



www.mpfiltri.com

SUCTION FILTERS



STR

Submerged suction filter,
flow rates up to
900 l/min (238 gpm),
threaded connections from
3/8" to 3" BSP/NPT.



SF2 250

Semi-submerged positive
head suction filter,
flow rates up to
160 l/min (43 gpm),
threaded connections up to
1 1/2" BSP/NPT/SAE and
1 1/2" SAE 3000 PSI
flanged connections.



SF2 500

Semi-submerged positive
head suction filter,
flow rates up to
850 l/min (225 gpm),
flanged connections up to
4" SAE 3000 PSI.



FAS

External suction filter,
flow rates up to
850 l/min (225 gpm),
threaded connections up to
1 1/2" to 2 1/2" BSP/NPT and
flanged connections up to
3 1/2" SAE 3000 PSI.

RETURN FILTERS

MPF



Tank mounted return filter, with oil flow external to internal filtering element.
Working pressure 8 bar (116 psi), flow rates up to 750 l/min (198 gpm), threaded connections from 1/2" to 2" BSP/NPT/SAE and flanged connections up to 2" SAE 3000 PSI.

MPT



Tank mounted return filter with oil flow external to internal filtering element.
Working pressure 10 bar (145 psi), flow rates up to 300 l/min (80 gpm), threaded connections from 3/8" to 1 1/4" BSP/NPT/SAE.

MPH - MPI



Tank mounted return filter with oil flow internal to external filtering element.
Working pressure 10 bar (145 psi), flow rates up to 3000 l/min (792 gpm), threaded connections from 3/4" to 1 1/2" BSP/NPT/SAE and flanged connections 2 1/2", 3" and 4" SAE 3000 PSI/DIN and 4" DIN PN 10/16.

FRI



In line or tank mounted return filter with oil flow external to internal filtering element.
Working pressure 20 bar (290 psi), flow rates up to 1500 l/min (397 gpm), threaded connections from 1/2" to 2 1/2" BSP/NPT/SAE and flanged connections up to 3 1/2" SAE 3000 PSI.

IN-LINE FILTERS



LMP 110 - 120 - 123 Multiport

In-line filter, working pressure
80 bar (1160 psi), flow rates
up to 200 l/min (53 gpm),
threaded connections
3/4" and 1" BSP/NPT/SAE.



LMP 210 - 211

In-line filter, working pressure
60 bar (870 psi), flow rates up
to 300 l/min (80 gpm),
threaded connections from
1" to 1 1/2" BSP/NPT/SAE
and flanged connections up to
1 1/2" SAE 3000 PSI.



LMP 400 - 430

In-line filter, working pressure
50/60 bar (725/870 psi),
flow rates up to
740 l/min (195 gpm),
threaded connections from
1 1/2" and 2" BSP/NPT/SAE
and flanged connections
2" and 2 1/2" SAE 3000 PSI.



LMP 900

In-line filter, working pressure
30 bar (435 psi), flow rates
up to 2000 l/min (528 gpm),
flanged connections
3" and 4" SAE 3000 PSI.

IN-LINE FILTERS



LMP 950

In-line simplex or modular filter, from 2 to 6 heads
working pressure 30/25 bar (435/362 psi), flow rates up to
2400 l/min (634 gpm), flanged connections 3" and 4" SAE 3000 PSI.



LMD

In-line duplex filter, working pressure
16 bar (232 psi), flow rates up to 1200 l/min (315 gpm),
flanged connections 2 1/2", 3" and 4" SAE 3000 PSI DIN PN 16.

PRESSURE FILTERS



FMP 039

In-line filter, working pressure
110 bar (1595 psi),
flow rates up to
90 l/min (24 gpm),
threaded connections
1/2" BSP/NPT/SAE.



FHP 010

In-line filter, working pressure
420 bar (6000 psi), flow rates
up to 40 l/min (11 gpm),
threaded connections up to
3/8" BSP/NPT/SAE.



FMM

In-line filter, working pressure
420 bar (6000 psi), flow rates
up to 150 l/min (40 gpm),
threaded connections up to
3/4" BSP/NPT/SAE/ISO 6179.



FMP

In-line filter, working pressure
320 bar (4641 psi), flow rates
up to 475 l/min (126 gpm),
threaded connections up to
1 1/2" BSP/NPT/SAE and
flanged connections up to
1 1/2" SAE 3000 PSI.

PRESSURE FILTERS



FHA

In-line filter, working pressure
560 bar (8122 psi),
flow rates up to
150 l/min (40 gpm),
threaded connections up to
3/4" BSP/NPT/SAE/ISO 6179.



FHP

In-line filter, working pressure
420 bar (6000 psi),
flow rates up to
475 l/min (126 gpm),
threaded connections up to
1 1/2" BSP/NPT/SAE and
flanged connections up to
1 1/4" SAE 6000 PSI.



FHP 500

In-line filter, working pressure
420 bar (6000 psi),
flow rates up to
750 l/min (199 gpm),
threaded connections up to
1 1/2" BSP/NPT/SAE and
flanged connections up to
2" SAE 6000 PSI.



FHM

Manifold mounted filter,
working pressure
320 bar (4641 psi), flow rates
up to 430 l/min (114 gpm),
manifold connections.

PRESSURE FILTERS



FHB

Side manifold mounted filter,
working pressure
320 bar (4641 psi),
flow rates up to
490 l/min (130 gpm),
side manifold connections.



FHF 325

In-line filter, working pressure
350 bar (5076 psi),
flow rates up to
500 l/min (133 gpm),
threaded connections
1 1/2" BSP/NPT/SAE and
flanged connections
1 1/2" SAE 6000 PSI
manifold type.



FHD

In line duplex filter,
working pressure
350 bar (5076 psi), flow rates
up to 345 l/min (92 gpm),
threaded connections from
1/2" to 1 1/4" BSP/NPT/SAE
and flanged connections
1 1/2" SAE 6000 PSI.

SPIN-ON FILTERS



MPS

Either suction or return line in-line mounted Spin-On, working pressure 12 bar (174 psi), flow rates up to 300 l/min (80 gpm), threaded connections from 3/4" and 1 1/2" BSP/NPT/SAE and flanged connections 1 1/2" SAE 3000 PSI.



MST

Tank mounted return filter Spin-On, working pressure 12 bar (174 psi), flow rates up to 200 l/min (53 gpm), threaded connections from 3/4" and 1 1/2" BSP/NPT/SAE and flanged connections 1 1/2" SAE 3000 PSI.



HEADQUARTER:

MP FILTRI S.p.A. Italy
Via 1° Maggio, n. 3
20060 Pessano con Bornago
(Milano) Italy

Tel: +39.02/95703.1

Fax: +39.02/95741497-95740188

e-mail: sales@mpfiltri.com

<http://www.mpfiltri.com>

<http://www.hydraulicparticlecounter.com>

SPIN-ON FILTERS



MSH

In-line filter Spin-On, working pressure
35 bar (508 psi), flow rates up to 250 l/min (66 gpm),
threaded connections from 3/4" to 1 1/2" BSP/NPT/SAE.



CT - CH - CS - CG

Filter element Spin-On, working pressure 12/35 bar (174/508 psi),
flow rates up to 250 l/min (66 gpm), threaded connections:

3/4" BSP	1" - 12 UNF
1 1/4" BSP	1 1/2" - 16 UN

SUCTION/RETURN FILTERS



MRS 116

Tank top filter "Suction/Return",
working pressure
10 bar (145 psi), flow rates up to
120 l/min (32 gpm),
threaded connections
1" BSP/NPT/SAE.



LMP 124

In-line filter "Suction/Return",
working pressure
80 bar (1160 psi), flow rates
up to 160 l/min (42 gpm),
threaded connections
1" BSP/NPT.

STAINLESS STEEL FILTERS



FZ ... INOX

In-line manifold and duplex
stainless steel filters, working
pressure from 60 bar (870 psi)
to 1000 bar (15000 psi),
threaded connections from
1/4" to 3/4" BSP-NPT-SAE-
AUTOCLAVE.

DIFFERENTIAL INDICATORS



N - E - V ...

Brass and stainless steel differential
available, with visual, electrical,
electrical/visual and
electronic reading.
Electrical protection IP 65 and IP 67.
Also available with temperature
lockout options.

MP REFIT ELEMENT



MP REFIT

Interchangeable filter elements
manufactured to conform with
international ISO standards:

- 2941
- 2942
- 2943
- 3723
- 3724
- 3968
- 16889

CONDITION MONITORING

LPA 2



Particle counter calibrated to ISO 11171 standard, working pressure from 2 bar (29 psi) to 400 bar (5801 psi). Contamination reports data in ISO 4406, NAS 1638 and AS4059 formats. Oil temperature and relative humidity reading sensors.

CML 2



The CML2 contamination Analyser is designed to measure and quantify the number of solid contaminants in Hydraulic, Lubrication and Transmission applications. The CML2 is a portable, accurate instrument suitable for "on-site" applications utilising mineral oil as the operating fluid.



110 ml BOTTLE SAMPLER

Accessories to be used together with LPA2 and CML2 counters for the statistical analysis of oils available for 110 ml containers.



500 ml BOTTLE SAMPLER

Accessories to be used together with LPA2 and CML2 counters for the statistical analysis of oils available for 500 ml containers.

CONDITION MONITORING

ICM



The ICM automatically measures and displays particulate contamination, moisture and temperature levels in various hydraulic fluids.

It is designed specifically to be mounted directly to systems, where ongoing measurement or analysis is required, and where space and costs are limited.



AZ2

ATEX Fluid Condition Monitors

- Zone II 3G rated
 - Available in ICM or LPA2 models
 - PLC Control across various communication protocols
 - Supplied Calibrated
-



ACMU

ACMU - Auxiliary Contamination Monitoring Unit

- Wind/Tidal/Wave Energy
 - Gearbox applications
 - Gearbox monitoring
 - Offshore & ship systems
 - Lubrication & Oil systems
-



VPAF

Mobile unit for the measurement and optical display of contamination in oils on 47 mm membranes.

The unit contains equipment for the static and dynamic sampling of oils in hydraulic systems and tanks.

MOBILE FILTRATION UNITS



GRF 15

The GRF 015 is a portable oil transfer/filtration unit, specifically designed for both filling/transferring hydraulic oils from containers to the hydraulic tank as well as filtering and cleaning hydraulic systems.

Flow rate 15 l/min.

Pressure max. 5 bar.

Electrical motor: single phase.



UFM 040

UFM 040 mobile filtration units suitable for filling and refilling of filtered hydraulic fluids and lubrication tanks.

Flow rate 33 l/min.

Pressure max. 5 bar.

Electrical motor: single and 3 phase.



UFM 050

UFM 050 mobile filtration units suitable for filling and refilling of filtered hydraulic fluids and lubrication tanks.

Flow rate 50 l/min.

Pressure max. 10 bar.

Electrical motor: single and 3 phase.

Use 3 phase if continued used is required

Suitable with IN LINE CONTAMINATION MONITOR.



UFM 090 - 180 - 918

UFM 090 – 180 mobile filtration units suitable for filling and refilling of filtered hydraulic fluids and lubrication tanks.

Flow rate 90/180 l/min.

Pressure max. 10 bar.

Electrical motor: 3 phase

UFM 918 two-speed electric motor with programmable

flow of 90 or 180 l / min.

Pressure max. 10 or 6 bar.

Electrical motor: 3 phase

Suitable with IN LINE CONTAMINATION MONITOR.

ACCESSORIES



TA - TAP - SA - SAP

Metal and nylon filler plugs and air filters, filtration from 3 to 40 μ , air flow up to 15000 l/min (4000 gpm).



TKF - TKT - TSD

Nylon oil filler plugs, threaded, for filling hydraulic mini-power pack reservoirs and gearbox units.



LVA - LVU

Oil level gauges with or without incorporated thermometers, tank fitting distances from 76 mm (3 in) to 2000 mm (78.74 in).



LCC - LCP

Circular oil level gauges with BSP and metric thread from 1/2" to 2".

ACCESSORIES

EM1 - SVM 3/6

Threaded and flanged pressure gauge selectors, 1 - 3 - 6 positions.

Glycerine filled pressure gauges, 63 mm (2.48 in) and 100 mm (3.94 in), scale ranges from 25 bar (362 psi) to 600 bar (8702 psi).



FTA - FTR

Vibration-dampened flexible brackets for fitting rigid suction and return pipes on tank cover.

Diameters from 6 mm (0.024 in) to 89 mm (3.5 in).



MULTIFIX

Metal clamps with NBR insert for fitting rigid and flexible pipes. Possibility of single or modular fitting with superimposed pipes.

Diameters from 6 mm (0.024 in) to 50 mm (2 in).



LEN - LEU

Electrical level gauges for tanks.

Single or double float versions with incorporated heat sensor option.



BELL - HOUSING & COUPLING



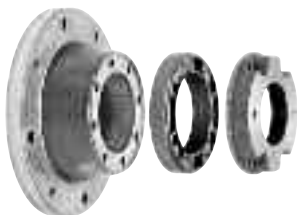
LMC

Monobloc bell-housings for gear pumps, UNEL-MEC electric motors from 0.12 to 22 Kw.



LMC

Monobloc bell-housings for piston, screw and vane pumps, UNEL-MEC electric motors from 0.5 to 45 Kw.



BMT

2 and 3 moduls bell-housings for piston and screw pumps, UNEL-MEC electric motors from 5.5 to 400 Kw.



LMS

Silenced bell-housings for piston and screw pumps, UNEL-MEC electric motors from 0.5 to 200 Kw.

BELL - HOUSING & COUPLING



SGEA - SGEG - SGES

Aluminium, cast iron and steel linkages for power transmission from 0.12 to 400 Kw.



PDMA - SE - OB

10-litre aluminium tank, inspection doors of diameter 275, 350 and 475 mm conforming with DIN 24339 and feet for mounting bell-housings on B3 motors with power range from 0.25 to 22 Kw.



ANMA

Vibration-dampened rings for mounting single pump unit on tank cover, with power range from 0.5 to 22 Kw UNEL-MEC electric motors.

LOOKING AHEAD

Success, flexibility and excellent customer relationships is where it starts for MP Filtri. We strive to exceed our customers' expectations and make it easy to do business with MP Filtri on a worldwide basis.

The consolidation of the branches in the USA, Canada, UK, France, Germany, China & India with sales office in Russia, are proof of MP Filtri resolve to set up an ever more comprehensive network of presences, both in geographical and sectorial terms, with a constant eye to new zones and markets in which to emerge.

MP Filtri guiding principles are never to stop, to aim constantly for innovative, high-quality products, to respect the customer by being ready at all times to respond to his or her demands in terms of both product design and after-sales service and, above all, to base its activities on a team of capable, motivated people with a strong belief in their work and their company.

For more than fifty years, MP Filtri has been present on the hydraulic filtration market with a range of products able to satisfy manufacturers' needs in all areas.

RESEARCH AS A PRIORITY

MP Filtri has always focused on research and development to build some of the best filtration products on the market today.

Whether discussing a new casting or element, the road runs through the MP Filtri laboratory and a litany of testing to ensure product quality and durability.

The laboratory is staffed with over 50 years of experience and stocked with the appropriate equipment to allow us to certify our products to the appropriate ISO standards.

Once the testing is complete, the design is fabricated in our own foundry, machined on our 3 axis or other machine tools, inspected on CMM equipment, coupled with plastic parts from our own injection molding machines, and finally with MP produced elements that are all part of our ISO 9001 certification process.

These products then have application in the Industrial, Mobile and Lubrication markets.

Our products are successfully used in the following market sectors:

- Heavy Industry (Aluminum, Steel, etc.)
 - Machine tools
 - Military
 - Aerospace
 - Off Shore
- Naval Engineering
 - Presses
- Construction
 - Agriculture
 - Oil & Gas
 - Test Benches
 - Pulp & Paper
 - Lubrication
 - Energy