbH, gaining access to new frontiers, including several additional markets, and extending its portfolio with new products and patents: the duplex fluidtech® series of filters, deltaP® differential pressure indicators, air-oil mist separators for high-power generators, silencers for air compressors, water filters for marine applications and the manufacturing industry, and other filtration units and breathers for various sectors, including wind power generation, mining, and the chemical industry.

UFI Filters Hydraulics' fifth production facility in Korea opened in 2024, dedicated to the production of filters, elements and accessories for local OE customers.

UFI FILTERS HYDRAULICS IN NUMBERS



1992

Founded in 1992, it's now a world leader in hydraulic technology.



6

6 application sectors: from heavy duty machinery, manufacturing industry and power generation to special applications.



180

5 production plants and over 180 employees in 6 countries worldwide.



6

6 lines of filter supplied: suction, return, pressure, off-line, transmission, air.

ENGINEERED FILTRATION SOLUTIONS

MOBILE HYDRAULIC APPLICATIONS

For vehicles designed to fulfil the arduous requirements of the construction industry, the supply of reliable hydraulic power safeguards the system and productivity levels. This enables vehicular fluid power systems to achieve exceptional performance and prevents expensive, time-consuming problems that can result in unplanned downtime, maintenance, and repair. UFI Filters Hydraulics has the knowledge and engineering technology to master these issues with more than 6,000 product for mobile applications in agriculture, construction,

heavy duty machinery, and material handling. In particular, UFI Filters Hydraulics has developed a green element series with a new structure that prolongs the replacement intervals and means a reduction in labour, materials, and disposal costs. For these reasons, many well-known construction vehicle manufacturers and end users have placed their trust in UFI Filters Hydraulics' ability over many years, to meet both original equipment and aftermarket requirements.

STATIONARY HYDRAULIC APPLICATIONS

UFI Filters Hydraulics has earned a solid reputation for quality and cost-efficient products, for applications including CNC machines, presses, power generation, wind power generation, and industrial hydraulic systems. UFI Filters Hydraulics products meet the requirements of hydraulic systems, offering maximum protection with high efficiency and long-term stability. High-performance microfibre filtration media, with high void volumes and warranty validating levels of dirt holding capacity, are in line with the economic need for extended machine life and service intervals demanded by the market. UFI Filters

Hydraulics has developed specific ecofriendly series for return and off-line applications to meet the most demanding requirements in terms of respect for the environment and reducing the number of polluting components in hydraulic systems. These ecofriendly series filters, featuring coreless filter elements, can be used in a variety of lubrication and hydraulic systems, such as those used in wind power generation and industrial manufacturing, and they represent a high-performance solution for a variety of hydraulic applications.

HYDRAULIC SECTORS



HEAVY DUTY

Trucks, buses, road building machines etc.



AGRICULTURAL

Tractors, combined harvesters, mixers, sprayers etc.



CONSTRUCTION

Excavators, backhoe loaders, dumpers, telehandlers etc.



POWER GENERATION

Wind turbines, genset, oil & gas etc.



MATERIAL HANDLING

Forklifts, port machining, vertical lifts etc.



INDUSTRIAL

Primary metal, ceramic presses, plastic presses, etc.

GLOBAL PRESENCE



- Headquarter
- Hydraulic Production & Sales
- Hydraulic Sales

UFI GROUP

HEADQUARTER

- UFI Filters S.p.A.
Nogarole Rocca (IT)

22 PRODUCTION SITES

- UFI Filters S.p.A. (Nogarole Rocca, IT)
- UFI Filters S.p.A. (Marcaria, IT)
- UFI Filters Hydraulics S.p.A. (IT)
- Plastic Technology S.p.A. (IT)
- Friedrich Filtersysteme GmbH (DE)
- UFI Filters Czech s.r.o. (CZ)
- UFI Filters Poland Sp Zoo (PL)
- Sofima Filters S.A (TN)
- UFI Filters do Brasil LTDA (BR)

- UFI Filters México, S de RL de CV (MX)
- UFI Filters India Pvt. Ltd (Bawal, IN)
- UFI Filters India Pvt. Ltd (Belgaum, IN)
- Sofima Filters India Pvt. Ltd (Bahadurgarh, IN)
- Sofima Automotive Filter Shanghai Co, Ltd (CN)
- UFI Filters Shanghai Co, Ltd. (CN)
- Sofima Industrial Filter Shanghai Co, Ltd (CN)
- Sofima Automotive Filter Changchun Co, Ltd (CN)
- Sofima Trading Shanghai Co, Ltd (CN)
- Sofima Automotive Filters Chongqing (CN)
- UFI Filters Korea Co, Ltd. (KR)

OPENING SOON

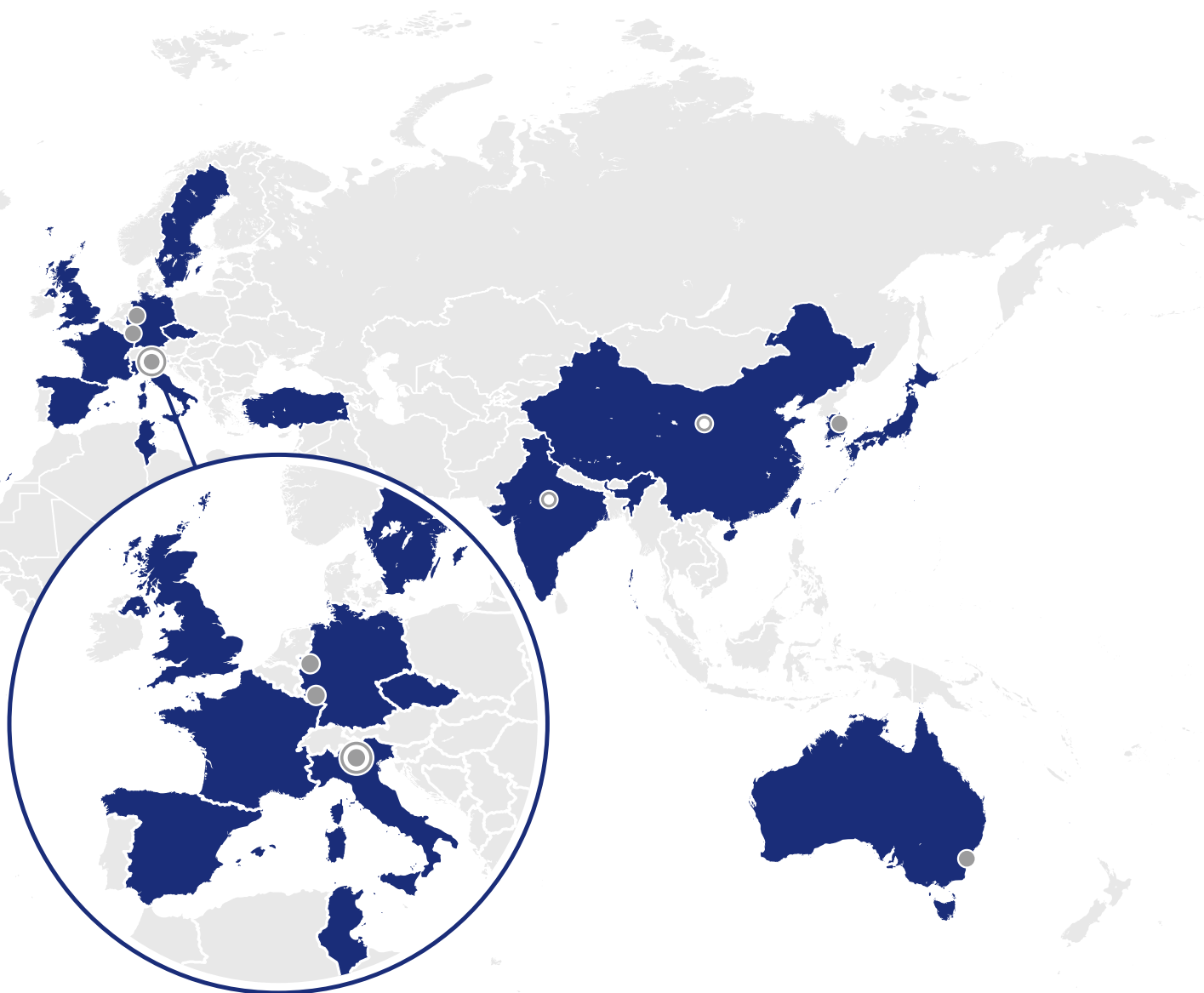
1 PRODUCTION SITES

- UFI Filters Aftermarket India (IN)

3 INNOVATION CENTERS

- UFI Innovation Center S.r.l. (IT)
- UFI Innovation Center India Pvt. Ltd (IN)
- UFI Filters Shanghai Co, Ltd (CN)

57 COMMERCIAL OFFICES



HYDRAULICS DIVISION

HEADQUARTER

- UFI Filters S.p.A.
Nogarole Rocca (IT)

5 PRODUCTION SITES & SALES

- UFI Filters Hydraulics S.p.A. (IT)
- Friedrichs Filtersysteme GmbH (DE)
- UFI Filters India (IN)
- Sofima Industrial Filter Shanghai Co, Ltd (CN)
- UFI Filter Korea Co, Ltd (KR)

1 INNOVATION CENTER

- UFI Innovation Center S.r.l. (IT)

5 COMMERCIAL OFFICES

- Saarbrücken (DE)
- UFI Filters United States (US)
- UFI Filters do Brasil LTDA (BR)
- UFI Filters Korea Co, Ltd. (KR)
- UFI FILTERS Australia Pty Ltd (NSW)

FORMULAUF1

MAXIMUM PROTECTION FOR HYDRAULIC SYSTEMS

Thanks to its Innovation Centers and extensive expertise, UFI Filters has developed a range of high-performance media with different formulas. Each FormulaUFI is designed to meet the rigorous demands of hydraulic systems, ensuring maximum protection, exceptional efficiency, and consistent stability.

Incorporating the latest materials and filtration media, UFI Filters products are aligned with market and technology requirements. With a deep understanding of the fundamentals of filtration, the company skilfully uses world-class filtration materials to optimize performance. UFI Filters currently offers a range of six different FormulaUFI types.

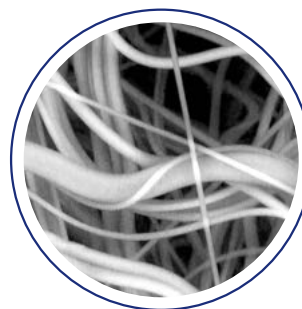
FORMULA UFI.EXTREME

DESCRIPTION

FormulaUFI.Extreme, that is used for example for extreme conditions in agricultural applications, is based on synthetic fibers to maximise the filter life, to reduce pressure drop keeping high filtration efficiency.

Filter efficiency is related to fibers size and distribution: these and other characteristics vary in order to optimize the performance for each specific application.

UFI has been a pioneer in the development of the FormulaUFI.Extreme.

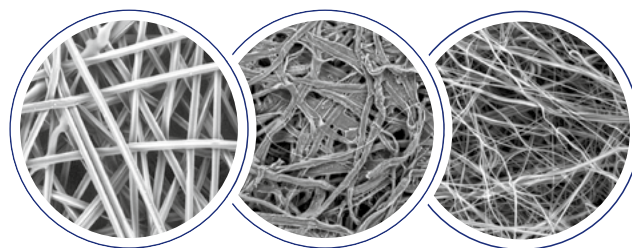


FORMULA UFI.STRATIFLEX

DESCRIPTION

FormulaUFI.StratiFlex, that is used for example in the CNH Cursor Engine Family, is a combination of different layers (i.e. cellulose, glass fibres and hydrophobic barrier) and it's one of the most revolutionary Formulas that UFI Group has developed in the last years.

The combination of different materials guarantees the achievement of unique filtration efficiency together with a long filter life and water separation from fluid.



FORMULA UFI.MICRON

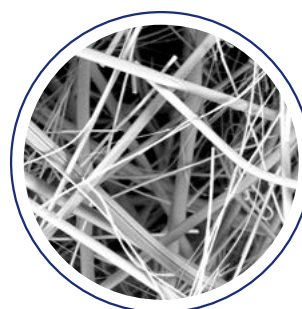
DESCRIPTION

FormulaUFI.Micron, that is used e.g. in wind power generation and industry applications, is based on inorganic fiber impregnated with resins and consists of multiple layers, up to 6.

It provides first c

FormulaUFI.Micron with multilayer structure retains even smaller particles than indicated on the reference ratio of each filter media.

Absolute rated high-efficiency glass fiber media elements are the most suitable selection for achieving target ISO cleanliness codes on systems with components that are sensitive to contamination (wind turbine, servo valves, piston pumps, etc.).



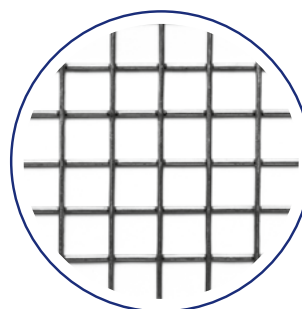
FORMULAUF1

FORMULA UF1.WEB

DESCRIPTION

FormulaUF1.Web, that is used e.g. in the ZF Automatic Transmission Filter and in pressure line as last chance filter, provides protection to sensitive and critical components, e.g. in the Danfoss Hydraulic Integrated Circuit and in the Carraro specialty tractors as protection of the hydraulic power lift.

FormulaUF1.Web is based on stainless steel mesh having such characteristics of good strength, flexibility, wide range of fluids compatibility, high temperature resistance and extremely low pressure drop with high flow rates as required for suction applications.



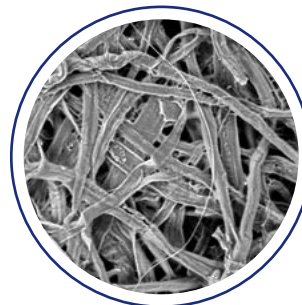
FORMULA UF1.CELL

DESCRIPTION

FormulaUF1.Cell is based on paper fibers made from pure cellulose impregnated with resin to maximize the filter life and reduce pressure drop.

Cellulose provides effective filtration for a variety of hydraulic applications, like concrete pumps and mining vehicles. It is also used for air breathers, return line filters and spin-on cartridges, in which a good quality-price ratio should be recommended.

Cellulose presents a porous surface, so that filtering media are classified on average pore size.

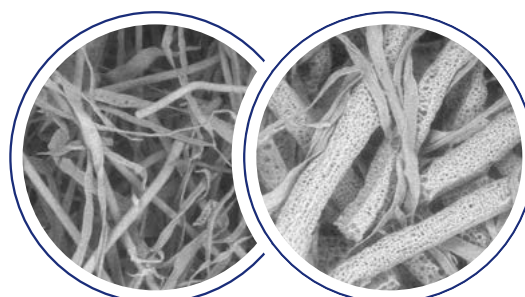


FORMULA UF1.H2O

DESCRIPTION

FormulaUF1.H2O, that is used for e.g. in off-line filters or in mobile filtration units, is based on super-absorbent polymer technology with a high affinity for water absorption and removes up to 80% of the free water present in the oil.

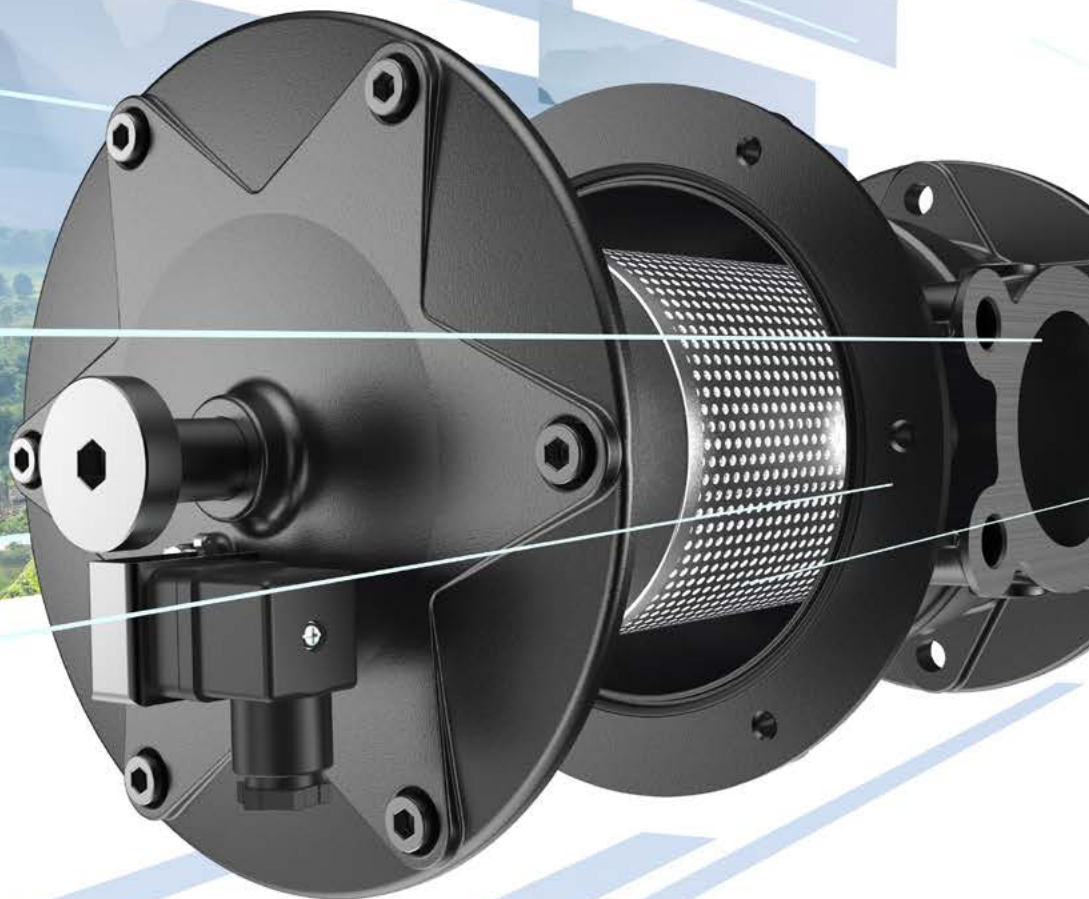
FormulaUF1.H2O works by absorption and ensures a high water retention capacity in all applications subject to water infiltration.



DRY

WET

SUCTION FILTERS



OPTIMAL PROTECTION OF YOUR PUMP

Application:

Suction filters protect the downstream hydraulic-pump from coarse contamination, mainly due to lack of initial cleaning or to an accidental ingress.

They take care of the pump, ensuring a safe and efficient operation. Suction Filters must be properly sized to avoid the cavitation of the pump. A proper filter media selection is highly recommended.

Although these filters play an important role in the hydraulic circuit, the general cleanliness level required by the system must be ensured by additional filters having that function, as Return or Pressure filters.

User Benefits:

Suction filters represent the “first-line” filtration and are used to:

- avoid the ingress of contamination into the hydraulic circuit;
- prolong the lifetime of finer downstream filtration;
- reduce the particulate-load on the finer filter, thus extending service life-intervals, unplanned downtime and maintenance;
- avoid damage to the finer downstream filter from coarse particulate, such as rust.

The overall consequence of effective “first-line” suction filtration is a reduction in the running costs of the hydraulic-pump.

SUCTION FILTERS



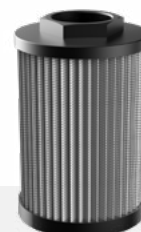
CAL

Qmax 100 l/min



ESA-ESB

Qmax 600 l/min



FAM

Qmax 600 l/min



FMA

Pmax 0,7 Mpa
Qmax 600 l/min



FSC

Qmax 500 l/min



FSD

Qmax 700 l/min



FSE

Qmax 75 l/min



FSG

Qmax 70 l/min



MSZ

Qmax 600 l/min



PRESSURE FILTERS



MAIN-LINE, HIGH EFFICIENCY FILTRATION

Application:

The pressure line filter is an essential part in most hydraulic systems. Hydraulic pressure filters are located downstream from the system pump. They are designed to handle the system pressure and sized for the specific flow rate in the pressure line where they are located. Pressure filters are especially suited for protecting sensitive components downstream from the filter, such as servo valves. Located just downstream from the system pump, they help protecting the entire system from pump generated contamination.

User Benefits:

- main-line, high-efficiency, full-flow fine filtration for the protection of precision valves and fluid-power proportional controls;
- high-performance, high-dirt-holding capacity, micro-fibre filter elements keep the cost of ownership (running-costs) low between planned machine service-intervals;
- non-welded housing design for extended life and safer operation.

PRESSURE FILTERS

FLA

Pmax 21 MPa
Qmax 35 l/min



FPA

Pmax 11 MPa
Qmax 60 l/min



FPB

Pmax 42 MPa
Qmax 600 l/min



FPC

Pmax 35 MPa
Qmax 150 l/min



FPD

Pmax 31,5 MPa
Qmax 400 l/min



FPE

Pmax 1,2 MPa
Qmax 300 l/min



FPG

Pmax 5 Mpa
Qmax 400 l/min



FPH

Pmax 2 MPa
Qmax 400 l/min



PRESSURE FILTERS



FPL

Pmax 31,5 MPa
Qmax 400 l/min



FPM

Pmax 21 MPa
Qmax 120 l/min



FPO

Pmax 3,5 MPa
Qmax 250 l/min



XTT

Pmax 31,5 MPa
Qmax 95 l/min



XTU

Pmax 31,5 MPa
Qmax 95 l/min



WLB

Pmax 3 MPa
Qmax 400 l/min





RETURN FILTERS



RETURN-LINE SAFEGUARDS FLUID CLEANLINESS

Application:

Hydraulic return line filters are used on the return-side of the hydraulic circuit, where the oil re-enters the tank-reservoir.

Return Filters play a critical role in the hydraulic system by ensuring that the fluid is kept free from solid contaminants, generated by deterioration of system components, that enter the oil reservoir and ultimately return to the system through the suction lines.

In addition to filtering the fluid, the return line filter serves other functions: they ensure a smooth flow of the fluid in a hydraulic system and protect the system with the aim of further extending the system and fluid life.

This type of filter should be sized for the maximum flow of the hydraulic system.

User Benefits:

- Several types of layout (tank-top, tank-insert, in-line) according to the application and the available space for assembly;
- Ease of maintenance and filter element replacement;
- Different accessories available, like in built-in air breathers, filling plugs, dipsticks, diffuser and magnetic core;
- Integral filter element by-pass valves option;
- Increased life of system components and lower maintenance costs;
- Higher machine utilisation with less down time.

RETURN FILTERS

FRA

Pmax 300 kPa
Qmax 700 l/min



FRB

Pmax 700 kPa
Qmax 140 l/min



FRC

Pmax 700 kPa
Qmax 200 l/min



FRD

Pmax 2 MPa
Qmax 1500 l/min



FRF

Pmax 1 MPa
Qmax 2200 l/min



FRG

Qmax 2400 l/min



FRH

Pmax 300 kPa
Qmax 200 l/min



FRI

Pmax 1 MPa
Qmax 1200 l/min



GRF

Pmax 1 MPa
Qmax 1200 l/min



ECOFRIENDLY
VERSION

OFF-LINE FILTERS



FLUSHING AND HYDRAULIC-FLUID TRANSFER

Application:

Off-line filters are used to maintain “Roll-Off-Cleanliness” in the hydraulic-fluid circuit when a new machine leaves the manufacturing assembly-line or undergoes repair or re-build. Independent of the main lubrication system, offline filtration provides isolated treatment of fluids before they are introduced back into the equipment. While still providing continuous flow, this extra stage of filtration prevents particulates and water from continuously circulating through engine systems, gear reducers, and oil reservoirs. Offline filtration ensures a high degree of lubricant cleanliness that reduces premature wear of machinery and optimizes equipment performance.

User Benefits:

- Off-line filters grant an added degree of lubrication cleanliness;
- Off-line filtration represents an enhanced best practice for fluid transfer;
- Roll-off filtration provides an additional opportunity for lubricant inspection;
- Off-line filters are available in multiple configurations and can be portable or permanent;
- Off-line filtration units can be run continuously or as-needed.

OFF-LINE FILTERS

GOF

Pmax 1 Mpa
Qmax 1500 l/min



ECOFRIENDLY
VERSION

FOF

Pmax 1 Mpa
Qmax 1500 l/min



UOW040

Qmax 40 l/min



ECOFRIENDLY
VERSION

UOW022

Qmax 22 l/min



HYDRO-DRY

Qmax 80 l/min



TRANSMISSION FILTERS



COMBINED RETURN & SUCTION FILTER

Application:

The hydrostatic transmission is a system that generates and transmits power to perform a job through the pressurisation and release of a fluid. In particular, the energy captured by the fluid through the hydraulic pumps is transferred to the transmission of a vehicle. Hydrostatic transmissions are typically used in heavy-duty applications.

The filter is a key part of the transmission system, designed to prevent metal shavings from the gears, and other dirt and debris, from contaminating the transmission fluid. Transmission filters also remove the shavings deriving from the general wear of the machine.

Combined Return & Suction Filters replace the need for suction- or pressure filters for the charge-pump in closed-loop hydrostatic-drive circuits and for return filters in the open-loop hydraulic circuit (Split transmissions).

User Benefits:

- Only one filter for both circuits that, thanks to a lightweight construction, guarantees space-saving;
- Less piping required and fewer potential leakage points;
- The total oil volume is filtered in the return line;
- Improved charge-pump protection, as the supplied oil is already pre-filtered;
- Excellent cold start;
- Simplified maintenance & easy filter element removal, with retained contamination.



FILTER ELEMENTS



THE IMPORTANCE OF REMAINING "GENUINE", EVEN WHEN MANUFACTURING ALTERNATIVE FILTER-ELEMENTS

When the time comes to replace your hydraulic filter elements, don't compromise on quality. Don't buy a counterfeit, pirate part!

Globalisation and the highly competitive environment we live in creates enormous pressure on manufacturers. The temptation to cut costs and the under estimation of the importance of genuine hydraulic filter elements poses a real risk to manufacturing efficiency and productivity.

There will always be an alternative source for the filter element you originally bought, however this source doesn't come without risk!

If you have been satisfied with the Genuine filter and its filter element, which could have been specified by your chosen equipment supplier (our OE customer for example) from the outset, why would you want to compromise that satisfaction now, for a part which is actually very reasonably priced, considering the service it performs and the protection it affords?

These "look alike" filter elements represent an unethical and often illegal practice that poses a real danger to your company's operation.

The equipment these filters are protecting has cost you a lot of money - much more than you can save by buying pirate elements. Therefore a compromise on the device designed to remove high-maintenance contamination from your essential hydraulic energy source, surely cannot make good business sense.

The difference between Genuine UFI parts and available "will fit" parts goes well beyond price and becomes a question of quality, confidence and the available level of "fallback" and support provided by a reputable filter manufacturer.

Genuine, UFI Hydraulic Filter Elements are made from the highest quality materials.

Literally millions of our Genuine parts have proven themselves over the years in many varied applications.

Others may offer interchangeable filter elements, but "under the skin" they are not the same - "It's what you don't see that may cost you dearly!"

UFI possess the necessary filtration technology and background to manufacture "Alternative" filter elements to meet OE, OES and independent aftermarket requirements. In doing so, these filter-elements are subjected to the same rigorous test regime as proprietary product. This ensures at the very least a like-for-like performance with the competitive original. An important detail of paramount importance where OE branding of the alternative element is undertaken.

In many cases, UFI alternative elements even exceed the performance characteristics of the original!

FILTER ELEMENTS



FORTIMAX

Q_{max} 1500 l/min
High pressure spin-on elements



IPD

Coreless element for
pressure applications



SRH

Q_{max} 1200 l/min
Double stage elements



DPX

DIN 24550 filter elements
for pressure applications

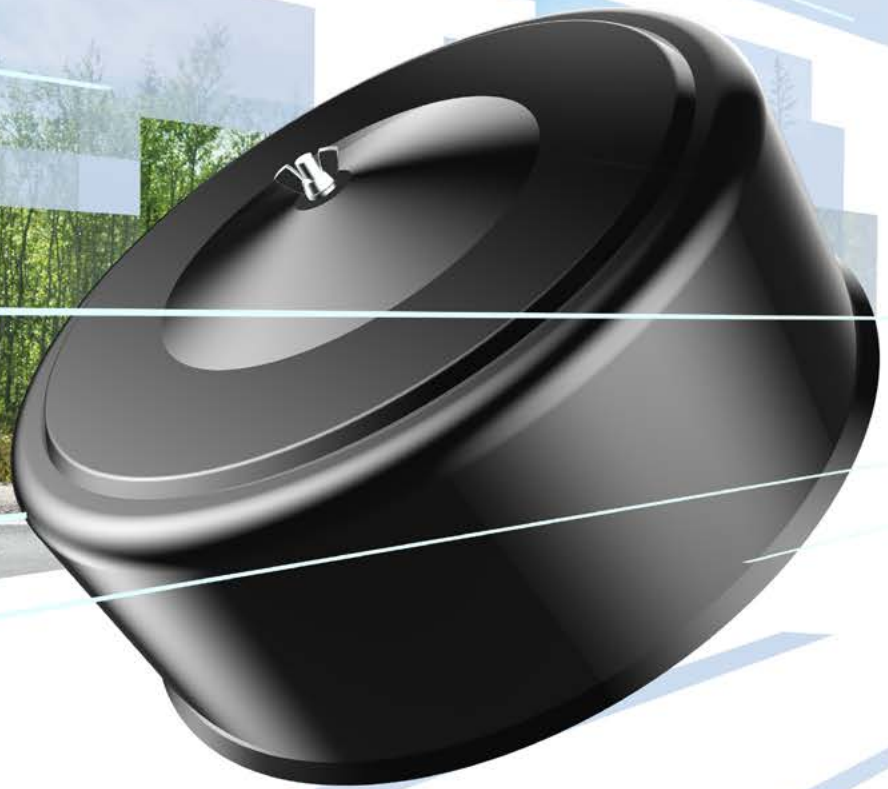


DRX

DIN 24550 filter elements
for return applications



AIR FILTERS



AIR FILTRATION LINE

Application:

The Air Filters and Breathers are the best complement of the hydraulic filters to avoid external contaminant ingress and to keep the contamination class at the desired value.

Air breathers are used on hydraulic tanks, lubricating oil systems and gearboxes.

Air filters should be fitted to the top of the tank-reservoir to clean any air that enters the reservoir as fluid level drops from normal system cycling. The breathers (with or without filler-cap) form a barrier between the air exiting and entering the free-air space above the level of hydraulic oil in the tank-reservoir.

The air-breathers represent one of the most important anti-contamination methods in a modern day hydraulic system.

User Benefits:

- Protect the system from airborne particulate contamination and humidity;
- Prevent Ambient Air from Entering the Reservoir Unless it has been Filtered;
- Help to maintain the air pressure over the hydraulic oil and hence prevent cavitation in the pump;
- Prevent moisture in the system;
- Lengthen time in between required maintenance intervals, reduces operating costs and extends overall equipment operational life;
- Lockable versions prevent unauthorized access to the tank.

AIR FILTERS

CBA

Qmax 750 l/min
Air breather, hand mounting



CBB

Qmax 500 l/min
Air breather with threaded connection



CBC

Qmax 1800 l/min
Air breather filter, extension
tube available on request



CBD

Qmax 1500 l/min
Air breather, thread mounted



CBE

Qmax 20000 l/min
Air breather, flange mounting



CBF

Qmax 4000 l/min
Air breather, clamp mounting



CBS

Qmax 2800 l/min
Air breather with spin-on element



CSE

Qmax 2800 l/min
Air breather with spin-on element



AIR SENTRY

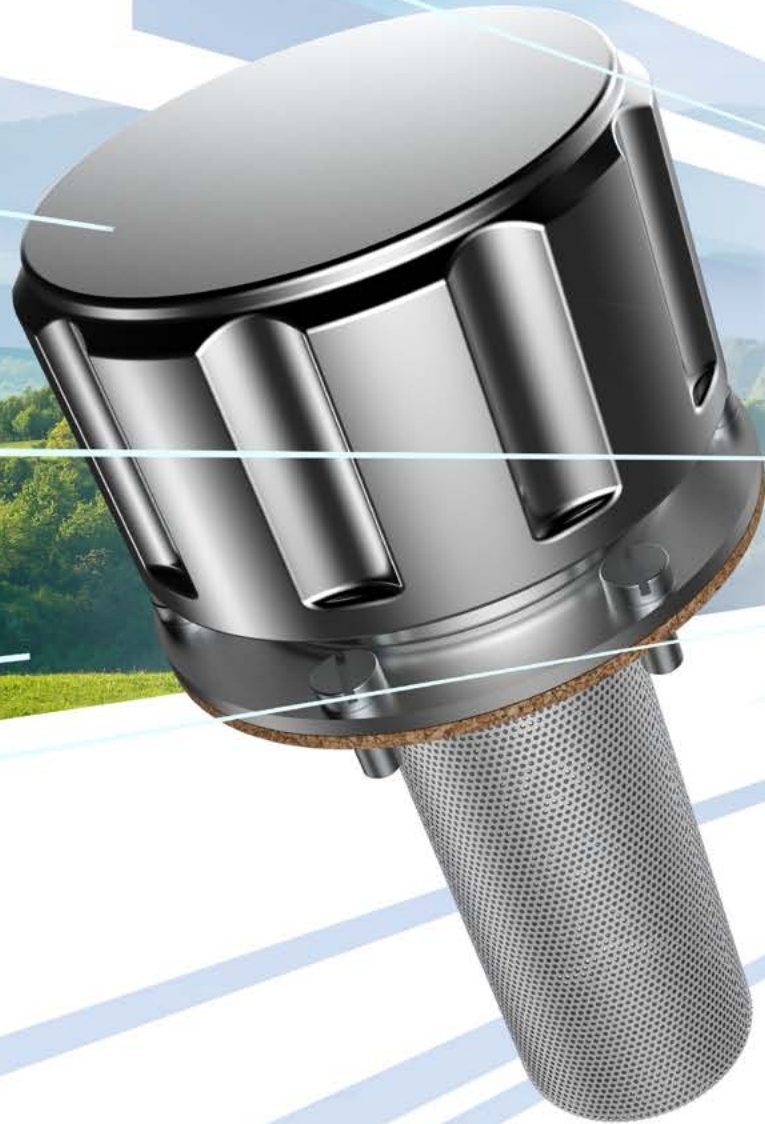
Air dryer filter breather



AIR FILTRATION LINE

Air breathers and filters should be fitted to the top of the tank to prevent contamination from entering from the atmosphere. This setup offers several benefits, including protection against airborne particles and moisture, as well as enabling direct mounting onto the reservoir without requiring extra piping.

ACCESSORIES



COMPREHENSIVE CHOICE, HIGH QUALITY STANDARD

Application:

UFI Filters Hydraulics accessories program has been carefully selected and designed to offer a range of components suitable for the construction needs of hydraulic systems and tanks for most industrial and mobile applications.

Whether you require simple filler breathers or precise electrical level switches, UFI Hydraulics accessories range will provide you with the choice you need.

User Benefits:

- Reduction of the impurity's entering from the environment in order to keep the fluid cleaner;
- Improvement of pump suction working conditions and reduction of cavitation phenomena;
- Reduction of foam formation in the fluid;
- Monitoring and control of oil cleanliness, temperature, and level.

ACCESSORIES

CFA

Filling breathers



CLA

Visual level indicators



CLB

Float switches



FAB

Oil bath air filter and cyclone prefilter



CLOGGING INDICATORS



THE IMPORTANCE OF GETTING THE TIMING RIGHT

Application:

Hydraulic filter clogging indicators are warning devices designed to indicate visually and electrically the correct timing for maintenance. In fact, the most economic change-out time for the filter element requires a mechanism to monitor the pressure of the hydraulic fluid flowing through the filter, that alerts the user when this flow starts to diminish and, therefore, the changing of the filter elements is necessary. The clogging indicator must be set to trigger a signal at a pressure lower than the setting of the integrated by-pass valve in the filter.

User Benefits:

- Continuous monitoring of the filter element condition with an exact indication of the efficiency status of the filter;
- Avoiding of unnecessary element changes, thanks to the indication of the most appropriate time for the element replacement;
- Prevention of potential system contamination thanks to a reliable signal prior to by-pass operation;
- Prevention of unexpected downtime and expensive hydraulic component repair deriving from compromised performance of the fluid in the system.



FRIEDRICHS FILTERSYSTEME



FRIEDRICHS FILTERSYSTEME

FRIEDRICHS FILTERSYSTEME GMBH has been an all-round supplier in the field of industrial filtration for almost 50 years. Since September 2022 it belongs to UFI Filters Hydraulics. Filters from FRIEDRICHS FILTERSYSTEME can be found deep under the earth's surface in mines and below sea level or high up in space and, of course, everywhere in between.

With the guiding principle 'Fluent Thinking' we are getting to the bottom of things, without forgetting to change perspective to think outside the box. This is what the FRIEDRICHS FILTERSYSTEME logo stands for, simple and clear!

This means that the German company is constantly learning about new challenges and using its experience and know how to develop professional solutions. The following 8 categories of filter systems are mainly used in industrial applications: Filter media, filter elements, conical strainers, particle filter systems, differential pressure indicators, oil mist separators, mufflers and special designs set new standards in filtration systems

FRIEDRICHS FILTERSYSTEME

RANGE

EF 4.121

Single filter



NSF 4.125

Single by-pass filter with upright filter element



DF 4.221

Double changeover filter with 90° connection



DF 4.222

Double in-line changeover filter



DF 4.225

Double filter with sideways arrangement and 90° connection



DF 4.212

Double filter for high pressure applications



CONICAL STRAINERS

Cleanable in-line strainer, plain screen



FE A

Replacement elements for double changeover filter DF 4.222 (DN 25/40/50) and DF 4.212 (DN 25)



FRIEDRICHS FILTERSYSTEME

RANGE

FE B

Replacement filter elements for single filter EF 4.121 (DN 20/32/50/80), double filter DF 4.225 (DN 20) and DF 4.221 (DN 32/50/80)



FE NSF

Replacement filter elements for By-pass filters NSF 4.125 (vertical and horizontal versions)



DEMISTER/-ELEMENTS

Demister & elements for the separation and recirculation of oil mist



DP 5.01

Differential pressure indicator deltaP® - aggressive media



DP 5.02

Differential pressure indicator deltaP® - standard version



DP 5.04

Differential pressure indicator deltaP® - maritime and non-magnetic



DP 5.07

Differential pressure indicator deltaP® - minimalistic and robust



SPECIAL DESIGNS

Customized solutions and special designs



HEAVY DUTY FILTERS



HEAVY DUTY FILTERS

Heavy vehicle manufacturers must ensure the highest levels of efficiency and safety, particularly for heavy duty vehicles, which travel long distances every day. This is why it is important to be able to rely on top-level suppliers such as UFI Filters, with its complete range. We supply our OE products to manufacturers who represent 48% of the world's production of trucks and industrial vehicles.

UFI Filters has marked the history of heavy duty engines oil filtration with the DEFENDER® patent, which uses a media, borrowed from aerospace technologies, composed of synthetic microfibres to guarantee extreme performance, with a service interval of hundreds thousand kilometres. Technological evolution has led

to the latest generation of innovative systems for filtration of oil, fuel, air blow-by and CNG/LPG. Since 2010 UFI Filters Group is also supplying OEMs with vacuum brazed heat exchangers in order to fulfil the requirements of cooling/heating in engines, transmissions and hybrid vehicles as well.

HEAVY DUTY

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Crankcase
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ENGINE-OIL FILTRATION MODULES

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