MP FILTRI KNOWS HOW TO MANAGE A POTENTIALLY EXPLOSIVE ATMOSPHERE
According to the regulation, each component used in potentially explosive atmospheres must ensure adequate ATEX protection, that is, it must present the precautions necessary to ensure it is removed at least one of the components of the triangle of fire.

The concept

There are two different markings, defined by the type of gaskets that determine the maximum temperature.

FILTERS FOR POTENTIALLY EXPLOSIVE ATMOSPHERE

Hydraulic filtration

High pressure filters are designed to withstand the maximum pressure of the system and are sized according to the specific flow rate required. They offer exceptional protection to sensitive components downstream of the filters.

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_{amb} : -15°C ÷ +80°C, T_{max fluid} +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_{amb} : -15°C ÷ +110°C, T_{max fluid} +110°C

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.

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_{amb} : -15°C ÷ +80°C, T_{max fluid} +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_{amb} : -15°C ÷ +110°C, T_{max fluid} +110°C

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, 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.
AKG COMPLETE HALF-COUPLING
AKG Half-couplings are available to use in hazardous area with the presence of gas and/or vapors or dust.

Installation zone: zone 1 / 21
Gas group: IIIC
Dust group: IIIIC
Ambient temperature: -30°C to +120°C

There are two different markings, defined by the type of gaskets that determine the maximum temperature.

VEA & VEB – VACUUM INDICATORS
Vacuum indicators are used on the Suction line to check the efficiency of the filter element. They measure the pressure upstream of the filter element. Standard items are produced with R 1/4” EN 10226 connection. Products available with R 1/8” EN 10226.

BEA – BAROMETRIC INDICATORS
Pressure indicators are used on the Return line to check the efficiency of the filter element. They measure the pressure upstream of the filter element. Standard items are produced with R 1/8” EN 10226 connection.

DEH & DEZ - DIFFERENTIAL INDICATORS
Differential indicators are used on the Pressure line to check the efficiency of the filter element. They measure the pressure upstream and downstream of the filter element (differential pressure). Standard items are produced with special connection G 1/2” size (DEH) and 3/4” UNF (DEZ).

* alternative T/Class and ambientTs
T4, T135°C (Tamb = -60°C to +120°C)

CONTAMINATION MONITORING PRODUCT
AZ2 – IN-LINE CONTAMINATION MONITOR
Hazardous environment permanently mounted in-line contamination monitor. High-risk and explosive environments.