

MAHLE

Industrial Filtration

ULTIMATE PERFORMANCE PLUS ENERGY EFFICIENCY

THE MAHLE PREMIUM SELECT FILTER ELEMENT

HYDRAULIC FILTER ELEMENTS



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HIGHER PERFORMANCE

LOWER ENERGY CONSUMPTION

Higher performing, longer lasting, more energy-efficient: The MAHLE Premium Select filter element.

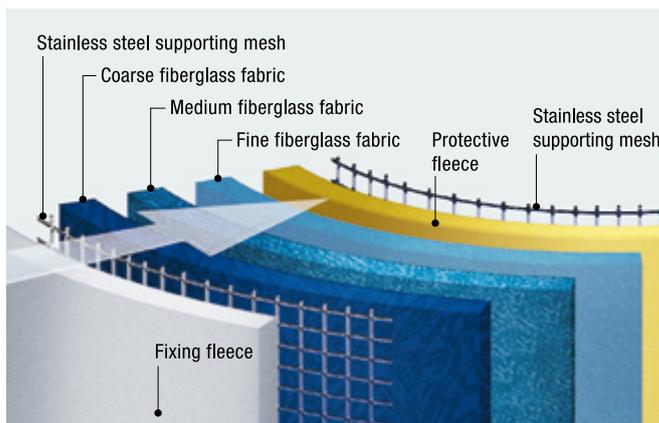
With the new MAHLE Premium Select filter element, MAHLE Industriefiltration is setting a new industry standard for hydraulic filter elements: Compared to conventional filter elements, this innovative filter concept provides up to 30% more dirt holding capacity. At the same time, it combines higher retention performance with lower differential pressure, thus achieving a significant reduction in energy consumption.

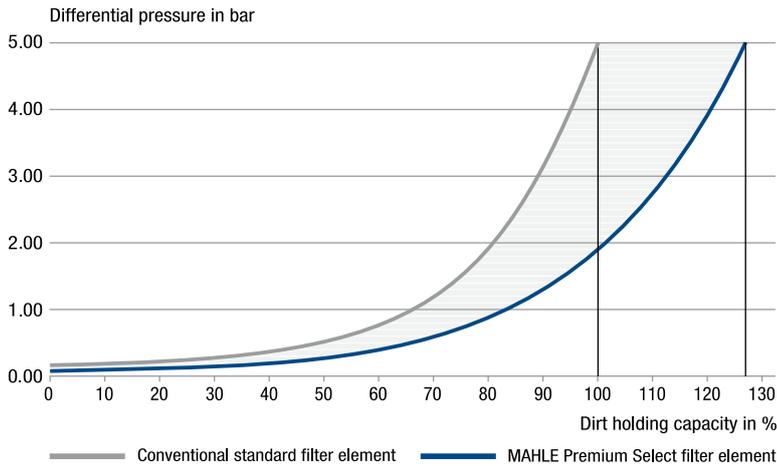
As such, this new technology makes an important contribution to ecological and economical operation in stationary and mobile hydraulic systems—whether in machinery construction, in the automotive and supplier industries, in power plant construction, or in construction equipment.

Its high performance over the entire service life ensures consistent quality of the hydraulic fluid on an ongoing basis and shortens replacement intervals—for cost-effective use of the complete system over the long term.

Top performance thanks to innovative fiberglass filter technology with new fixing fleece

- Unique multi-layer MAHLE Premium Select (PS) pleated star design made of chemically stable, heat-resistant materials.
- Filter performance that fits like a glove: A new, friction-locked fixing fleece compresses the pleated star optimal against the supporting body, acting as a prefilter.
- Progressive design: Arranged in graded layers of decreasing fineness from outside to inside, the fiberglass material combines the advantages of a depth filter with the advantages of a large effective filter surface. The result: higher dirt holding capacity with lower pressure loss, combined with a defined, high retention rate.
- Supporting mesh on both sides made of high-quality stainless-steel wire mesh ensures a high degree of stability of the pleated star as well as chemical resistance against all lubricants and hydraulic fluids.
- The inner tubes and end caps made of hexavalent chromium-free materials are environmental trendsetters.





Continuously higher performance plus longer service life: innovative MAHLE Premium Select filter element with 30% more dirt holding capacity, lower differential pressure, and an optimized differential pressure profile—for reduced energy consumption.

Complete series of filter elements

A complete series of filter elements is available for a host of different applications. Our MAHLE Premium Select filter elements reduce solid contamination to the required contamination class, prevent ingress of extraneous dirt, and maintain the properties of the pressure fluid over the long term.

Toughest test procedures—outstanding ratings

Our MAHLE Premium Select filter elements are tested for compliance with all common standards in the hydraulics industry. Why? Because we want objectively documented, reproducible results for our customers. We therefore put ourselves to the test against internationally recognized standards such as ISO 16889. Our filters achieve outstanding marks for dirt holding capacity, beta-ratio stability, and retention rates.

Innovative solutions partner with systems expertise

MAHLE Industriefiltration has been producing high-quality industrial filters for fluid technology, dust filtration, and process technology for many years. As an innovative, reliable development partner and supplier for the leading manufacturers of hydraulic systems and equipment all over the world, MAHLE Industriefiltration is your expert partner in all areas of filtration and separation.

Perfect combination for continuously high filter performance under all operating conditions.

Let us provide you with a customized solution based on your specific application.

