

### Oil Coolers

The oil cooler is a heat exchanger, consisting of cooling fins in charge of cooling the engine oil and in some cases the transmission fluid. It is not necessary to use an oil cooler with a normal engine, while it becomes essential, for example, with high compression ratio engines or otherwise with engines in which the oil must perform in complex circuits, repeating lubrication and cooling of moving parts. In fact, the oil can be compromised by the friction that it meets along its path which increases the temperature and alters the lubrication and cooling properties.



An oil cooler needs to be replaced when the oil is so dirty that it clogs it or in case of impact by which it has been damaged/ deformed.

Hoffer has introduced more than 100 codes of oil coolers with multiple applications. They are coolers placed between the oil pan and the oil filter or are an extension of the crankcase or gearbox. Some codes are offered together with the oil filter.

All codes available are water cooled oil coolers. They cool down the lubricant with the help of the engine coolant.