Fuel filtration

Blue.maxx: A new level of diesel filtration
Modern diesel engines put high requirements on the purity of diesel fuel. Differences in fuel qualities around the world necessitate efficient cleaning with modern fuel filtration concepts. That is why Hengst developed Blue.maxx – an innovative fuel filtration system in which the pre-filter and main filter are no longer considered separately. Instead, they form a well-coordinated overall system that combines single components on the basis of customer requirements. Up to five filtration stages achieve significantly better performance with respect to particle filtration, water separation and differential pressure combined with an optimal filter life, while also reducing the space needed for installation.

Customized Blue.maxx solution for MAN
For its customer MAN Truck & Bus, Hengst used the Blue.maxx modular system for diesel filtration as the basis for development of a custom solution: the Fuel Service Center (FSC). The “new” FSC is a five-stage filtration system with lifetime water separation, in which the single stages are optimally integrated in a pre-filter and main filter. The special feature of this custom application is the mixing valve. At cold temperatures (during winter operation) warm diesel fuel from the return flow of the common rail system is mixed with cold diesel from the fuel tank. This prevents blockage of the filter insert by paraffin crystals. The system also ensures reliable operation during the transition period from summer to winter. This makes it possible to eliminate the electric heater in the pre-filter for normal use. The FSC will first be installed in MAN’s new D15 engine series.
Press release

**Hengst: worldwide leader in filtration**

Hengst SE supplies products, systems and concepts for all aspects of filtration and fluid management – from development to high-tech production. The company is a development partner and OEM supplier for the international automotive and motor industry. State-of-the-art filtration concepts from Hengst are also used widely in many other everyday and not-so-everyday applications. The agricultural sector, the navy, and manufacturers of cleaning equipment and electric tools for private or professional use rely on custom-tailored solutions from Hengst. The company’s filter systems can be found in an ever-growing number of devices – from household vacuum cleaners to professional electric tools to modern robots. Customers around the world value the expertise, brand quality, service and customer orientation of Hengst.

**Automotive original equipment: Vehicle and engine filtration**

Innovative filtration solutions are an integral part of vehicle and engine technology. As an original equipment manufacturer, Hengst engineers and manufactures multi-functional filtration and fluid management systems of premium quality for passenger car, utility vehicle and off-highway applications. These solutions include systems allowing for the effective filtration of oil, fuel and air as well as solutions designed for crankcase ventilation. Placing particular attention on achieving a maximum of performance at a minimum of weight, installation space and cost of installation and maintenance, Hengst has become a development partner and OEM supplier to a great number of eminent automotive manufacturers. This partnership is distinguished by the joint goal to bring technology of unsurpassed excellence to the road. This objective also includes tapping new business opportunities in the areas of gear oil filtration, Smart Filtration and electric mobility. To our customers, partnering with Hengst translates to savings in time and cost, independence, flexibility, confidentiality and short decision-making processes as all steps of the processes involved are managed under one roof. Companies around the world value the expertise, brand quality, service and customer orientation of Hengst.

More information: www.hengst.com/de/geschaeftsereiche/fahrzeug-motorenfiltration

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