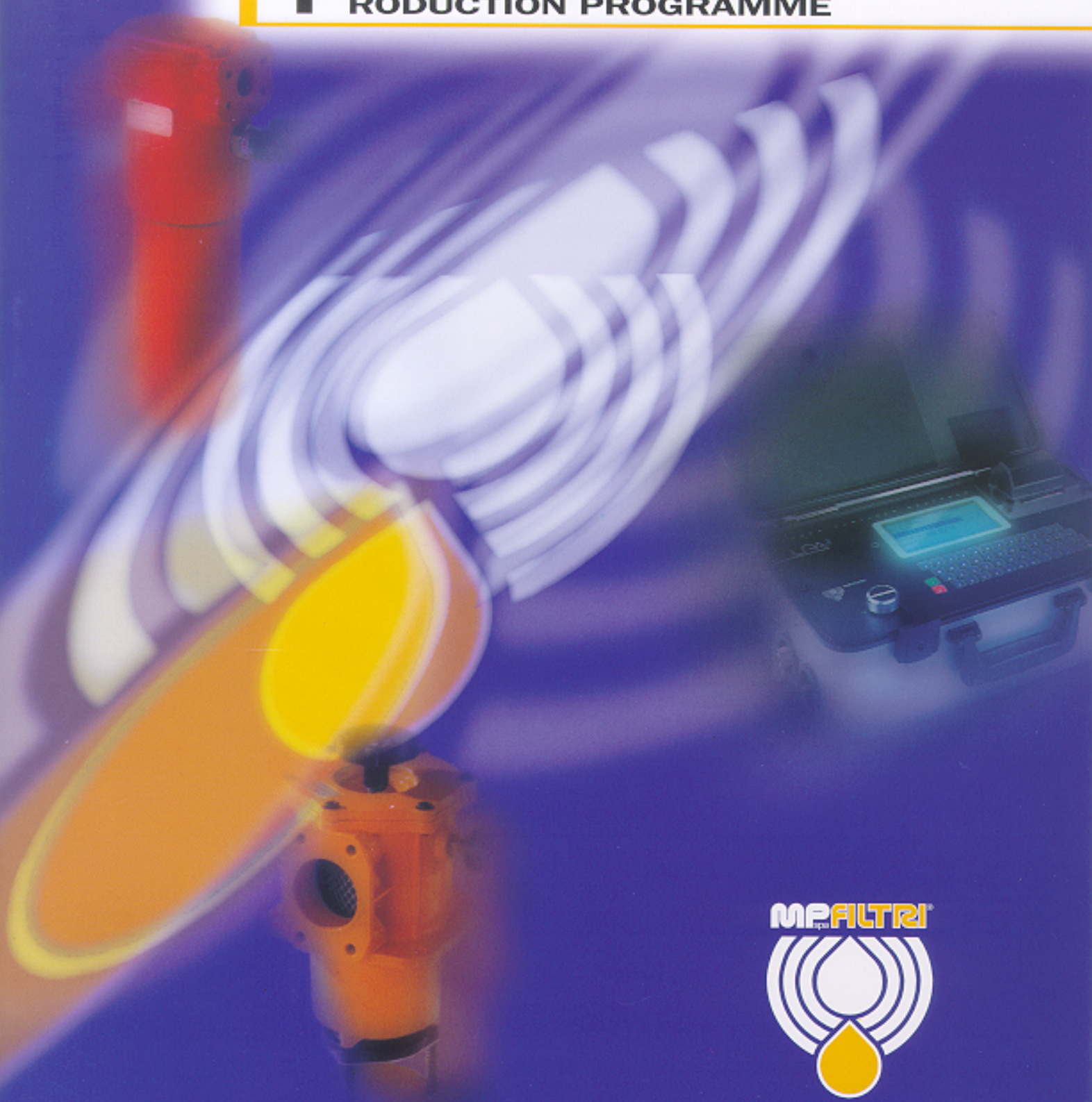


PRODUCTION PROGRAMME



We Know How

MP Filtri - Hydraulic Filtration, second to none ...

We design, develop, manufacture and supply a comprehensive range of hydraulic filters, accessories and a full line of drive component products, for the fluid power industry. We aim to meet all our customers individual requirements.

MP Filtri was founded in Italy by Mr. Bruno Pasotto in 1964. The head office situated in Milan, has subsidiary companies in the USA, Canada, Germany & United Kingdom. The subsidiary companies are fully supported by a worldwide network of distributors.

MP Filtri - The secret to our success...

Filtration Technology

Continual development of our high efficiency elements to meet the cleanliness standards demanded in today's hydraulic systems.

Design & Development

Innovative personnel producing "**Application Oriented**" filtration products via state of the art computer aided design.

Production

As a manufacturing company, our aluminium foundry complete with pressure & gravity die cast machines, combines with our machining company producing the filter and drive component products.

We have our own injection moulding facility and a fully automated filter element production department.

Quality control

Everyone's responsibility. We take the quality commitment seriously - all products are in accordance with the International Quality Standard, ISO 9001.

Service

A corporate philosophy - "...to provide excellent customer service worldwide".

All companies are not the same ...

MP Filtri - leading with a new generation of hydraulic filtration, accessories & drive component products.



MP Filtri Italy



MP Filtri Head Office - Incorporating Research & Development, filter element manufacture, injection moulding facility, filter & accessory assembly and stock holding centre.



Distribution World Wide

MP Filtri Foundry & Machining Company



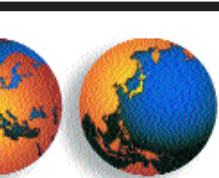
International Subsidiary Companies



MP FILTRI **U.S.A.**



MP FILTRI **Canada**



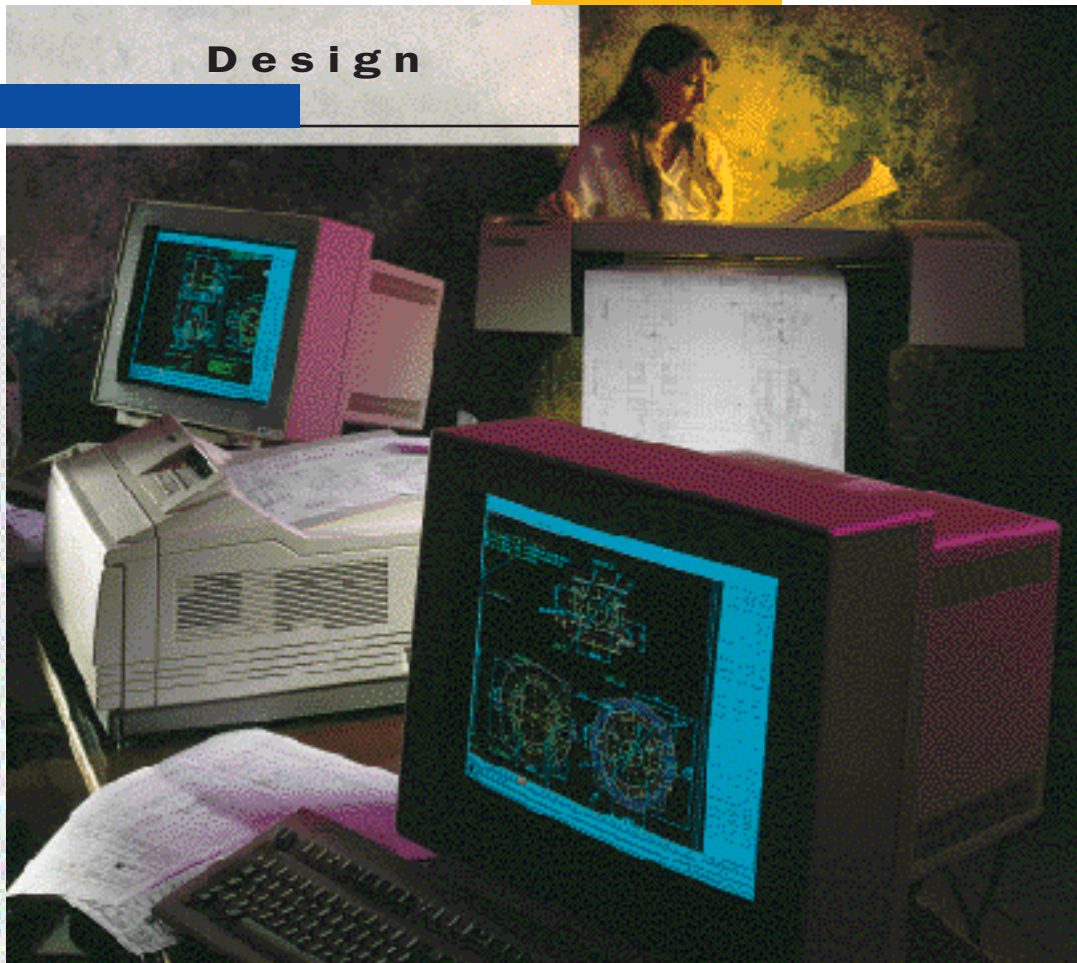
Distribution World Wide

MP FILTRI **Germany**

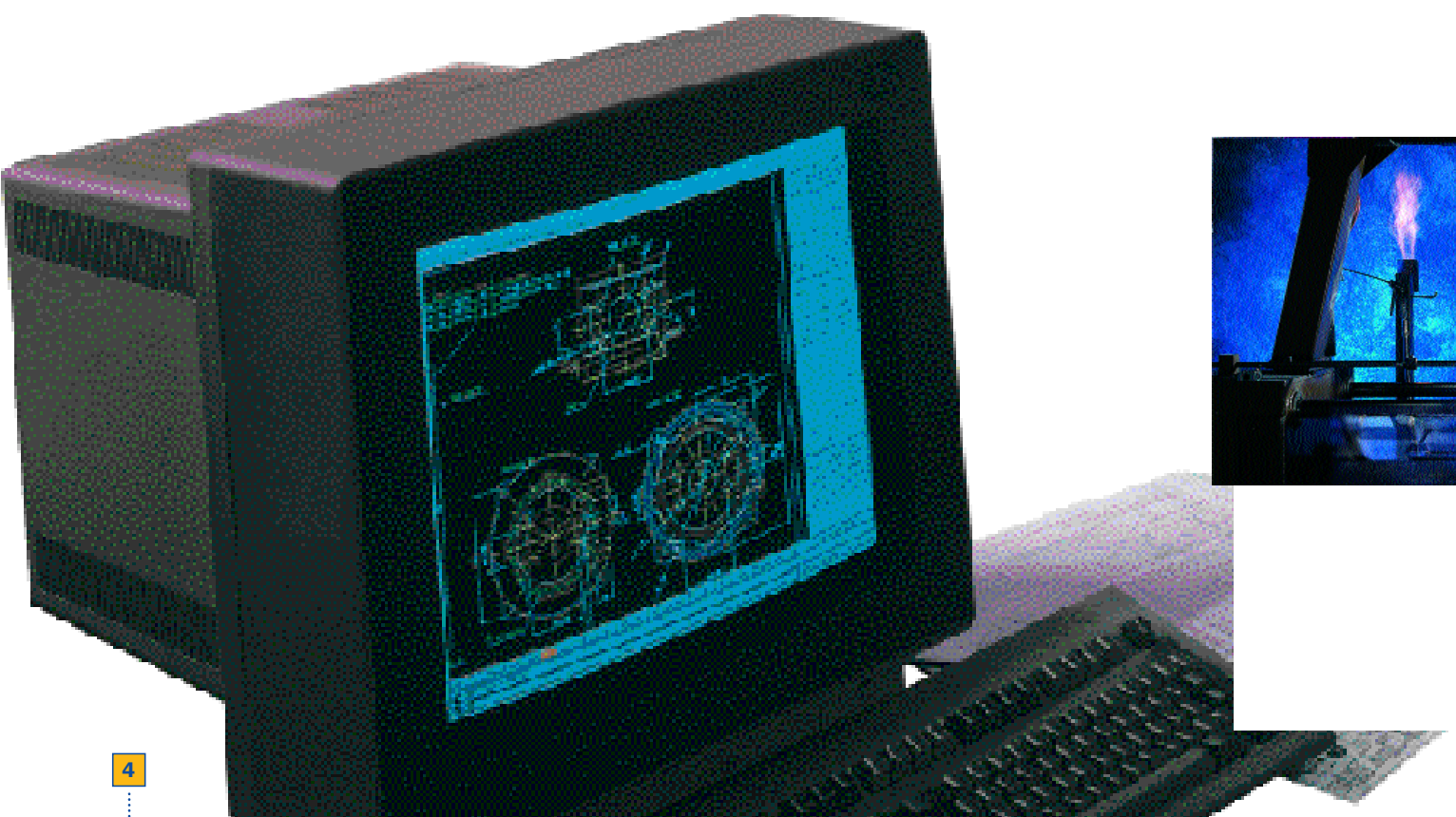


MP FILTRI **UK**

Design



Research & Development. The design Department is the starting point for reliable and innovative products ultimately emerge. We use sophisticated Computer Aided Design software throughout the design process, ensuring to keep development time to a minimum, while at the same time maintaining the quality of the product.



Manufacturing



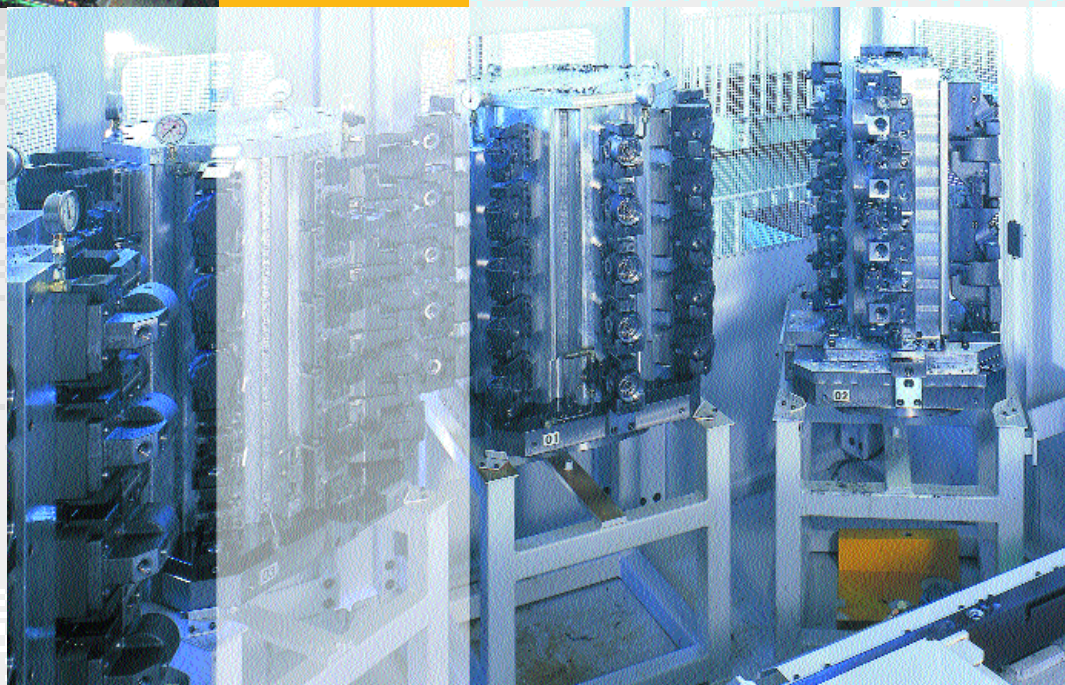
Manufacturing

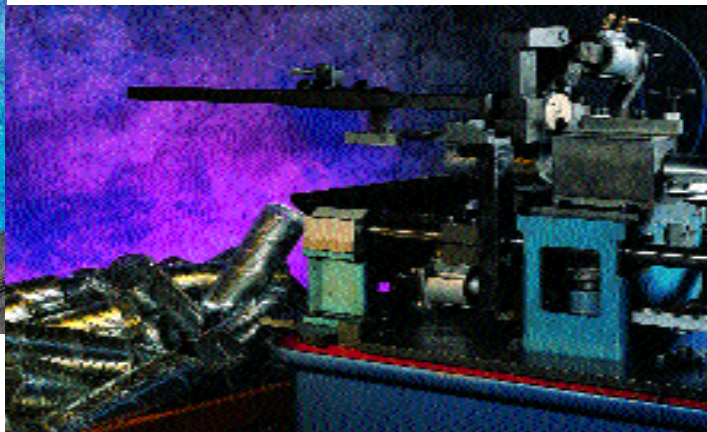
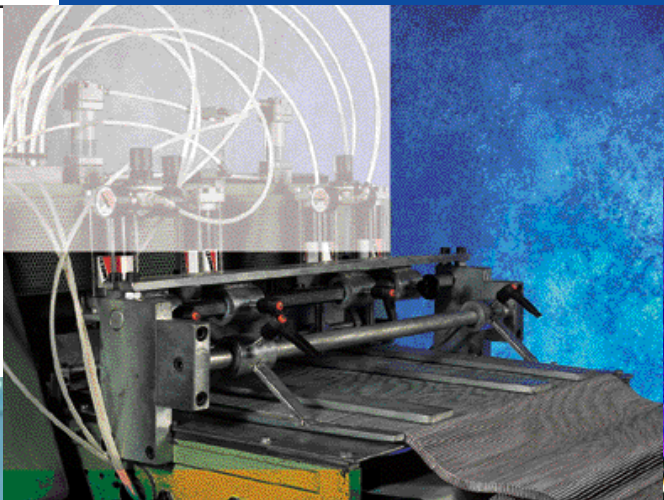
Stock Holding a



Manufacturing.

Our Manufacturing Centre produces finished components from flexible manufacturing cells and computer controlled machine tools.





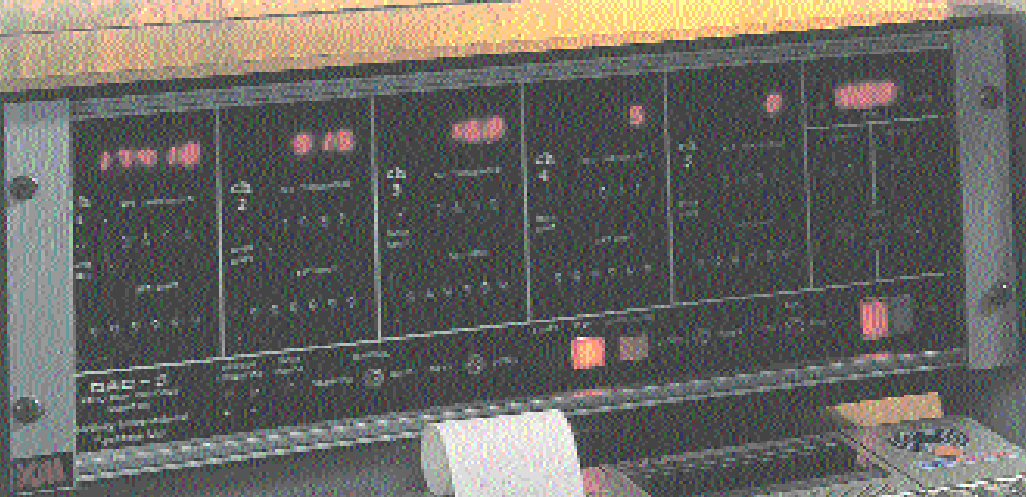
Filter element Manufacture.

Both quality and consistency is essential to this part of the manufacturing process.

We show here our glass fibre element pleating facility and element inner support tube manufacture.



Our extensive raw material stores and finished goods facility.



Customer Service Laboratory

We provide an oil Analysis service
for our customers

MP Filter elements - Conform to the fol

ISO 2941 - Verification of collapse/burst

ISO 2942 - Verification of fabrication int
of the first bubble point.

ISO 2943 - Verification of material comp

ISO 3723 - Method for end load test.

ISO 3724 - Verification of flow fatigue c

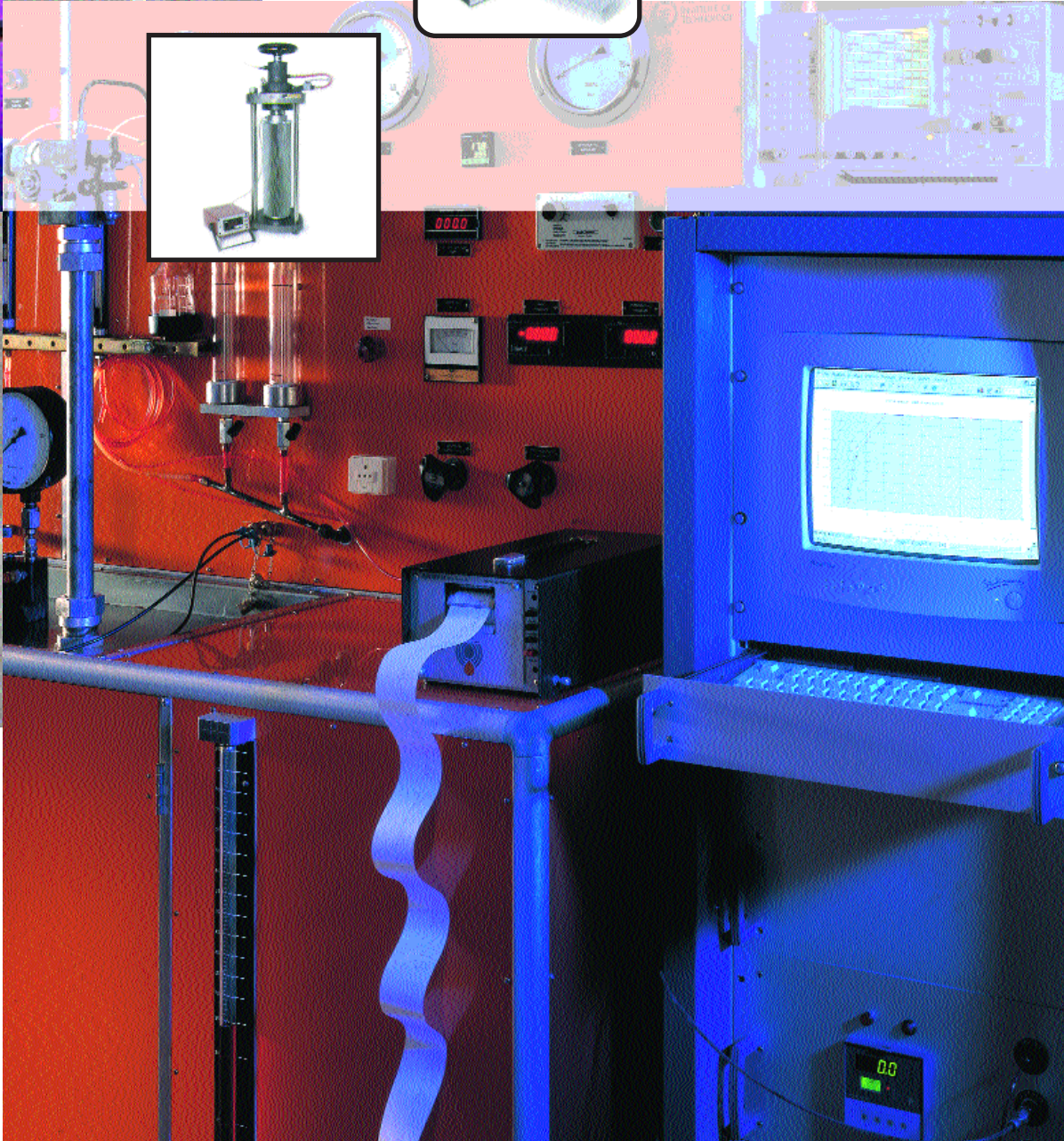
ISO 3968 - Evaluation of pressure drop v

ISO 4572 - Multi-pass method for evalua



Development Laboratory

Our Research & Development laboratories include extensive high pressure and fatigue test rigs to enable International Filtration Standards to be complied with. Our computer controlled Multi Pass Test Rig enables all filters to be tested to ISO4572 Multi Pass Test Standard.



Following ISO standards

test resistance.

integrity and determination

compatibility with fluids.

characteristics.

versus flow characteristics.

rating filtration performance

Filter Element Technology

New Beta > 200 Glass Fibre Absolute Elements. A new generation of MP Filtri elements!

Excellent element design for longer service life and lower operating costs. Beta $x > 200$ rated elements are tested in accordance with International Performance Standards.



KUNGL
TEKNISKA
HÖGSKOLAN

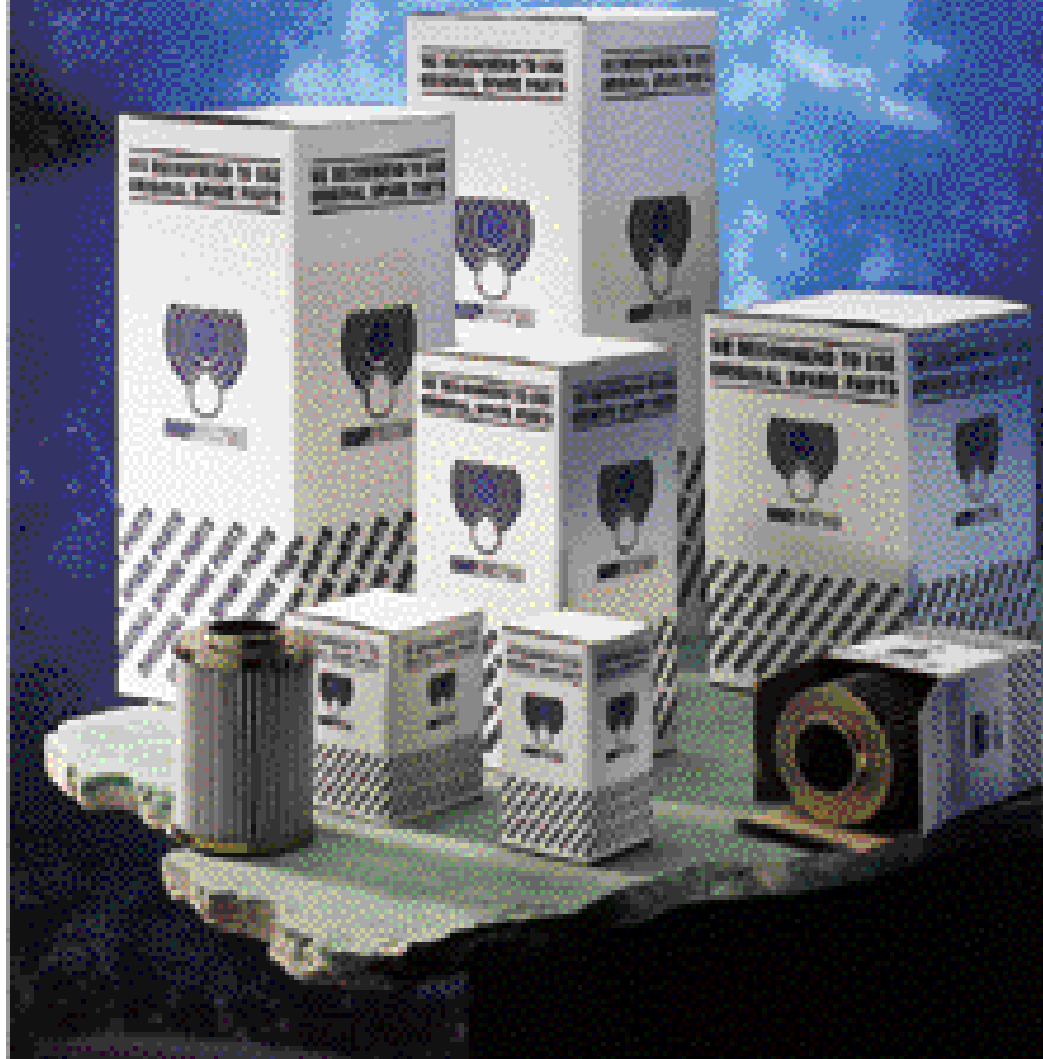
Royal Institute of Technology

Our filter elements have been independently tested by IFTS, Institute of Filtration, France and by the Royal Institute of Technology in Sweden.



From design, development and manufacture, right through to marketing, sales and after sales support, MP Filtri conform to ISO-9001 International Quality Standard.

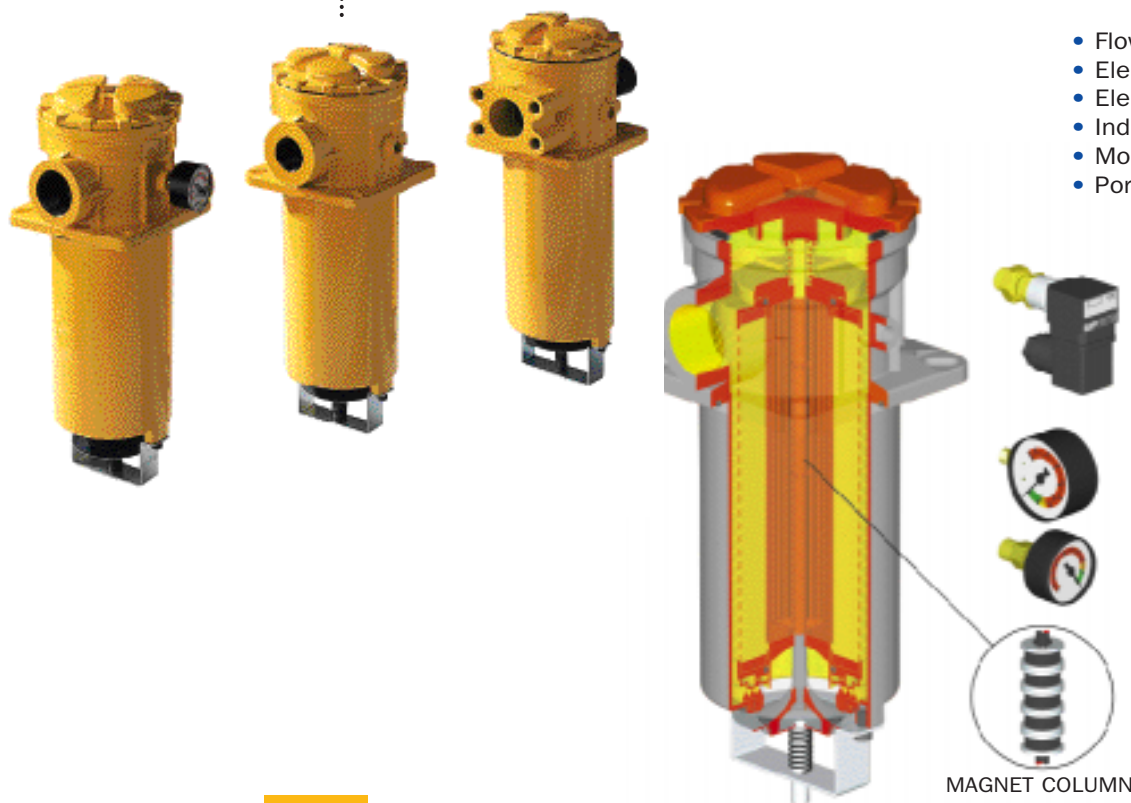
CERT®



Suction Filters

SF2 250 SERIES

- Flow rates: from 10 to 150 L/min
- Element types: 25 to 250 micron
- Element media: cleanable wire mesh
- Indicator: visual or electrical
- Mounting: reservoir side-wall
- Port options: BSP; NPT; SAE flange



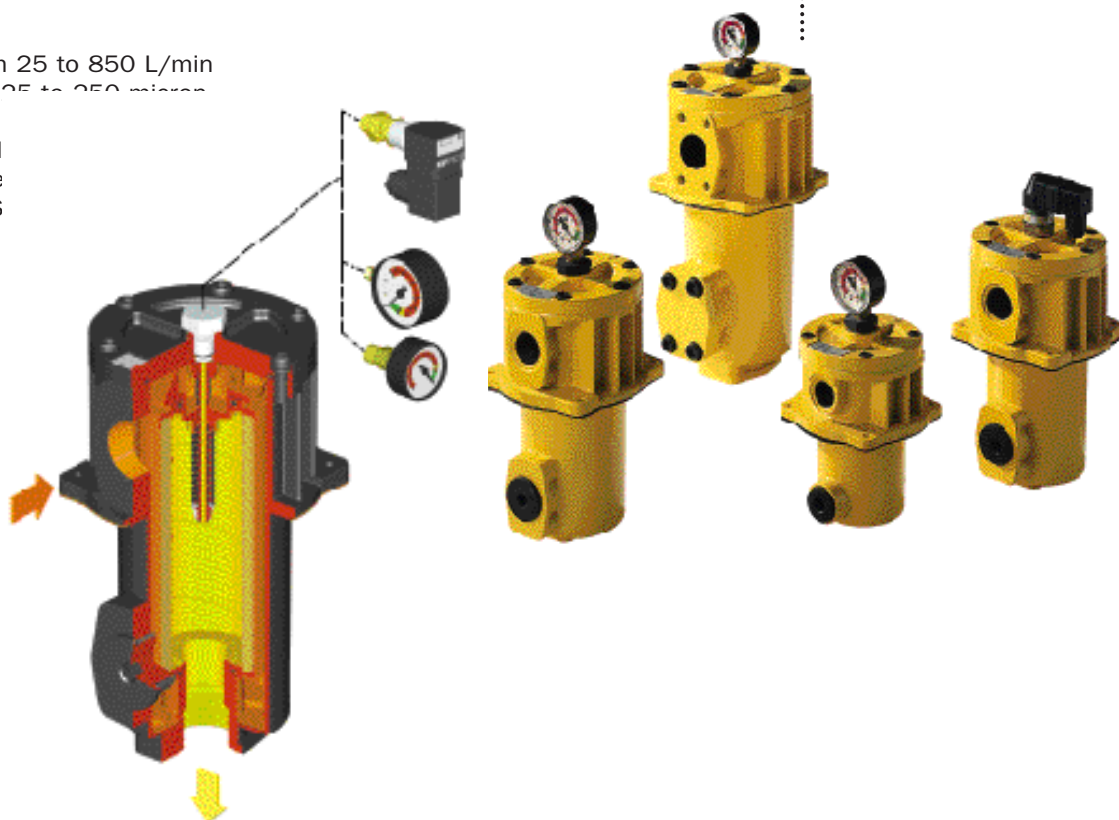
SF2 500 SERIES

- Flow rates: from 50 to 620 L/min
- Element types: 25 to 250 micron
- Element media: cleanable wire mesh
- Indicator: visual or electrical
- Mounting: reservoir side-wall
- Closing valve incorporated within filter assembly
- Port options SAE flange



FAS SERIES

- Flow rates: from 25 to 850 L/min
- Element types: 25 to 250 micron
- Element media:
- Indicator: visual
- Mounting: inline
- Port options BS

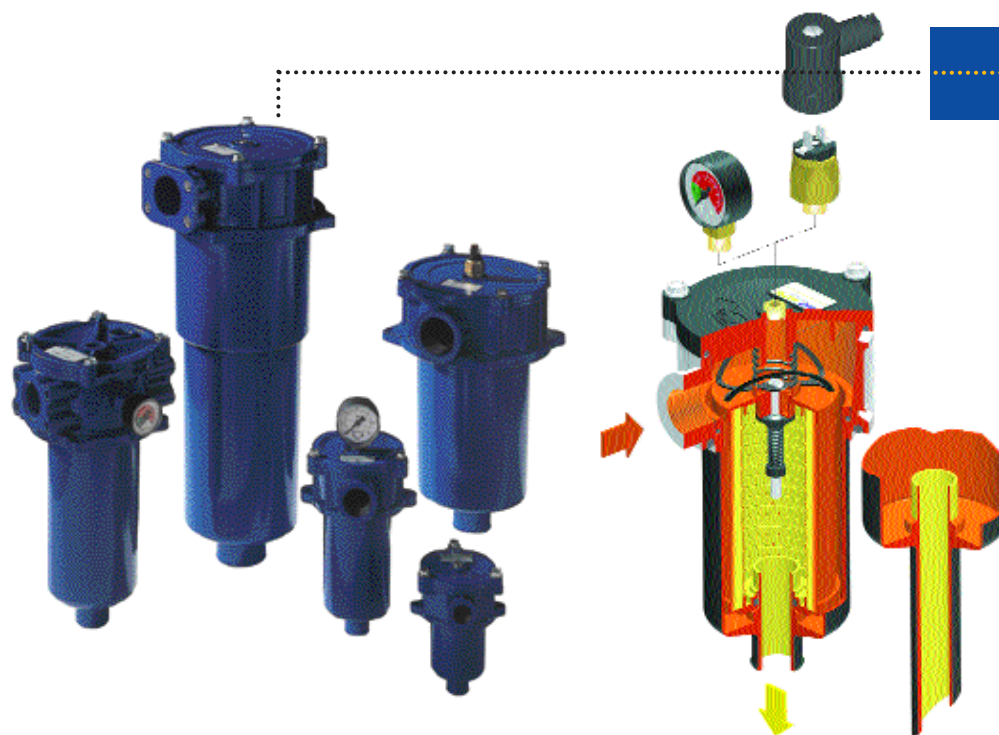


STR SERIES

- Flow rates: from 5 to 600 L/min
- Element types: 60, 90 and 250 micron
- Element media: cleanable wire mesh
- Bypass valve options available
- Mounting: fully immersed in a reservoir
- Port options: BSP or NPT

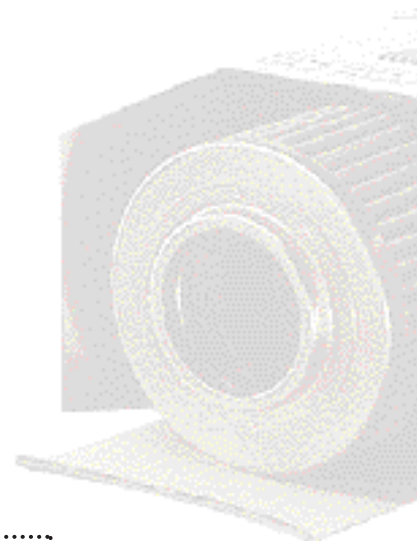


Return Filters



MPF SERIES

- Max working pressure: 3 bar
- Flow rates: from 10 to 800 L/min
- Element types: 3 to 90 micron
- Element media: glass fibre, resin impregnated cellulose or wire mesh
- Indicator: visual or electrical
- Mounting: reservoir mounted
- Port options BSP; NPT; SAE flange

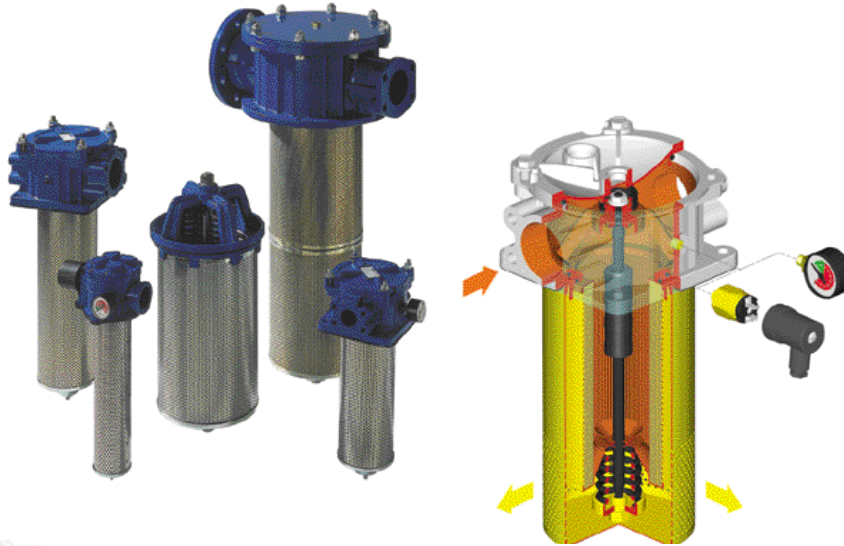


MPT SERIES

- Max working pressure: 7 bar
- Flow rates: from 10 to 150 L/min
- Element types: 3 to 90 micron
- Element media: glass fibre, resin impregnated cellulose or wire mesh
- Indicator: visual or electrical
- Mounting: reservoir mounted
- Port options: BSP; NPT.



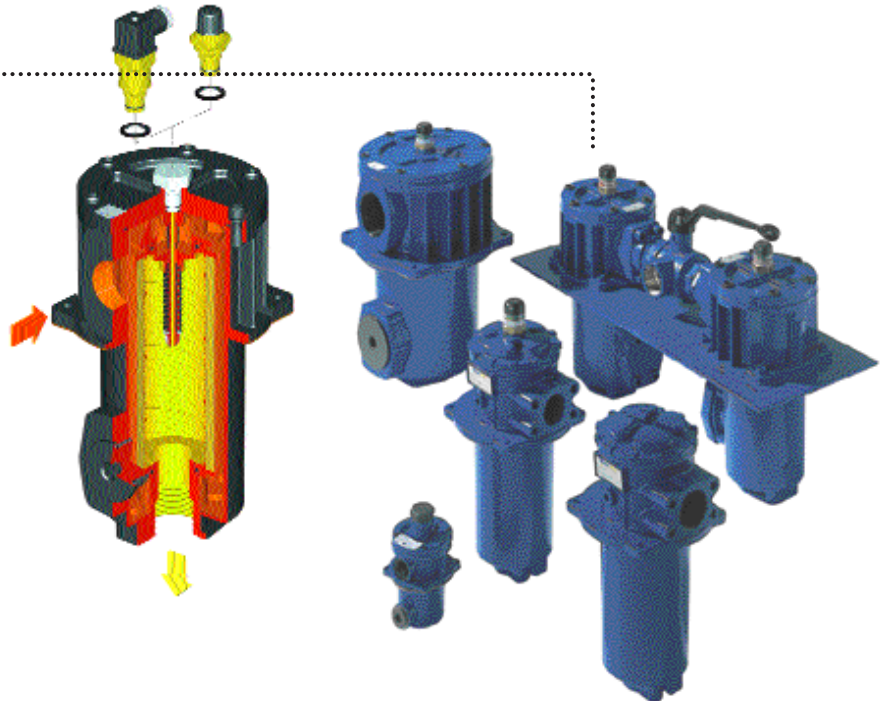
MPH/MPI SERIES



- Max working pressure: 7 bar
- Flow rates: from 50 to 1000 L/min
- Element types: 6 to 90 micron
- Element media: glass fibre, resin impregnated cellulose, wire mesh
- Indicator: visual or electrical
- Mounting: reservoir mounted
- Port options: BSP; NPT; SAE flange

FRI SERIES

- Max working pressure: 20 bar
- Flow rates: from 30 to 1200 L/min
- Element types: 3 to 250 micron
- Element media: glass fibre, resin impregnated cellulose, wire mesh
- Indicator: differential visual, visual/electrical or electrical
- "Thermal Lock-out" electrical indicator option available
- Mounting: reservoir mounted or inline
- Port options: BSP-NPT; SAE flange
- * DUPLEX model also available



MRS SERIES

.....return and suction filter.....

- **MRS100 combination filter**
- Suction filter with suction boost pressure 0.5 bar
- Return filter with internal bypass set at 2.5 bar
- Maximum : Working pressure 10 bar
- Flow rates to 80 L/min
- Element types : 10 and 25 micron
- Element media : glass fibre
- Indicators : visual or electrical
- Mounting : reservoir mounted
- Port options : BSP ; NPT
- Applications : hydrostatic transmission



Low and Medium Pressure Filters

MSH SERIES



- Max working pressure: 35 bar
- Flow rates: from 25 to 300 L/min
- Element types: 3 to 60 micron
- Element media: glass fibre, resin impregnated cellulose or wire mesh
- Indicator: differential visual, visual/electrical or electrical
- "Thermal Lock-out" electrical indicator option available
- Mounting: inline
- Port option: BSP-NPT

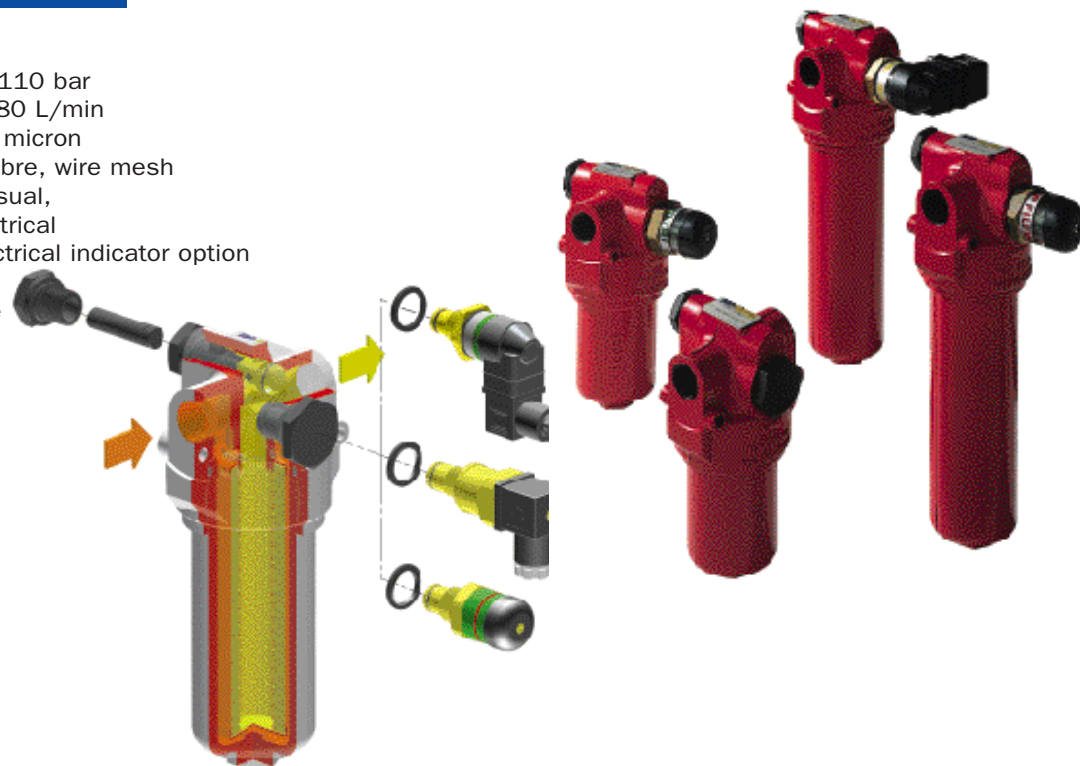
LMP SERIES

- Max working pressure: 35 bar
- Flow rates: from 40 to 1000 L/min
- Element types: 3 to 250 micron
- Element media: glass fibre, resin impregnated cellulose or wire mesh
- Indicator: differential visual, visual/electrical or electrical
- "Thermal Lock-out" electrical indicator option available
- Mounting: inline
- Port options: BSP-NPT; SAE flange



FMP037 SERIES

- Max working pressure: 110 bar
- Flow rates: from 20 to 80 L/min
- Element types: 3 to 60 micron
- Element media: glass fibre, wire mesh
- Indicator: differential visual, visual/electrical or electrical
- "Thermal Lock-out" electrical indicator option available
- Mounting: pressure line
- Port options: BSP-NPT



Duplex In line filter

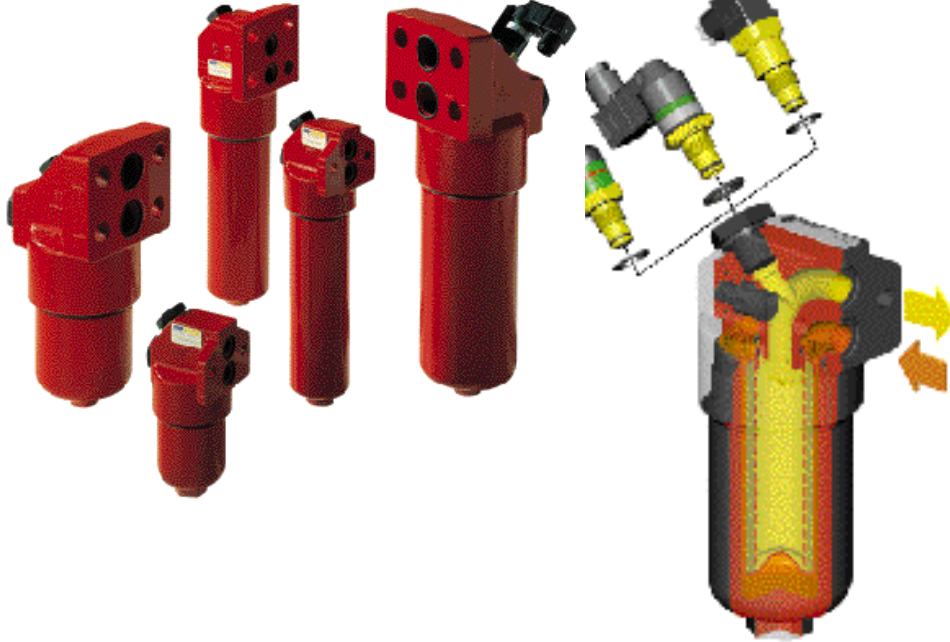


MPD SERIES

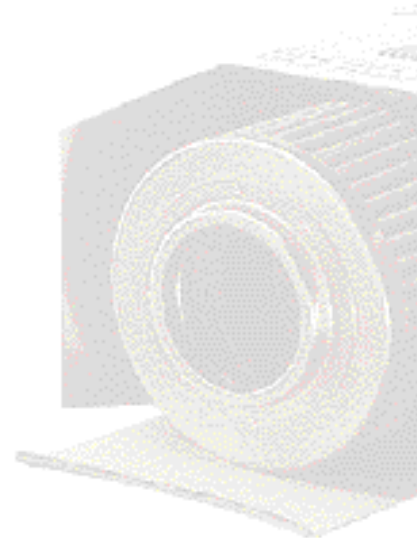
- Max pressure: 15 bar
- Flow rates: from 5 to 150 L/min
- Element types: 3 to 25 micron
- Element media: glass fibre, resin impregnated cellulose or wire mesh
- Indicators: differential visual, visual/electrical or electrical
- "Thermal Lock-out" electrical indicator option available
- Mounting: in line
- Port options: BSP, NPT

Medium & High Pressure Filters

FHB SERIES

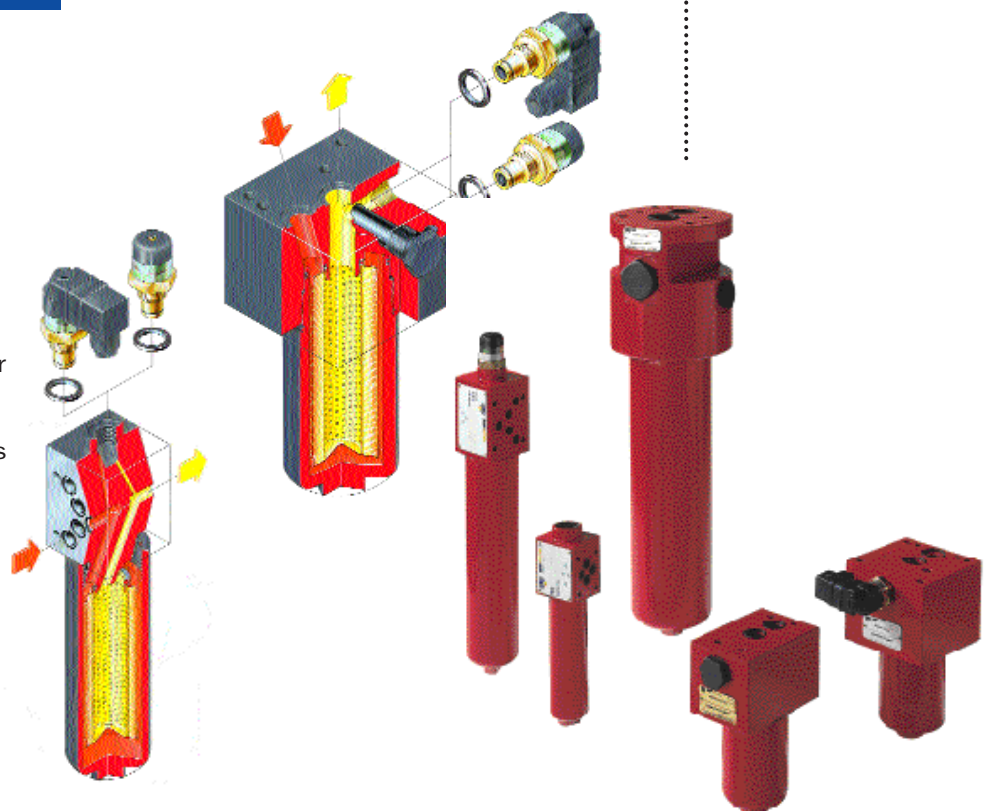


- Max working pressure: 320 bar
- Flow rates: from 5 to 350 L/min
- Element types: 3 to 60 micron
- Element media: glass fibre, wire mesh or stainless mesh
- Indicators: differential visual, visual/electrical or electrical
- "Thermal Lock-out" electrical indicator option available
- Mounting: Side manifold mounting



FHM SERIES

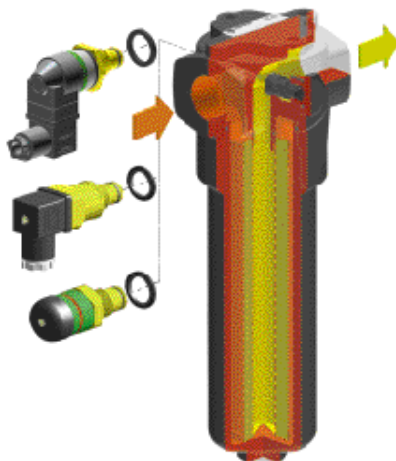
- Max working pressure: 320 bar
- Flow rates: from 5 to 350 L/min
- Element types: 3 to 60 micron
- Element media: glass fibre wire mesh or stainless mesh
- Indicators: differential visual, visual/electrical or electrical
- "Thermal Lock-out" electrical indicator option available
- Mounting: Manifold Mounted
- Port options: pressure line designed for NG 6 (CETOP 03), or NG10 (CETOP 05) manifold interface
- Top mounted manifold interface options



FMP

SERIES

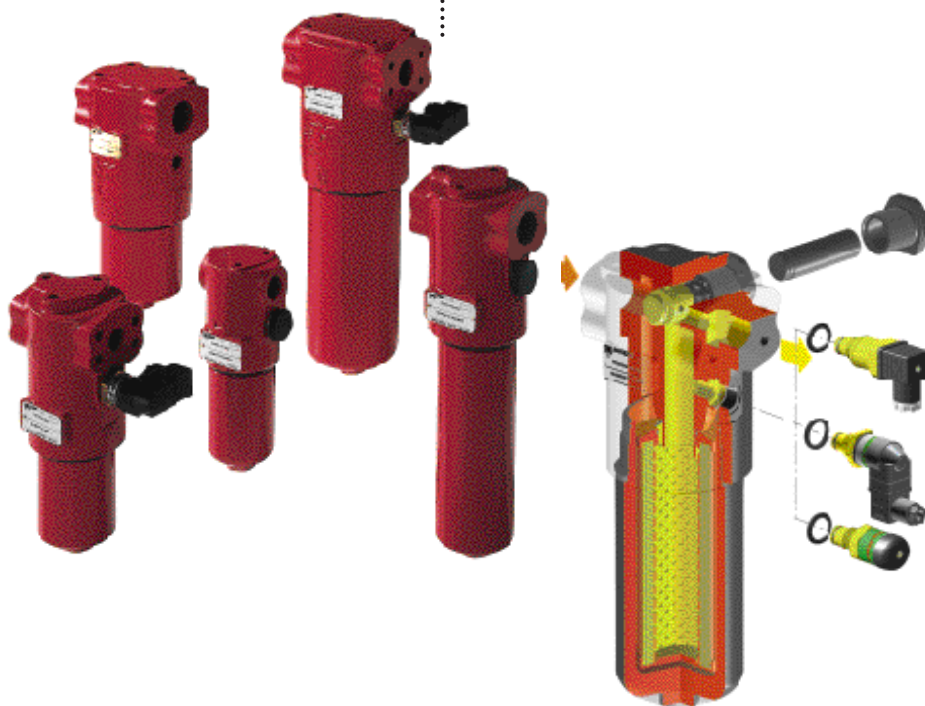
- Max working pressure: 250 bar
- Flow rate: from 20 to 150 L/min
- Element types: 3 to 60 micron
- Element media: glass fibre or wire mesh
- Indicators: differential visual, visual/electrical or electrical
- "Thermal Lock-out" electrical indicator option available
- Mounting: pressure line
- Port options: BSP-NPT



FHP

SERIES

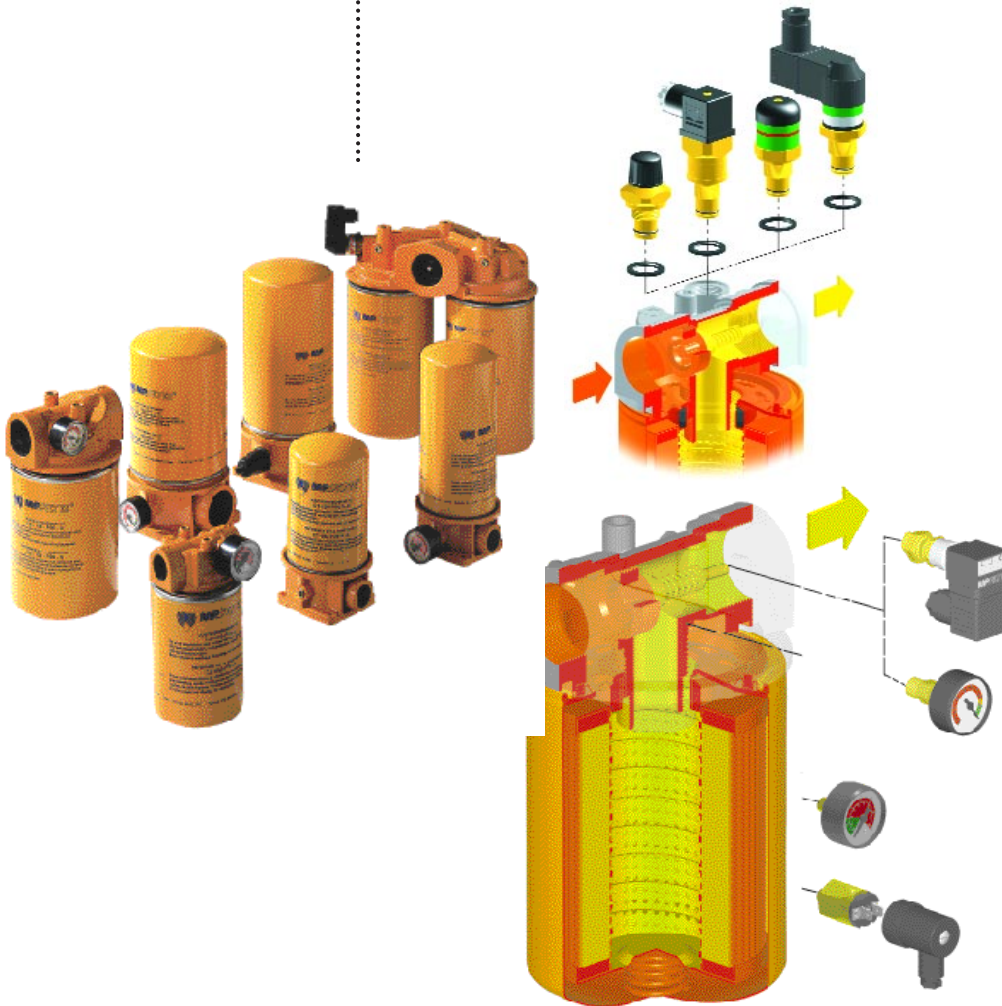
- Max working pressure: 420 bar
- Flow rates: from 20 to 420 L/min
- Element types: 3 to 60 micron
- Element media: glass fibre, wire mesh or stainless mesh
- Indicators: differential visual, visual/electrical or electrical
- "Thermal Lock-out" electrical indicator option available
- Mounting: pressure line
- Port options: BSP-NPT; SAE flange



Spin-on Filters

MPS/MST SERIES

Suction and return line application



MPS-INLINE

- Max working pressure: 12 bar
- Flow rates: from 25 to 300 L/min
- Element types: 3 to 90 micron
- Element media: glass fibre, resin impregnated cellulose or wire mesh
- Indicator: visual or electrical
- Mounting: inline
- Port option: BSP; NPT; SAE flange

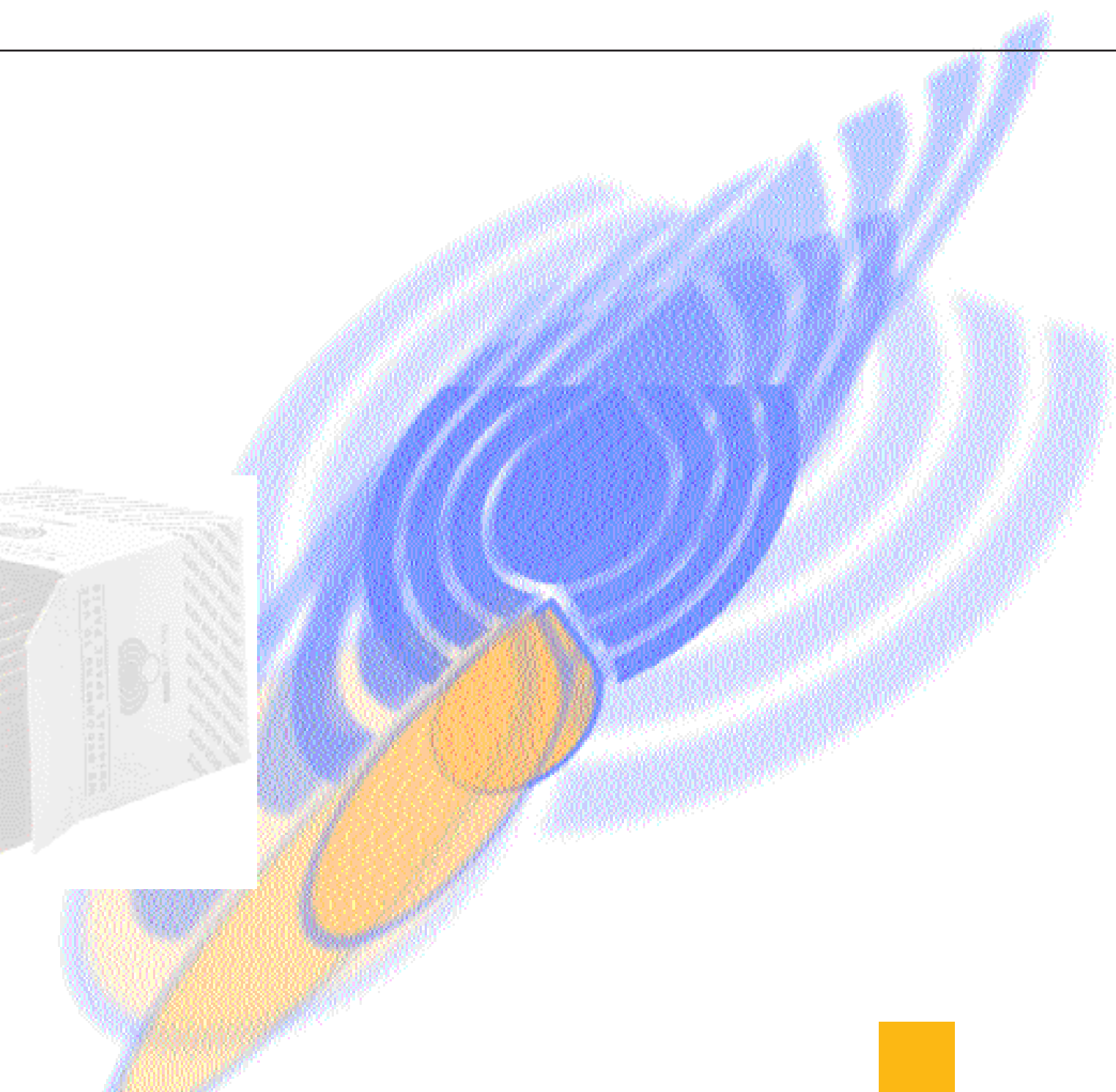
MST-TANK MOUNTED

- Max working pressure: 12 bar
- Flow rates: 25 to 350 L/min
- Element types : 3 to 90 micron
- Element media: glass fibre, resin impregnated cellulose or wire mesh
- Indicator: visual or electrical
- Mounting: return line fitted to reservoir cover
- Port option: BSP-NPT

GRF Units

OFF - LINE FILTRATION UNITS

- Compact and lightweight units
- Wide range of filtration media
- Water removal element options
- Easy to use and service



Accessories

Filler breather filters



- Flow rates: to 1200 L/min
- Element media: resin impregnated cellulose
- Reservoir Mounting: with various options
- Internal pressurisation valves available

• High capacity air breather filters

- Flow rates: to 6000 L/min
- Element media: glass fibre or resin impregnated cellulose
- Reservoir fixings: weld on flange or BSP options

Breathers and plugs

- Filler plugs complete with breather
- Filler plugs with pressure valves
- Filling and drain plugs
- Magnetic drain plugs and magnetic probes



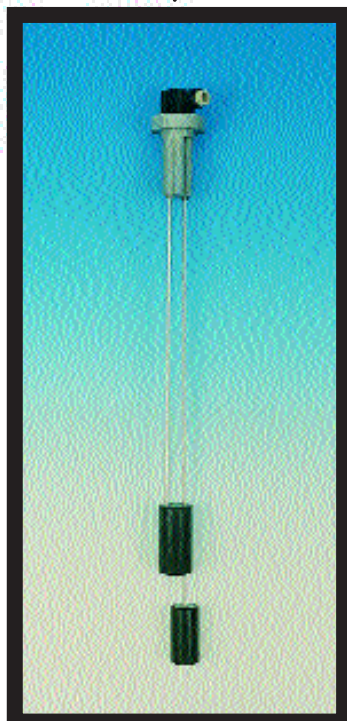
Level gauges

- Standard range from 76mm to 254mm
- Extended range 0.5m to 2m centres
- Bulls eye circular gauges in plastic and aluminium with various mounting thread options



other Accessory products

- Electromagnetic level indicators
- Temperature plugs
- Suction and return flanges for reservoir applications



Accessories

Pressure Gauges and Isolator valves



Pressure Gauges

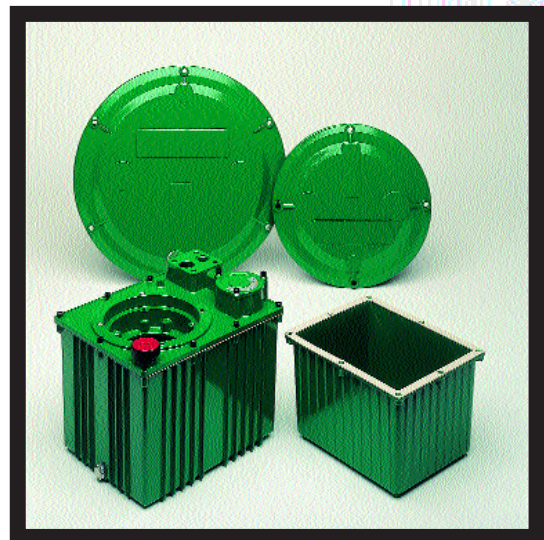
- Quality range of 63 and 100 mm DIA
- Glycerine Filled Gauges
- Stainless Steel Construction

Gauge Isolator Valves

- Single and Multi Station Models
- 400 bar Working Pressure

Oil Tanks and Access Covers

- Oil Tanks
- Cast Aluminium
- Capacities up to 70 litres
- Optional System - Top Cover Suitable For Mini Power Packs (Includes - Bell Housing, Filter, Breather, Manifold)
- Tank Access Covers
- Aluminium Alloy
- 2 sizes - 350 and 475mm DIA to DIN 24339



Monobloc Design - Bell Housing

- The economic solution for standard applications
- Aluminium alloy Bell Housings to suit flanged electric motors (0.25 to 15 KW) to gear and vane pumps
- Drive couplings - manufactured in aluminium alloy with a polyurethane transmission element. Supplied fully machined

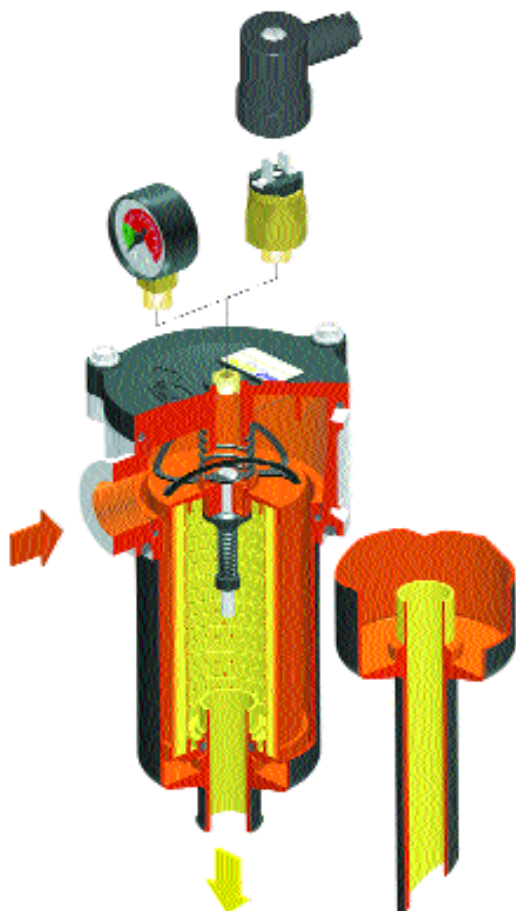


Modul3 - Bell Housing

- The ideal solution for distributors and manufacturers of non-standard equipment; just a few components enable you to make a wide range of couplings.
- The bell housings are of modular design and robustly constructed in aluminium alloy
- These can be used to suit flanged electric motors (rated between 0.06 and 400 Kw (4 pole) with any type of hydraulic pump)
- COUPLINGS have aluminium alloy or cast-iron drive hubs and a polyurethane transmission element. They are supplied machined and ready for fitting
- Foot brackets are available for external assembly, for power outputs of up to 90 Kw, in cases where an electric motor is used with the flange only



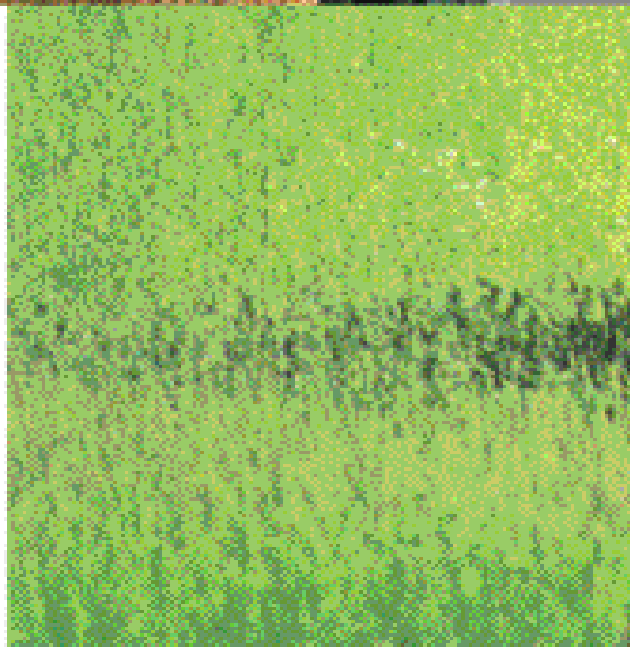
Agricultural Machinery - Applications



- Tank mounted return line filters
- Medium pressure filters
- Spin-on filters
- Reservoir accessory products

MP products are used extensively in the agricultural sector of the market place.

The following products are particularly suited to these applications.



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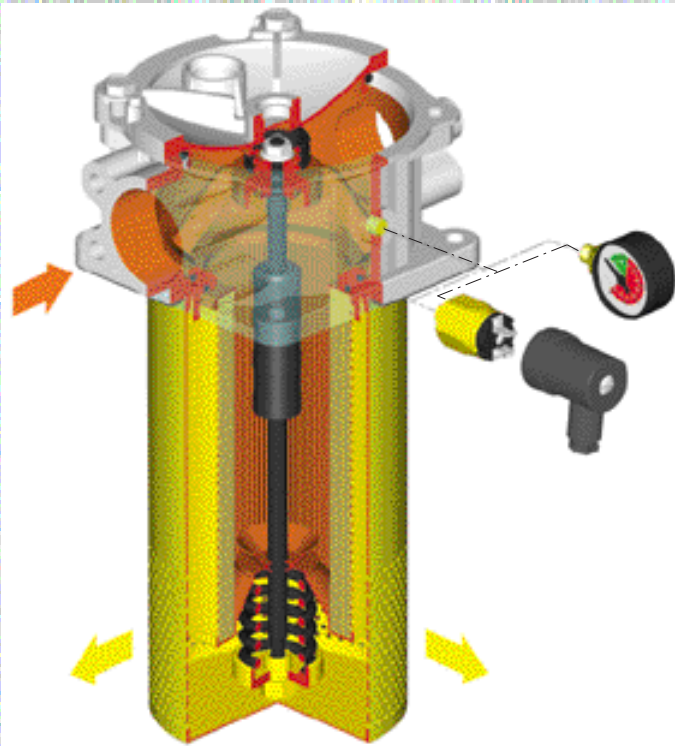


Mobile & Construction Machinery - Application

MP products provide the necessary
of contamination control

for machines in both the mobile
& construction market place.

The following products are particular
suited to these specific applications



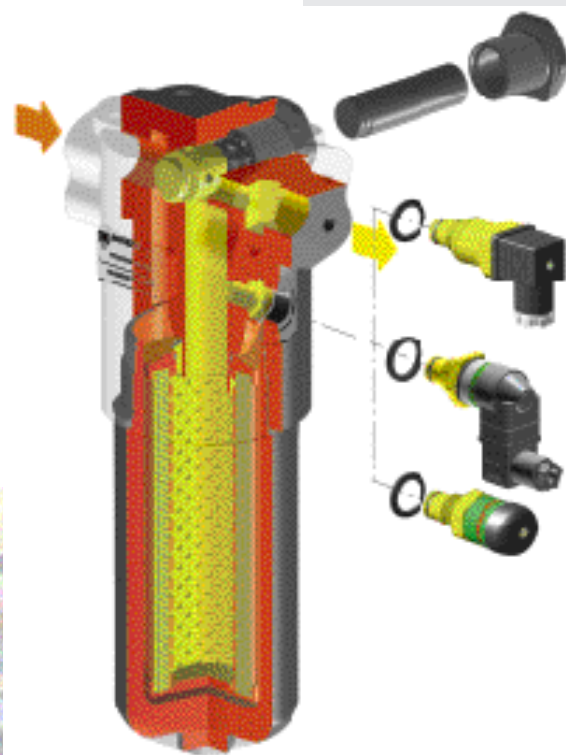
- Tank mounted and in-line return filters
- High & medium pressure filters
- Spin-on filters
- Reservoir accessory products



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Industrial & Mechanical Handling - Applications

Effective, reliable and efficient filtration products are essential to ensure maximum productivity is maintained in this high technology sector of the hydraulics marketplace.



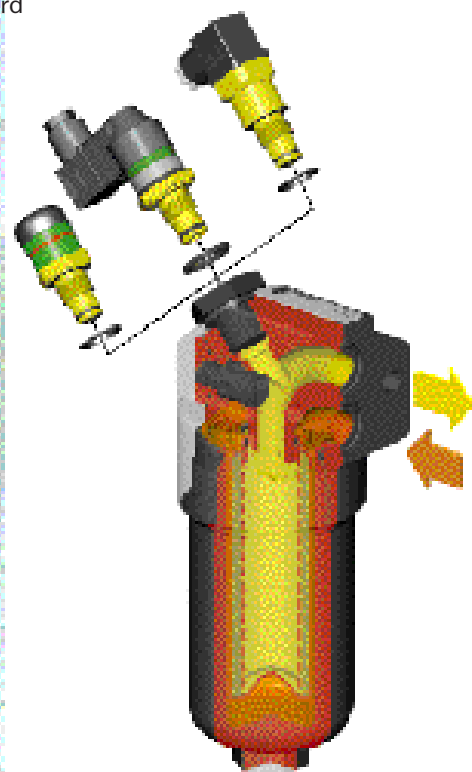
The following products are particularly well suited to these specific applications

- **Suction filters**
- **Return line filters**
- **Pressure filters**
- **Reservoir accessory products**
- **Bell Housing and Coupling Components**





MP Filtri products are specified on many industrial & mechanical handling applications ensuring that the system cleanliness standard is achieved and maintained.



**In the most demanding applications and environments,
MP Filtri's products are specified world-wide**



The Future.

Continual investment in design, development, manufacturing sales and service .

In short, business as usual !



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