

TECHNICAL INFORMATION**AKO valve filter series VS 87-1**

MAHLE Industriefiltration provides smooth performance for modern hydraulic, lubricant and industrial water filtration.

Solutions for a wide variety of media

The AKO valve filter series VS 87-1 is suitable for hydraulic and lubricant oil filtration as well as filtration of industrial waste water and salt water. The series comes in a single-filter model and a duplex filter model in the nominal diameters DN 25 to DN 300. Custom versions up to DN 500 are possible. The duplex filter features a leak-free, easily accessible valve change-over element, enabling manual change-over from one filter housing to the other. Both models offer a variety of application possibilities for filtration of motor oil and gear oil, general hydraulic and lubricant oil filtration, and waste water and salt water filtration. The application versatility of the AKO valve filter series is achieved through the wide range of filter elements and screen baskets that can be used. The scope of available inserts ranges from highly efficient MAHLE Sm-x filter elements in filter ratings ranging from 3 µm to 25 µm to star-pleated wire-mesh filter elements from 10 µm to 500 µm to AKO screen baskets from 25 µm to 5,000 µm. Optimally sized filter surfaces ensure extremely high dirt-holding capacities, low flow resistances, and outstanding results in filter performance tests. To meet customer requirements, a whole host of equipment options can be supplied—from an auxiliary heating system to a large number of connection ports to various maintenance indicators. Thanks to the versatility of the AKO valve filter series and its made-to-order options, the prerequisites for achieving the required reliability are ensured.

High-performance filters at work

The cleanliness is an important prerequisite for smooth operation and achieving the maximum service life. This is why high performance filter systems are now indispensable in these modern systems. They protect extremely sensitive components by ensuring that the required level of lubricating oil cleanliness is maintained. MAHLE Industriefiltration manufactures a range of powerful, innovative filter solutions that are specifically targeted at filtering water and lubricating oils. The highest possible level of reliability is a basic prerequisite for the efficiency of any system.

Great in different industries

MAHLE Industriefiltration AKO valve filters are indispensable in all systems that require running without faults. The quality of MAHLE filtration technology is proven by certifications from all established classification societies, including German Lloyd, Lloyds Register, etc. We provide proven and reliable standard solutions as well as special designs – even for extreme conditions with extremely high safety requirements. All filters and accessories are extremely robust and boast impressive service lives. They require minimal maintenance and have a compact design. MAHLE Industriefiltration offers customers a comprehensive range of services all over the world. The company's extensive network of agents ensures that customers are helped by competent engineers and technicians wherever they are. Experienced service teams are available for commissioning and maintenance tasks worldwide.

Company

MAHLE Industriefiltration GmbH is part of the MAHLE Group, one of the world's 30 largest automotive suppliers, and is a global supplier of innovative, top quality industrial filters. MAHLE Industriefiltration shelters two product brands NFV and AKO.

MAHLE Industriefiltration provides with the NFV and AKO products a wide range of customized and highly efficient filtration and separation systems for a wide variety of applications: from bilge water separation over ballast water treatment to engine maintenance, the protection of hydraulic systems and pipelines,

transfer and circulation systems. This comprehensive portfolio is rounded off by customer support services precisely tailored to customers' needs.

The MAHLE Group is among the top 30 automotive suppliers globally and is the world market leader for combustion engine components, systems and peripherals. MAHLE employs approximately 49,000 employees in 115 production plants and eight research and development centers. In 2008, MAHLE generated sales in excess of EUR 5 billion (USD 7.4 billion).

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