Oil Cooler

Engine and transmission oil cooling

Oil applied for lubrication plays a significant cooling role. The oil cooler receives the lubricant's heat and exchanges it with the ambient air or the radiator coolant. It is typically the automatic gearbox oil that needs a dedicated oil cooler. Vehicles, driving with engine oil that is cooled by a separate exchanger, is a common sight. Especially in high-performing or downsized engine vehicles, a dedicated oil cooler is an important part of the system.

In some vehicle models, the oil cooler is built into the radiator water tank. Here, the coolant plays a supportive role to the heat exchange process. In modern vehicles, an automatic gearbox oil cooler is often designed as a stand-alone unit, mounted separately in the engine compartment or on the engine block.

Important to know

- Be aware of regular oil change and proper oil filtration. Low-quality or contaminated oil can clog the thin channels of the oil cooler, limiting the inside flow and performance.
- A leaking or non-performing oil cooler is one of the most common causes for automatic gearbox break down. The oil is crucial for the gearbox's operation as it lubricates, cleans and conditions its seals.
- In case of leakages, the lack of oil will cause the engine to overheat and shut down.
- Exposure to high stress, like high temperatures or high mileages can shorten the oil cooler's lifespan significantly.

OE Matching Quality

All Nissens' oil coolers are designed and manufactured specifically for the aftermarket, while still maintaining accordance to the OE requirements. Nissens' oil coolers are tested in Nissens' advanced in-house test facilities to ensure compliance with the high quality demands – thus promising a long service life.

Reliability & Performance

The oil cooler development process includes an in-house test series, where the oil cooler is pressure-impulse tested with 100,000 impulses at a pressure of up to 10.0 bar.

High Quality Packaging

All Nissens' oil coolers are packed in our compact and elegant box design. The solid packing system minimizes possible risks of transport and storage damages to the products and the Nissens box optimises logistics costs and protects the environment.

Competitive Range

The range consists of 280 complete parts covering more than 1200 OE numbers and 8,400 car makes and models. Furthermore, Nissens offers a standard HP/NO oil cooler range of 150 part numbers.

Nissens
DELIVERING THE DIFFERENCE

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PROGRAM FOR
CARS
VANS
TRUCKS

Easy Installation with First Fit

+80 models of Nissens' oil coolers equipped with gaskets.

Long Life Product

Improved turbulator design, ensuring more precise brazing process, thus supreme durability and stress resistance of the component.

Temperature Resistant

Thermal expansion tested to perform during fluctuations of temperatures, ranging from 10 to 90 °C.