

# FILTRATION SYSTEMS

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

**MY**CLEAN

&  
**zerospark**<sup>®</sup>  
THE ANTI-STATIC FILTERS



PASSION **T** PERFORM



## THE VALUE OF THE MACHINE ALSO LIES IN THE CORRECT FUNCTIONING OF ITS LUBRICATION SYSTEM. THEREFORE, BY USING ONLY ORIGINAL SPARE PARTS:

- you protect the machine from malfunctions caused by the improper use of non-original products
- you help machine manufacturers and users to increase the **RELIABILITY** and **EFFICIENCY** of their machines in order to maximise their **PROFITS**.

## 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.

**MYCLEAN**

8

### Return Filters

#### **MPFX**

MFX Filter element



### High 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		FILTER ELEMENT
<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

**MYCLEAN**

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

## zerospark® THE ANTI-STATIC FILTERS

## 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® 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**

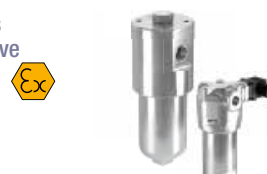
HP Filter element



Stainless Steel Filters  
for potentially explosive  
atmosphere

**FZH**

HP Filter element



Stainless Steel Filters  
for potentially explosive  
atmosphere

**FZX**

HP Filter element



MY CLEAN

zerospark®  
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**

## END CAPS



**MFx  
RSx  
MLx**



**HEXAGON LARGE**



**FEX  
HPx**



**OCTAGON**

Custom polygonal shapes and colours

**zerospark®**  
THE ANTI-STATIC FILTERS



**ZEROSPARK® DESIGN**

**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!



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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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