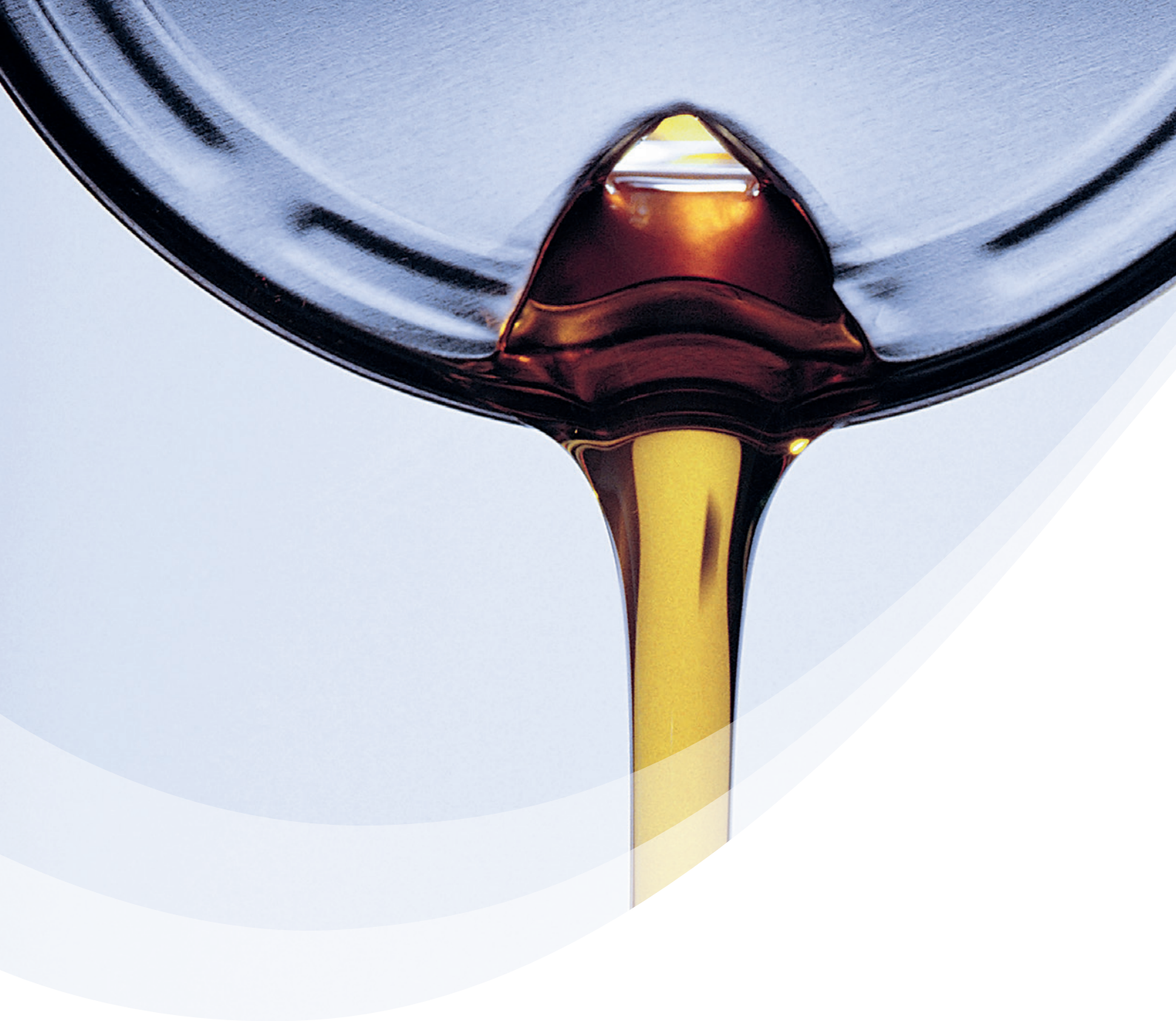




viledon[®]

HIGHEST PURITY AND EFFICIENCY

**IN OIL, UREA AND FUEL FILTRATION
WITH VILEDON PLURATEXX**

FREUDENBERG
FILTRATION TECHNOLOGIES

 **FREUDENBERG**
INNOVATING TOGETHER



HIGH DEMANDS

ON OIL, UREA AND FUEL FILTRATION

Whether for oil, urea or fuel filtration, Freudenberg Filtration Technologies' high-quality filter media allow reliable removal of dirt particles, ensuring motor function and oil quality, and guarantee economic vehicle operation. Viledon® pluratexx filter media fulfill the various requirements of the hydraulic and automotive industry and assure the perfect combination of hygiene, efficiency and diversity.

Expertise in filtration

Every application places different demands on filter media. Our international expertise and many years of experience are the foundation for tailored filtration solutions for our customers on site. Our expertise and high quality standards offer maximum security, even for sensitive applications.

Freudenberg Filtration Technologies' standard pluratexx portfolio is tested in accordance with ISO 16889 or ISO 4548-12, depending on the application. The conditions of hydraulic and lubricating oil filters in practice are

simulated (at high speed) and the arrestance efficiency and dust loading capacity are determined using the "multi-pass test."

In the case of customer-specific developments and production, we are happy to help our partners test filter media in accordance with standardized tests and in coordination with the testing institutes.

Our customers can rely on optimal performance and consistent, certified quality.

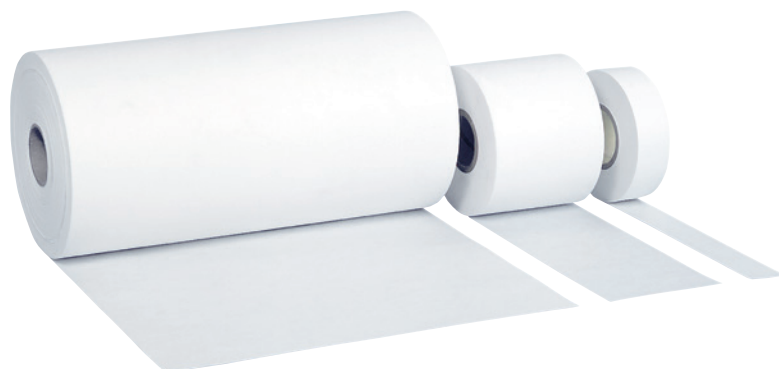
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The benefit for our customers

Viledon® pluratexx filter media

- ensure high wet strength
- can be assembled individually
- guarantee long lifetime and high cost effectiveness

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VILEDON PLURATEXX

INNOVATIVE FILTER MEDIA FOR MAXIMUM PERFORMANCE

Reliable protection for SCR systems

In modern (commercial) vehicles, SCR (selective catalytic reduction) systems are becoming increasingly important for the reduction of pollutant emissions. Nitrogen oxides are converted into nitrogen and water by adding a urea / water solution to the exhaust system. Urea filters prepare the urea / water solution to protect the SCR systems, in particular the injection pumps. Our filter media have extremely high thermal stability and demonstrate high resistance and durability in long-term freezing-cycle testing. Our jetSpin nonwovens provide high filter efficiency and dust loading capacity for small filtering areas, according to the complex design of SCR systems.



Compact, strong, durable

Clean oil has a positive influence on the wear of hydraulic equipment and engine lifespan. Pluratexx nonwovens are a real quantum leap compared to paper and glass fiber media. This is due to the innovative structure of the 100 % thermally bonded polyester fibers. This new material structure guarantees high arrestance efficiency and high dust loading capacity at a low flow pressure drop. The filter can be assembled with smaller dimensions, but with the same service life, which saves weight and space. Although pluratexx filters are phenol-resin-free and do not release formaldehyde when processing, they are significantly more resistant to modern, aggressive high-performance motor oils. This feature makes them perfect for FSI (fuel stratified injection) motors, etc.



High performance thanks to full synthetic media

A powerful filter is crucial for the efficiency and reliability of combustion engines. Freudenberg Filtration Technologies offers synthetic media made from nonwovens that meet the high demands of modern common-rail-injection systems and bio-diesel: high filter efficiency and dust loading capacity, chemical resistance and water separation to protect the injection systems.



