CONSTRUCTION & MATERIAL PROCESSING

MPFILTRI®

PASSION TO PERFORM

EXCEPTIONAL SAFETY AND PERFORMANCE: OUR PRODUCTS MAKE THE DIFFERENCE IN THE CONSTRUCTION!

We are meeting the challenges of the construction industry head on creating robust and innovative products that control contamination; protect machinery from hydraulic failures; and deliver greater reliability, performance and efficiency.
With the vast majority of hydraulic system failures caused by the build-up of contamination, we have developed solutions for our customers that ensure quality, safety and cost savings at every stage of the construction process.

partnership
proven reliability
quality
longer machinery lifespan
worldwide support

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:

KEY PRODUCTS

Return Filters

Return Filters

Low Pressure Filters

FMMX Series
for potentially
explosive atmosphere

High Pressure Filters

Return / Suction Filters

Elixir® Filters

SFEX Series
Suction filters

RFEX Series
Return filters

LFEX Series
Low Pressure filters

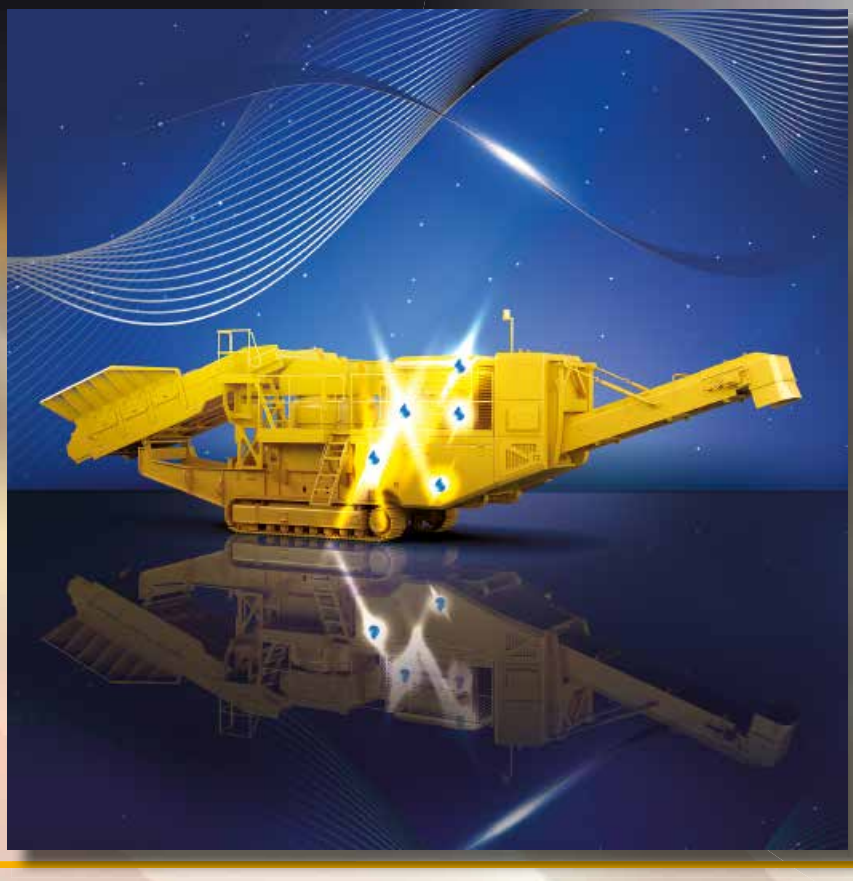
RELIABILITY AND QUALITY: WHY MP FILTRI IS THE PERFECT PARTNER!

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

Technology and expertise are in the company's DNA!

THE MAIN FEATURES THAT DISTINGUISH OUR PRODUCTS ARE:

- A dramatic reduction in unplanned downtime
- Support from a dedicated team of technical and commercial specialists
- The latest research and development technologies
- A dedicated laboratory for customer-specific tests
- Authorised distributors worldwide
- A wide range of precise customisation options



GUARANTEED PERFORMANCE

MULTI-PASS ISO 16889

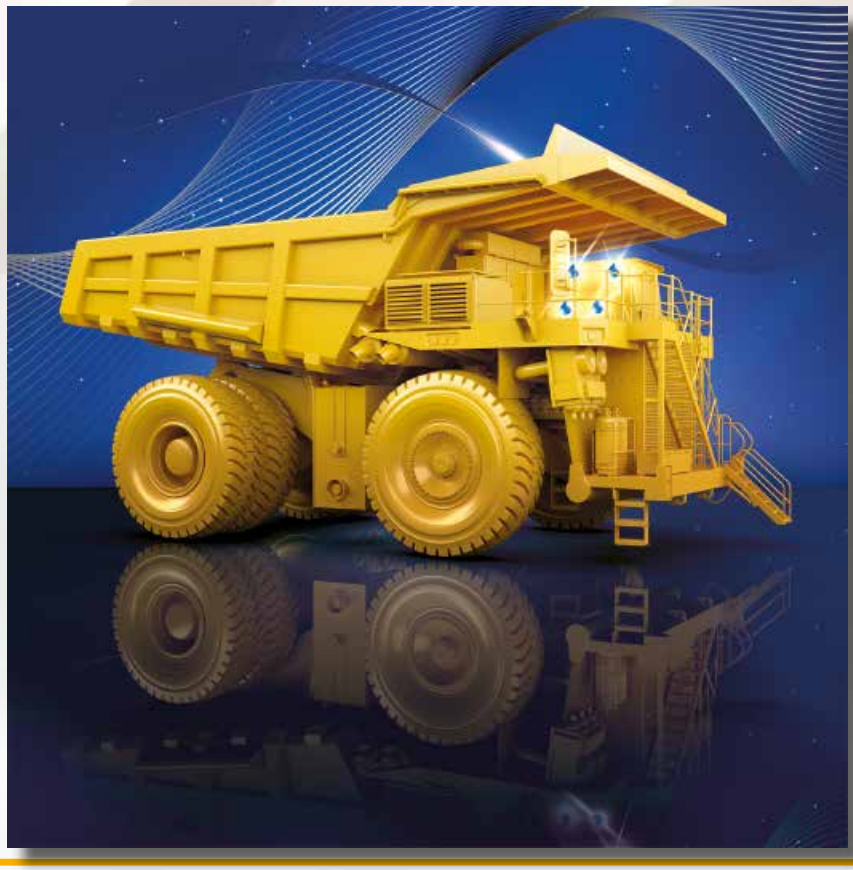
The ISO Multipass test evaluates the characteristics (or performance) of a filter element, providing data on efficiency and capacity.

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

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

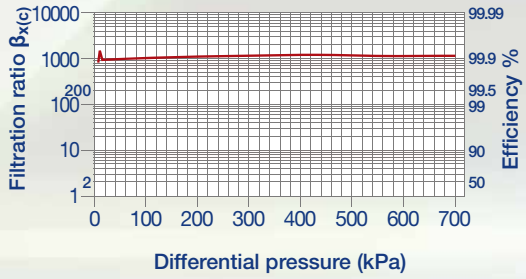
Designed to thrive in even the most challenging working conditions

We maintain full control over every element of production from design to delivery

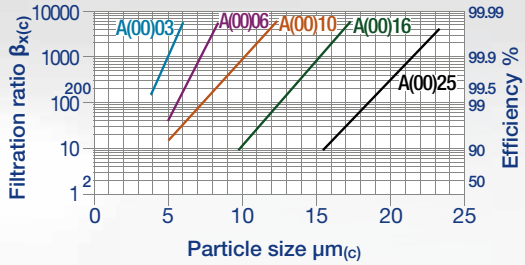


STABILITY OF BETA RATING

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, the degree and type of contamination, circuit pressure, flow rate, environmental conditions, fluid used and intervention cycles delivering longer machinery lifespans and reduced service costs.

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® enables easier maintenance with only the FEX filter elements needing to be replaced - resulting in a lower environmental impact than other 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

LOW PRESSURE FILTERS

up to P_{max}		up to Q_{max}	
bar	psi	l/min	gpm
80	1160	175	46

LMP 110 MULTIPORT

In-line filter with Multiport design for multiple choice connection

HIGH PRESSURE FILTERS

FMMX

High pressure filter for mobile applications, low flow rate

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

FHP

Typical high pressure filter for mobile applications, high flow rate

HIGH PRESSURE FILTERS FOR POTENTIALLY EXPLOSIVE ATMOSPHERE

ATEX CERTIFIED PRODUCTS
Standard ATEX Directive 2014/34/EU and UK Regulation S.I. 2016 No. 1107 (as amended).

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

FMMX

High pressure filter for mobile applications, low flow rate

FILTER ELEMENTS

WIDE RANGE OF ELEMENT OPTIONS FOR MYCLEAN AND ZEROSPARK® CONCEPT FILTERS

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

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 covers.

Filler and breather filters have a dual function at the tank inlet filtering incoming air pre-filtering the fluid through the basket. This prevents the entry of foreign bodies during the filling or refilling operations.

AIR BREATHERS AND FILLER PLUGS

	up to P_{max}	
	l/min	gpm
TAP90 Filling caps and air breathers with multiple technical solutions	550	145
TAP114 Nylon oil filler and air breather filler cap	3000	793
	1600	423

SAP115
Filler plug and polyamide air filters

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 electric motor to the hydraulic pump.

AKG complete couplings are certificated: ATEX 2014/34/EU & U.K. Regulation S.I. 2016 No. 1107 (as amended)

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 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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