

# FILTRATION SYSTEMS

THE **X** AND **Z** CONCEPTS

**MYCLEAN**

&

**zerospark<sup>®</sup>**

THE ANTI-STATIC FILTERS



PASSION **T** PERFORM



## PROTECT LIFE AND PERFORMANCE OF YOUR MACHINE BY ONLY USING ORIGINAL SPARE PARTS!

- Protects the machine from improper use of non-original products
- The value of the machine is the right functionality of its hydraulic system
- Helps OEMs to increase RELIABILITY and PROFIT


# THE X CONCEPT FOR OUR FILTERS

Protect the performance of your system with MYclean. Quality and efficiency are fundamental for MP Filtri: this exclusive new filter element possesses polygon shape geometry and specific seal that ensures only original spare parts can be used - ensuring correct operation and higher system reliability.




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<p>Return Filters</p> <p><b>MPFX</b></p> <p>MFx Filter element</p> 	<p>Hi Pressure Filters</p> <p><b>FMMX</b></p> <p>HPx Filter element</p> 
<p>Return Filters</p> <p><b>MPLX</b></p> <p>MLx Filter element</p> 	<p>ELIXIR® Return Filters</p> <p><b>RFEX</b></p> <p>FEX Filter element</p> 
<p>Return Filters</p> <p><b>MPTX</b></p> <p>MFx Filter element</p> 	<p>ELIXIR® Suction Filters</p> <p><b>SFEX</b></p> <p>FEX Filter element</p> 
<p>Return Filters</p> <p><b>MFBX</b></p> <p>MFx Filter element</p> 	<p>ELIXIR® Low &amp; Medium Pressure Filters</p> <p><b>LFEX</b></p> <p>FEX Filter element</p> 
<p>Suction/Return Filters</p> <p><b>MRSX</b></p> <p>RSx Filter element</p> 	<p>ELIXIR® Low &amp; Medium Pressure Filters</p> <p><b>HFEF</b></p> <p>FEX Filter element</p> 



Return Filters  
**MPFX**  
MFx Filter element



Return Filters  
**MFBX**  
MFx Filter element

FILTER SERIES NAME	FILTER ELEMENT NAME
SFEX	Suction filters ELIXIR® FEX
RFEX	Return filters ELIXIR® FEX
MPFX	Return filters MFx
MPLX	Return filters MLx
MPTX	Return filters MFx
MFBX	Return filters MFx
MRSX	Return/Suction filters RSx
LFEX	Low Pressure filters ELIXIR® FEX
HFEF	Low Pressure filters ELIXIR® FEX
FMMX	High Pressure filters HPx
FMMX	High Pressure ATEX Filters HPx
FZP	Stainless Steel ATEX Filters HP
FZH	Stainless Steel ATEX Filters HP
FZX	Stainless Steel ATEX Filters HP



**TO ENSURE MACHINE RELIABILITY, QUALITY AND EFFICIENCY, THE FILTER ELEMENT IS THE COMPONENT TO BE REPLACED!**

## THE Z ANTISTATIC CONCEPT FOR OUR FILTERS

**zerospark®**  
THE ANTI-STATIC FILTERS

Zerospark® is a specialist solution designed to solve the problem of electrostatic discharge inside hydraulic filters. Caused by the electrical charge build-up due to the passage of oil through the filters, this can result in damage to filter elements, oils and circuit components. It can even cause fire hazards in environments where flammable materials are present.

Return Filters

**MPTX**

MFX Filter element

Hi Pressure Filters

**FMMX**

HPX Filter element

High Pressure Filters for potentially explosive atmosphere

**FMMX**

HPX Filter element

**zerospark®** filter element is the default concept for all MP Filtri's ATEX products intended for use in potentially explosive atmospheres

High Pressure Filters for potentially explosive atmosphere

**FMMX**

HPX Filter element

Stainless Steel Filters for potentially explosive atmosphere

**FZP**

HP Filter element

Stainless Steel Filters for potentially explosive atmosphere

**FZH**

HP Filter element

Stainless Steel Filters for potentially explosive atmosphere

**FZX**

HP Filter element

**MYCLEAN** FILTER ELEMENT

**zerospark®** FILTER ELEMENT  
THE ANTI-STATIC FILTERS

✓	-
✓	-
✓	OPTION
✓	-
✓	OPTION
✓	OPTION
✓	-
✓	-
✓	-
✓	OPTION
✓	✓
-	✓
-	✓
-	✓

# FILTER ELEMENTS

Different options of filter elements with the MyClean and Zerospark® concepts

**MYCLEAN**



**STANDARD DESIGN**



**CUSTOM DESIGN**

**zerospark®**  
THE ANTI-STATIC FILTERS



**ZEROSPARK® DESIGN**

## END CAPS

MFX  
RSX  
MLX



HEXAGON LARGE



OCTAGON

FEX  
HPX



Custom polygonal shapes and colors

**MYCLEAN**

+

**zerospark®**  
THE ANTI-STATIC FILTERS



**MYCLEAN+ZEROSPARK® DESIGN**

**MYCLEAN** is an exclusive MP FILTRI design protected by one or more of following patents:

ITALIAN PATENT  
n° 102014902261205

CANADIAN PATENT  
n° 2,937,258

EUROPEAN PATENT  
n° 3 124 092 B1

US PATENT  
n° 20170030384 A1



**zerospark®** is an exclusive MP FILTRI design with registered trademark



# Hydraulic Fluid Contamination is the cause of most failures



The Massachusetts Institute of Technology - M.I.T. Boston (US) have established, according to the study made by Dr. E. Rabinowicz, that the presence of solid particles in the hydraulic fluid is the most important factor influencing the reliability and life of fluid systems.

Between **70% and 80%** of all hydraulic and lube oil system failures are the direct results of fluid contamination!

In all hydraulic fluid power systems, power is transmitted and controlled through a fluid under pressure within an enclosed circuit. This liquid is both a lubricant and a power transmitting medium. The presence of solid contaminant particles in the liquid inhibits the ability of the hydraulic fluid to lubricate and causes wear to the components. The extent of contamination in the fluid has a direct bearing on the performance and reliability of the system.



## APPLICATIONS

### MOBILE EQUIPMENT

Agriculture & Forestry

Construction

Materials handling

Waste disposal



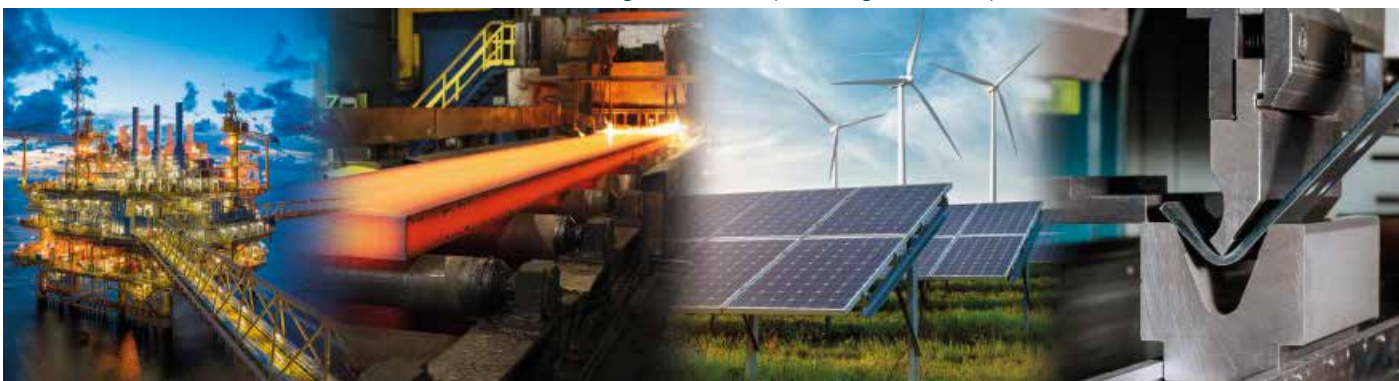
### INDUSTRIAL

Marine & Offshore

Steel plant & Metal Processing

Power Generation (including renewable)

Forming machines



# WORLDWIDE NETWORK

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

A world map in shades of blue with several yellow location markers. A prominent marker in Italy is labeled 'HQ ITALY' and has a white signal icon above it. Other markers are located in North America, Europe, the Middle East, and Southeast Asia.

HQ  
ITALY



PASSION  PERFORM

in   



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