

# FILTRATION SYSTEMS

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

**MY CLEAN**

&  
**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.



Return Filters

**MPFX**

MFX Filter element



Hi Pressure Filters

**FMMX**

HPX Filter element



Return Filters

**MPLX**

MLX Filter element



**ELIXIR**

Return Filters

**RFEX**

FEX Filter element



Return Filters

**MPTX**

MFX Filter element



**ELIXIR**

Suction Filters

**SFEX**

FEX Filter element



Return Filters

**MFBX**

MFX Filter element



**ELIXIR**

Low & Medium Pressure Filters

**LFEX**

FEX Filter element



Suction/Return Filters

**MRSX**

RSX Filter element



Return Filters

**MPFX**

MFX Filter element



Return Filters

**MFBX**

MFX Filter element

FILTER SERIES NAME	FILTER ELEMENT NAME
<b>SFEX</b> Suction filters ELIXIR	FEX
<b>RFEX</b> Return filters ELIXIR	FEX
<b>MPFX</b> Return filters	MFX
<b>MPLX</b> Return filters	MLX
<b>MPTX</b> Return filters	MFX
<b>MFBX</b> Return filters	MFX
<b>MRSX</b> Return/Suction filters	RSX
<b>LFEX</b> Low Pressure filters ELIXIR	FEX
<b>FMMX</b> High Pressure filters	HPX
<b>FMMX</b> High Pressure ATEX Filters	HPX
<b>FZP</b> Stainless Steel ATEX Filters	HP
<b>FZH</b> Stainless Steel ATEX Filters	HP
<b>FZX</b> 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® 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.

**zerospark®**  
THE ANTI-STATIC FILTERS



**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



MY CLEAN 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

HEXAGON LARGE



**MF  
RSX  
MLX**

OCTAGON



**FEX  
HPX**

Custom polygonal shapes and colours

**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° 16181725.9

US PATENT  
n° 15/224,337



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

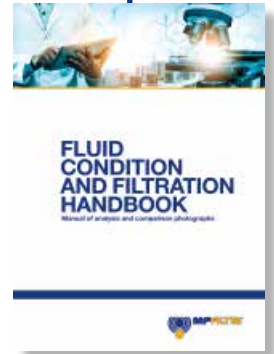


# Hydraulic Fluid Contamination is the cause of most failures



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



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