

# OIL & GAS



PASSION  PERFORM



**MPFILTRI**<sup>®</sup>



# PRODUCTS

## HYDRAULIC FILTRATION

### STAINLESS STEEL HIGH PRESSURE FILTERS

Stainless steel construction ensures peak protection when operating in corrosive environments or aggressive fluids. High pressure stainless steel filters are used to protect individual valves or the entire hydraulic circuit from contamination.



### FILTERS FOR POTENTIALLY EXPLOSIVE ATMOSPHERE

Standard ATEX Directive 2014/34/EU and UK Regulation S.I. 2016 No. 1107 (as amended). There are two different markings, defined by the type of sealing material that determine the maximum operating temperature.

### THE ATEX CERTIFIED MP FILTRI PRODUCTS ARE THE FOLLOWING



Filter with **NBR** seal in configuration **zerospark®**

**II 3G Ex h IIC T6 Gc X**  
**II 3D Ex h IIIC T85°C Dc X**  
**T<sub>amb</sub> : -15°C ÷ +80°C, T<sub>max fluid</sub> +80°C**

Filter with **EPDM / FPM / MFQ** seal in configuration **zerospark®**

**II 3G Ex h IIC T6... T4 Gc X**  
**II 3D Ex h IIIC T85°C...T115°C Dc X**  
**T<sub>amb</sub> : -15°C ÷ +110°C, T<sub>max fluid</sub> +110°C**

### THE ANTI-STATIC FILTERS

## zerospark®

Zerospark® is a specialized 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, electrostatic discharge can result in damage to filter elements, oils and circuit components. It can even cause fire hazards in environments where flammable materials are present.

## TANK ACCESSORIES

The complete range of tank accessories for hydraulic circuits comprises breather filters, filler and breather filters, filler caps, visual and electrical level indicators, pressure gauges selectors, flanges for fixing the oil tubes on the tank cover and inspection doors.

Filler and breather filters have a dual function at the tank inlet in the filtration of the incoming air and the pre-filtration of the fluid through the basket, in order to prevent the entry of foreign bodies during the filling or refilling operations.



TA 70    SAW    TAP 90    LVA 20    LVK    STR    RLG/LEN    OB

## POWER TRANSMISSION



### COUPLINGS

Drive couplings provide the means by which power is transmitted from the electric motor to the hydraulic pump.



### BELL-HOUSING

Bell-Housings are used as connecting elements between IEC electric motors and a wide range of hydraulic pumps available on the international market.



### ACCESSORIES

Our accessories line completes the range, adding value and features to the motor pump unit.

SGE series / AKG series:

**II 2G Ex h IIC T6...T4 Gb**  
**II 2D Ex h IIIC T85°C...T135°C Db**

Installation zone: **zone 1 / 21**

Dust group: **IIIC**

Gas group: **IIC**

Ambient temperature: **-30C° ÷ +120°C**

## CONTAMINATION CONTROL SOLUTIONS

Hazardous environment permanently mounted in-line contamination monitor. High-risk and explosive environments.



**LPA3  
PORTABLE  
PARTICLE  
ANALISER**



**ICM 2.0  
IN-LINE  
CONTAMINATION  
MONITOR**



**AZ2  
IN-LINE  
CONTAMINATION  
MONITOR**

**3G Ex nR IIB T5 Gc IP66**

## MOBILE FILTRATION UNITS

A complete set of high-tech, fixed or portable engineering solutions for reducing fluid contamination.

Mobile Filtration Units provide the perfect solution for the maintenance of lubrication oil and hydraulic fluids in off-line filtration applications.

With a versatile and compact design, they are used to pre-filter, transfer or condition hydraulic fluids from existing circuits to new ones or to clean existing ones during oil changes, filling and flushing, also removing any residues of water.

Available equipped with the ICM contamination monitor for complete control and awareness of contamination levels.



**UFM 015**



**UFM 051**



**UFM 180**

# WORLDWIDE NETWORK

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



HQ  
ITALY



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MF002000188  
US - 2024.03