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BMG'S Fluid Technology Services – Filtration Group's Filter Elements



BMG's FG Desiccant Breather

BMG's Fluid Technology services include solutions for hydraulics and pneumatics, lubrication, fuel and industrial filtration systems, hydraulic hose and fittings, as well as instrumentation, pumps and industrial valves.

"Fluid power – which encompasses the use of fluids under pressure to generate, control and transmit power – comprises hydraulics using a liquid, such as mineral oil and pneumatics, using a compressed gas, for example, air," explains David Dyce, Business Unit Manager, BMG Fluid Technology. "With broad technical capabilities BMG is able to offer total process, filtration and lubrication management solutions throughout Africa, in applications where conventional products have failed after short periods of service.

"BMG's Fluid Technology team has a thorough understanding of the filtration process and offers solutions which ensure fluids – including oil, fuel and lubricant oil – are within the required cleanliness standards. Efficient filtration disciplines result in optimum performance, improved reliability and extended service life of machinery, equipment and vehicles. Without an efficient control and contamination prevention, premature equipment failure is likely, resulting in downtime and costly replacement of parts.

"A key area of growth for BMG is in replacement components for hydraulic oil filtration systems. The company has recognised a growing demand from industries, including earthmoving, mining, transport, chemicals and petrochemicals, as well as shipping, for the supply of quality parts that ensure 'cleaner', non-contaminated diesel and lubricant oils."

BMG's extensive range now encompasses EcoPart filter elements for stationary and mobile hydraulic systems from the Filtration Group. These components, with defined filter performance and purity class, comply with stringent DIN and ISO standards and have all other necessary standard industry approvals.

FG EcoPart series, which includes a wide range of pressure filter and return filter elements, is available from BMG in different versions, with various grades of fineness.

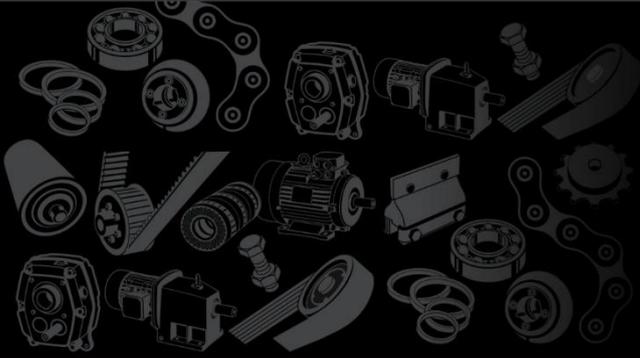
These components are suitable for diverse hydraulic applications, as well as gear oil treatment. FG Filter elements are designed to reduce the solid particle contamination to the prescribed contamination class, to prevent the ingress of dirt from the environment and maintain the properties of the hydraulic fluid for an extended time period.

BMG also supplies FG desiccant breathers, which protect lubricants and machines from damage caused by moisture and the ingress of particles.

Breathers are suitable for use in hydraulic units, where there are high humidity and temperature fluctuations. The normal hazards of condensation – rapid ageing of hydraulic oil, degradation of additives and corrosion – are prevented. These desiccant breathers have an enlarged housing, which ensures up to 20% more absorption of moisture than conventional breathers. Typical applications include wind energy, power plants, tunnel construction, aerospace and manufacturing processes, as well as petrochemical and chemical plants.

In addition, BMG supplies FG coalescer filters, which are used in the fuel line for the efficient operation of marine diesel engines.

BMG also offers the design and commissioning of diesel and lubrication systems, in-line diesel and oil conditioning, particle monitoring, and filtration training.



BMG's FG EcoParts Filter Elements

Optimum filtration performance, combined with lower differential pressure of the system, significantly reduces energy consumption, which is critical to maximising production efficiencies.

BMG's national branch network supports an extensive range of fluid technology products and bespoke systems, with field services and a technical support facility to ensure optimum efficiency and extended service life of every product, even in hazardous environments. The company also offers a design and manufacturing service, according to exact requirements, for small installations and major projects.

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