

## **S2.5.1 FROM FILTER MEDIA TO HIGHLY INTEGRATED FUEL FILTRATION MODULES FOR TRUCK APPLICATIONS**

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The increasing requirements for truck manufactures for fuel consumption reduction and exhaust gas emission improvement are leading to changes in the development of fuel management systems for trucks. In addition high requirements on profitability of a truck as investment asset have to be met.

Those facts are driving the fuel filter sub system evolution. MANN+HUMMEL as worldwide market leader in filtration is offering high efficient and highly integrated fuel filter system solutions for passenger car and as well for truck markets.

This publication describes the latest requirements and the latest boundary conditions for future diesel fuel filter systems. The effective protection of the injection system and associated components against various kinds of wear has become more and more important. There is the need to supply water-free fuel to the injection system and combined with the need for automatic water management inside the fuel filter system. Therefore integrated diesel water separation and discharge functions have been developed. Further it's shown how the single filter media is integrated into a complex and highly functional fuel filter system. The possibility of functional integration of several additional functions into a complex sub system to be delivered to truck OEM customers is shown in an exemplary way.