



The first intelligent oil-water separator

AQUAMAT i.CF

KAESER Kompressoren SE is redefining condensate treatment with the intelligent **Aquamat i.CF**. Available for delivery rates up to 90 m³/min, the unit features the Aquamat Control internal control system for the first time. This makes maintenance measures plannable, simpler and more environmentally friendly, as the control system actively takes over process management.

Condensate is an essential component in the generation of compressed air. However, it cannot be disposed of as wastewater until the oil it contains has been separated from the condensate. Conventional passive oil-water separators work according to the **gravity principle**: Condensate that accumulates first seeps into the filter, which then absorbs the oil. The **Aquamat i.CF** stands for a completely new and intelligent condensate treatment. The unit guarantees maximum process and functional reliability.



Aquamat i.CF

Reliable and resource-saving operation

The new internal Aquamat control monitors the condensate level in the oil-water separator. When the maximum level is reached, the condensate flows through the filter cartridges under light blasts of compressed air. This makes better use of the adsorption capacity of the cartridges. Even in demanding applications, the unit operates reliably and conserves resources. If, contrary to expectations, a fault does occur, it is immediately detected and reported.

This active mode of operation makes it possible for the first time to determine the remaining service life of the filter cartridges depending on the load. The Aquamat Control network-capable control system not only makes it possible to plan maintenance of the oil-water separator, but also to guide the necessary work steps in a targeted manner. A particularly intelligent solution: The cartridges are emptied by pressurization prior to replacement and can be easily replaced with the current weight.

New standards are also set in terms of hygiene by the entire system design of the Aquamat i.CF. Completely dirt-free, without any contact with the condensate - this is how cartridge replacement is carried out. For guaranteed protection of the environment and service staff.

Reliable oil-water separation for delivery rates up to 90 m³/min

The Aquamat i.CF is available in 5 model variants for compressors and offers delivery rates from 8 to 90 m³/min. Particularly convenient: one and the same cartridge is used for all models. This considerably simplifies stock-keeping and spare parts supply. Time and money can thus be saved.



Oil-water separator Aquamat i.CF
Picture source: KAESER Kompressoren SE

By connection several cartridges in parallel, different capacities of the five model types can be achieved. Thanks to modular design concept, simple adaptations to the respective capacities are also possible subsequently without any problems.

The Institut für Construction Technology in Berlin has certified and approved the Aquamat i.CF oil-water separator for the treatment of compressor condensates from mineral and synthetic oils. Thus, the treatment corresponds to the „state of the art“. The plant operator thus obtains the greatest possible technical as well as legal security.



SAFE.



CLEAN.



MODULAR.

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