

CONSTRUCTION

Reliability in every condition



OVERVIEW

Every year more than \$140 billion is spent around the world on construction machinery - a massive investment in performance and productivity for building projects.

Our simple, cost-effective contamination control solutions protect customers' investment, cutting service and maintenance costs; enhancing the lifespans of complex hydraulic systems; and maximising performance and uptime.

Our cutting-edge contamination monitors and high-performance filters detect and remove the particles which cause around 80 per cent of hydraulic failures.

Can you afford not to protect yourself?

Specialist Expertise

We pride ourselves on forging long-term customer relationships built on results and trust – delivering products and solutions that save money and increase reliability.

Working closely with you to identify solutions, we offer:

- Unrivalled expertise
- A complete range of filters designed to the most exacting standards
- Contamination monitoring equipment that permits thorough analysis of contamination in real-time, 24/7
- Portable filtration rigs for targeted clean-up
- Simple but sophisticated software with no need for formal training
- Power transmission couplings to complete your systems – delivering lower noise and reduced vibration

Lessening your environmental impact

We know how important reducing the carbon footprint is to all construction companies.

We will work with you to reduce your impact and meet your eco-targets. Compliant with Tier 5 international standards, our new Elixir filters reduce weight, use less non-recyclable material, and minimise oil waste – all without adversely impacting performance.

Using our particle counters to monitor oil cleanliness also prolongs oil life, reducing both consumption and waste.





ROBUST, RELIABLE DESIGN

Construction machinery has to perform in punishing, dusty, and hostile environments. Whatever conditions you work in, our heavy-duty filters can help you tackle contamination and prevent breakdowns. With our own foundry for manufacturing filter housings, a purpose-built facility for testing under realistic working conditions, and a proprietary multi-layer element creation process, we control every aspect of filter production to ensure the best in quality and reliability.

Innovative, compact design

Because of the space efficiency requirements of mobile machinery, we have designed a comprehensive range of return and high-pressure filters that are not only light and compact but also keep both costs and contamination low.

Cutting-edge research and development programmes

Innovation is everything. At our state-of-the-art R&D facility in Milan, MP Filtri's team of experienced engineers research the latest breakthroughs in hydraulic filtration, exhaustively testing new prototypes and developing an ever-expanding range of filters ideal for construction and mobile applications.

Global support network

We are dedicated to supporting you wherever you are in the world. We have an expanding international network with our HQ in Milan, Italy, and experienced branches around the world. We also work closely with sales partners and distributors in more than 100 different countries to ensure you can always count on MP Filtri.

Easy as 1-2-3

Finding the right filter can be a challenging task with so many different and specialised models available. At MP Filtri we are focused on simple solutions which make life easier for you and have therefore created an easy-to-use selection tool which helps you find the right product in three simple stages. Just insert your system's pressures, flow rates, filtration rate and then press calculate for recommendations of the ideal products for your needs.

Suction filters

Protect pumps from contamination, while also providing additional flow diffusion in the suction line. They can be equipped with a magnetic column for retaining ferrous particles smaller than the pleated wire mesh, and with or without a bypass valve.



Return filters

Return filters perform the task of filtering the system fluid and preventing particles from entering the system externally or from internal wear and tear of components. These filters are normally mounted to the reservoir fully or semi-immersed.



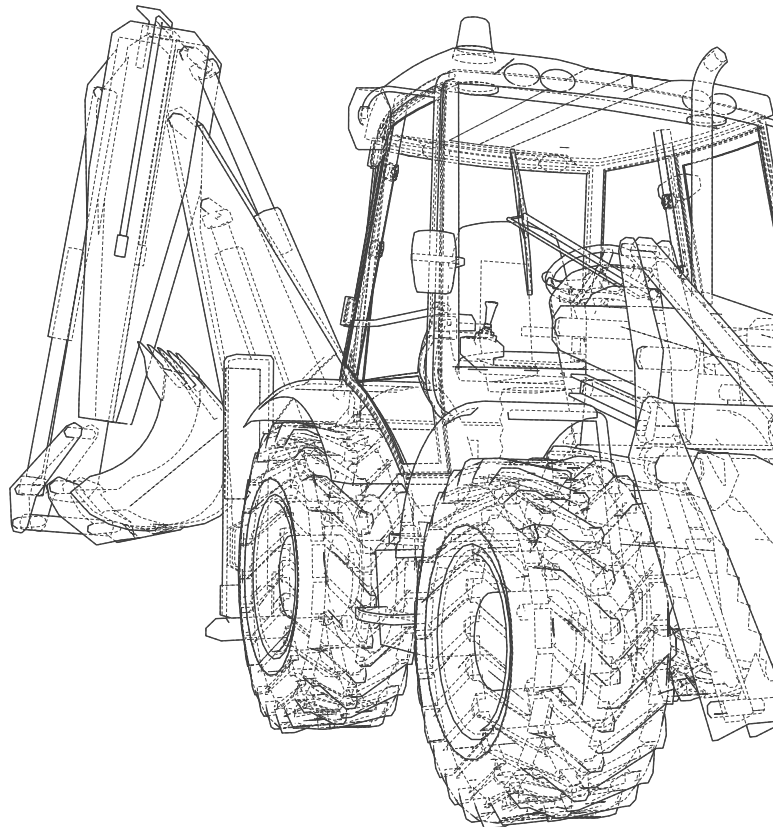
Return/suction filters

Combination Return / Suction filters are designed to filter an open loop return circuit and provide a suction line boost to the closed loop charge pump in hydrostatic transmission applications. Utilising the 0.5 bar back pressure valve ensures positive pressure to the charge pump inlet minimising the potential for cavitation, especially during cold start conditions.



Low and Medium Pressure filters

Designed as in-line return, pressure or off-line recirculation filtration protecting the most sensitive hydraulic system components. Featuring a robust design and a wide choice of options, the LMP series offers a diverse range of housing models and elements to suit low to high flow rates and maximum circuit protection.



Filter and tank accessories

We offer a comprehensive range of tank accessories for hydraulic circuits including: breather filters, filler and breather filters, filler caps, visual and electrical level indicators, pressure gauges selectors.



Power Transmission range

All our power transmission products are designed using the very latest CAD and FEM technology, and then created to the highest international standards at our in-house foundry and engineering works.

Our couplings are rugged and reliable and require no lubrication – saving you maintenance costs and ensuring performance is not compromised by downtime.



Mobile Filtration Trolleys

Portable oil transfer and filtration units specially designed for cleaning hydraulic oil as it is transferred from storage to the equipment's reservoir. The range includes premium units equipped with the latest ICM particle counting technology to enable an easy semi-automated, and effective system clean-up.



Portable Particle Counters

MP Filtri enables you to take the lab wherever you go with its portable LPA3. Easy to master without formal training, the LPA3 provides a comprehensive health check of hydraulic oil and early warning of potential risks, to prevent unexpected downtime and reduce maintenance and service costs.



Inline Particle Counters

The ICM monitors oil contamination in your system 24/7. It can deliver real-time particle contamination direct to your mobile device or PC – giving you full control of particle contamination levels for every machine equipped with the device wherever you are in the world. MP Filtri's ICM technology is recognised as the international market leader in contamination monitoring, due to its full 8-channel measurement, high accuracy, and repeatability.





WORLDWIDE NETWORK



HEADQUARTERS

10 BRANCHES

OVER 100 DISTRIBUTORS

Germany

France

USA

Russian Federation

China

United Kingdom

India

Canada

Singapore

United Arab Emirates

PASSION TO PERFORM

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