AGRICULTURE & FORESTRY

MPFILTRI®

PASSION TO PERFORM

HIGH-PERFORMANCE FILTRATION AND CONTAMINATION MONITORING SOLUTIONS FOR THE AGRICULTURAL SECTOR

Designed to thrive in the most challenging working conditions, MP Filtri's comprehensive range of products delivers the best in reliability and quality and has proven itself in the agricultural sector for 60 years.

Enhancing efficiency

Reduced waste

MP Filtri has always forged close partnerships with customers thanks to its commitment to meeting their needs and delivering effective solutions. The company offers a wide range of high-performance products including:

MAIN PRODUCTS

FMM

High Pressure Filters

LMP

Low Pressure Filters

MPFX

Return Filters

FHP

High Pressure Filters

MDH

Return Filters

SFEX

Elixir® Filters

SFEX Series
Suction filters

RFEX Series
Return filters

LFEX Series
Low Pressure filters

RELIABILITY AND QUALITY: WHY MP FILTRI IS THE PERFECT PARTNER!

State-of-the-art research and development programmes ensure our products are extensively tested and perfected in a cutting-edge laboratory. A passion for innovations drives everything we do.

Technology and experience are in the company's DNA!

THE MAIN FEATURES THAT DISTINGUISH OUR PRODUCTS ARE:

- Full control over every element of production from design to delivery
- A wide range of precise customisation options
- The latest in Research and Development technology
- Innovative design
- Outstanding support in the field
- Fast, reliable delivery times

GUARANTEED PERFORMANCE

MULTI-PASS ISO 16889

The ISO Multipass test evaluates the characteristics (or performance) of a filter element, providing data on efficiency and capacity.

ISO standard filtration compared	
$\beta_{x(c)} > 1000$ ISO 16889	Filter media code MP Filtri
5 $\mu m_{(c)}$	A(00)03
7 $\mu m_{(c)}$	A(00)06
10 $\mu m_{(c)}$	A(00)10
16 $\mu m_{(c)}$	A(00)16
21 $\mu m_{(c)}$	A(00)25

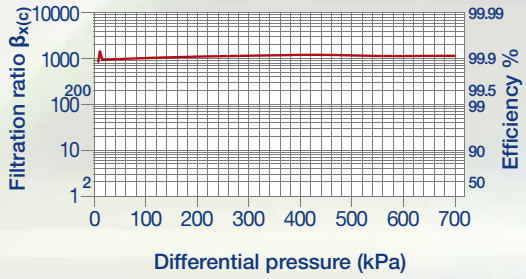
$$\frac{\text{Upstream particles number} > X\ \mu m_{(c)}}{\text{Downstream particles number} > X\ \mu m_{(c)}} = \beta_{x(c)}$$

Designed to thrive in even the most challenging working conditions

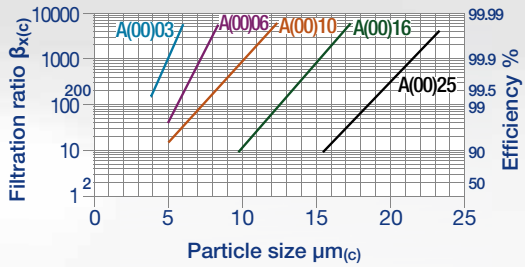
Full control over production from design to delivery

STABILITY OF BETA RATING

DEGREE OF FILTRATION A(00)10, $\beta 10\ \mu m_{(c)} > 1000$



HIGH EFFICIENCY IN ALL CONDITIONS



HYDRAULIC FILTRATION

Designing an effective filtration system requires a precise evaluation of its specific features, including: sensitivity of the individual components, degree and type of contamination, circuit pressure, flow rate, environmental conditions, fluid used and intervention cycles with a guarantee of a longer life of the machines than expected.

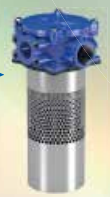
SUCTION FILTERS

STRC

Submerged suction filter, with bypass

up to Q_{max}	
l/min	gpm
875	231

RETURN FILTERS



MDH

"Bubble-free" deaeration filter allows the reduction of air inflow into the tank

up to P_{max}		up to Q_{max}	
bar	psi	l/min	gpm
8	116	750	198
10	145	500	132

MPFX

Tank top semi-immersed filter, easy filter element servicing

MPTX

Tank top semi-immersed filter with air breather, easy filter element servicing

FILTERS ELIXIR®

ELIXIR® guarantees easy maintenance by replacing only the filter element FEX with a lower environmental impact than previous models

up to P_{max}		up to Q_{max}	
bar	psi	l/min	gpm
16	232	300	79

SFEX SERIES - Suction
RFEX SERIES - Return
LFEX SERIES - Low pressure

RETURN / SUCTION FILTERS

MRSX

Tank top filter with combined filtration on return and suction to the inlet at the hydrostatic transmissions in closed loop

up to P_{max}		up to Q_{max}	
bar	psi	l/min	gpm
10	145	300	79

HIGH PRESSURE FILTERS

FMM

In-line high pressure filter with compact dimensions and reduced weight

up to P_{max}		up to Q_{max}	
bar	psi	l/min	gpm
420	6092	300	79
420	6092	710	198

FHP

High pressure filter with outlet check valve or reverse flow valve options

LOW PRESSURE FILTERS

LMP

Durable In-line filter with a wide range of element media options, including water removal

up to P_{max}		up to Q_{max}	
bar	psi	l/min	gpm
60	870	365	96

FILTER ELEMENTS

DIFFERENT OPTIONS OF FILTER ELEMENTS WITH THE MYCLEAN AND ZEROSPARK® CONCEPTS

Wide range of filter elements in various filtration grades for all MP Filtri filters and as market interchanges.

MYCLEAN

THE X CONCEPT FOR OUR FILTERS

zerospark®

THE ANTI-STATIC FILTERS

THE Z ANTISTATIC CONCEPT FOR OUR FILTERS

TANK ACCESSORIES

The complete range of tank accessories for hydraulic circuits comprises breather filters, filler and breather filters, filler caps, visual and electrical level indicators, pressure gauges selectors, flanges for fixing the oil tubes on the tank cover and inspection doors.
Filler and breather filters have a dual function at the tank inlet in the filtration of the incoming air and the pre-filtration of the fluid through the basket, in order to prevent the entry of foreign bodies during the filling or refilling operations.

AIR BREATHERS AND FILLER PLUGS

	up to P_{max} l/min	up to P_{max} gpm
TAP90 Filling caps and air breathers with multiple technical solutions	550	145
TAP114 Nylon oil filler and air breather filler cap	550	145
	1600	423

TA80
Metal oil filler and air breather filler cap

VISUAL OIL LEVEL INDICATORS

LVA
Available in three sizes, to monitor the fluid in the tank

POWER TRANSMISSION

COUPLINGS

Drive couplings provide the means by which power is transmitted from the IEC electric motors / Internal Combustion Engines to the hydraulic pump

The e-PTO coupling is specifically for electrically powered power take-offs

BELL-HOUSINGS

Bell-Housings are used as connecting elements between IEC electric motors / Internal Combustion Engines and a wide range of hydraulic pumps available on the international market

CONTAMINATION CONTROL SOLUTIONS

MP Filtri designs and manufactures a complete range of contamination control solutions aimed at increasing the life and the productivity of the hydraulic circuits. The technology developed by our Contamination Monitoring Products division allows preventive and predictive maintenance, guaranteeing maximum continuity of operation, a longer life cycle of the components and a relative reduction in costs. A complete solution that combines highly functional and energy-efficient systems with a wide range of after-sales services.

CONTAMINATION MONITORING PRODUCTS

LPA3
Portable Light Extinction Particle Analyser

CML4
Compact Portable Contamination Monitor

IN-LINE CONTAMINATION MONITORS

ICM 2.0 / 4.0
In-line Contamination Monitor

ICS
In-line Contamination Sensors

MOBILE FILTRATION UNITS

UFM 015
15 l/min (3.96 gpm)

UFM 041
34 l/min (8.98 gpm)

UFM 051
50 l/min (13.20 gpm)

UFM 091
UFM 181
UFM 919
90 l/min - 180 l/min (23.77 gpm - 47.55 gpm)

WORLDWIDE NETWORK

CANADA • CHINA • FRANCE • GERMANY • INDIA • SINGAPORE
UNITED ARAB EMIRATES • UNITED KINGDOM • USA

MPFILTRI®

PASSION TO PERFORM

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MP Filtri reserves the right to make modifications to the models and versions of the described products at any time for both technical and/or commercial reasons.
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