



Hengst as OE series supplier for ZF oil pans

Since 2020, series production for the 3rd generation oil pan of the ZF Friedrichshafen AG 8HP transmission (suction oil filtration) has been running at the Hengst plant in Gogolin, Poland.

The oil pan features a fully integrated flat filter and a drain plug for easy servicing. As a result, the product meets the manufacturer's high flatness and position tolerance requirements and offers improved low-temperature delta-P compared to the competition.

The transmission oil pan with suction filtration is installed in all Audi all-wheel drive vehicles as well as in selected BMW models with automatic transmissions from the 3 series and higher.



Transmission oil filtration

Custom-made transmission oil filtration.

The purity of the transmission oil is essential for the service life of individual components. If the degree of contamination or abrasion is too high, this will affect the reliability of sensitive gear elements. Only clean oil prevents wear and the resulting reductions in efficiency and comfort. Our innovative transmission oil filter concepts meet this challenge.

Suction oil filters are integrated as main flow filters upstream of the pump and are often located directly in the transmission oil pan. Due to the minimal installation space available and the low differential pressures permissible in suction mode, however, the filtration efficiency achievable with suction filters is limited, as a sufficient supply of oil must also be ensured also for high oil viscosities at low temperatures.

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