

# MANN-FILTER

## Product Information

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### Oil module and filter element for the new MAN Euro VI engine

Patented and copy protected solution

MANN+HUMMEL manufactures a compact oil module housing with filtration, cooling and oil mist separation functions for MAN and Navistar.

The oil is filtered through a copy protected and patented oil filter element and cooled in an integrated stainless steel oil cooler. Oil droplets from the crankcase ventilation system are removed through a highly efficient disc separator.

Pressure in the oil system is maintained at a constant level by a pressure regulating valve fitted in the oil module.

The oil filter element is metal-free and can thus be disposed of in an environmentally-friendly way. It has a plastic centre tube with integrated stand pipe which prevents the oil in the housing flowing back to the oil pan when the engine is switched off.

The filter element has a patented bayonet clamp which snaps onto the element when opening the cover, enabling the element to be removed from the housing quickly and reliably.

The double-sided gasket at the base, made from durable and flexible silicone, closes the return drain channel to the oil pan but opens it when the filter element is lifted during service. Any remaining oil in the housing can thus drain away, making it clean and easy to change the oil filter.

The other gaskets are also made of high-quality materials such as the fluorocarbon rubber element at the top which seals the element to the integrated overflow valve.

MANN+HUMMEL currently manufactures two types of filter element for this oil module: MANN-FILTER HU 1291 z, with highly-efficient mixed fibre filter media, is fitted into MAN trucks with engines meeting the present Euro VI standards in Europe. Requiring 30% less filter surface area than before, this advanced medium therefore saves valuable installation space. It is designed for service intervals of up to 150,000 kilometres.

MANN-FILTER HU 12 002 z, with highly-efficient fully synthetic filter media, is fitted in trucks produced by 'International' in the North American market.

