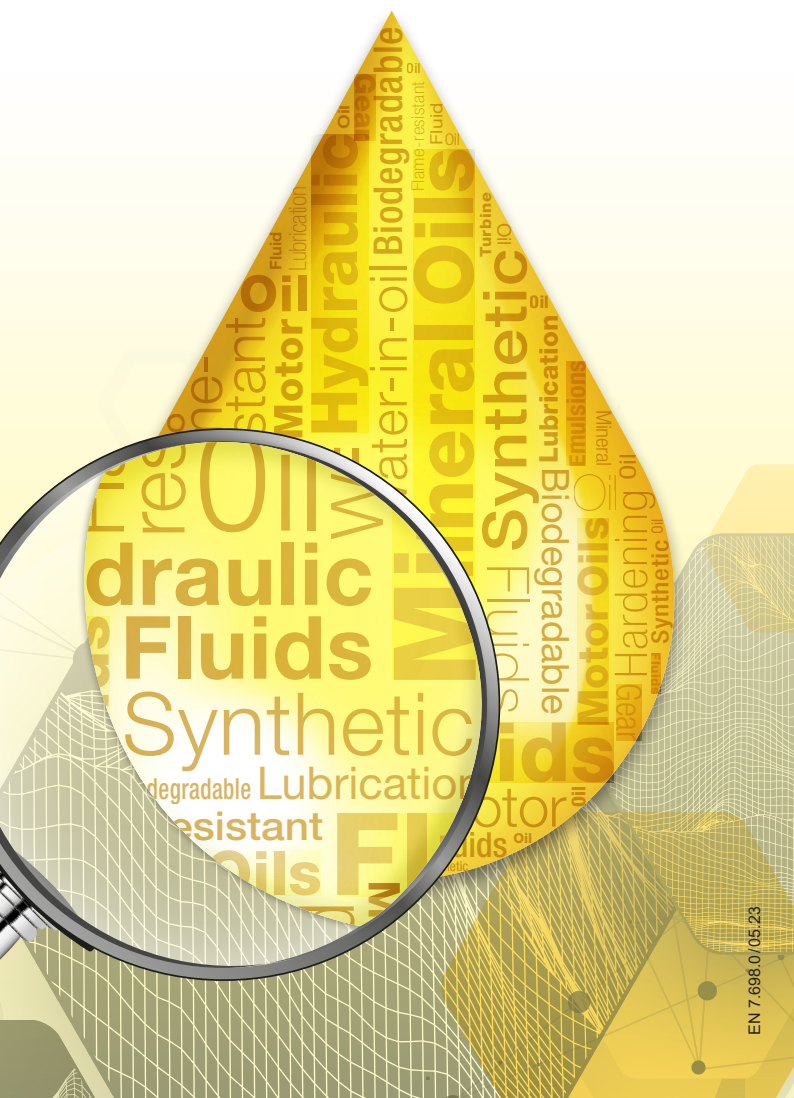


HYDAC INTERNATIONAL



**Professional
fluid monitoring**



Sensors for continuous fluid cleanliness monitoring



Contamination Sensor

Continuous monitoring of ultra-fine particle contamination for applications in stationary and mobile hydraulics. The sensor enables early detection of failures caused by solid contamination in oil, increasing overall system uptime.



Metallic Contamination Sensor

Continuous monitoring of metallic particles in industrial drivetrains. The sensor provides gears and bearing damages detection based on wear particles monitoring, increasing overall system uptime.



Aqua Sensor

Continuous water content monitoring for stationary and mobile hydraulic applications. The sensor enables early detection of failures caused by water contamination in oil and unexpected water intake in the system, increasing overall system uptime and efficiency.



HYDACLab Sensor

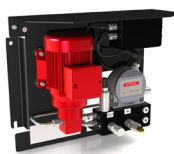
Continuous oil condition and water content monitoring for stationary and mobile hydraulic applications. The sensor provides early detection of oil aging and degradation, wrong fluids in system, increasing overall system uptime and efficiency.

Stationary and mobile monitoring systems



Contamination Sensor Module

Continuous fluid cleanliness monitoring for stationary hydraulic applications with simple integration thanks to a separate fluid conditioning module. The system makes it possible to detect critical solid particle contamination and water content indicators.



Condition Monitoring Package

Continuous, application-specific fluid cleanliness monitoring for stationary and mobile hydraulic applications. The system's modular architecture enables a large range of variants so that the best possible solution can be found for any problem.



Fluid Control Unit

Comprehensive fluid cleanliness monitoring for mobile hydraulics equipment. The FluidControl Unit detects critical indicators of particle contamination and water content, preventing component damage.

Accessories



Fluid Monitoring Module

FMM units combine the existing monitoring sensors. They have all the necessary connections and are therefore easy to install in existing systems. Different versions available for low and high pressure systems.



CSI-C-11

Data logger for sensor data collection, storage, on-site visualisation and transfer to monitoring systems and cloud solutions.



Interfaces

Sensor interfaces

HYDAC provides various sensor interfaces that enable device configuration and sensor data transfer to end users.



Software

Software

Digital HYDAC modules enable straightforward integration of the sensors into higher-level monitoring systems from local PLC or SCADA platforms to the cloud.





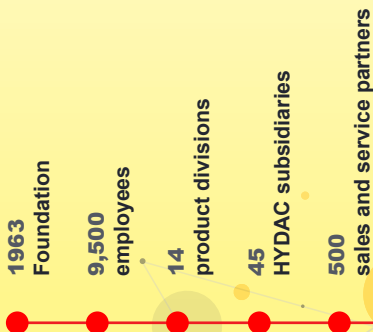
Your partner for expertise in optimal fluid conditioning

With over 9,500 employees, 45 HYDAC subsidiaries and more than 500 sales and service partners, HYDAC is your reliable expert partner worldwide.

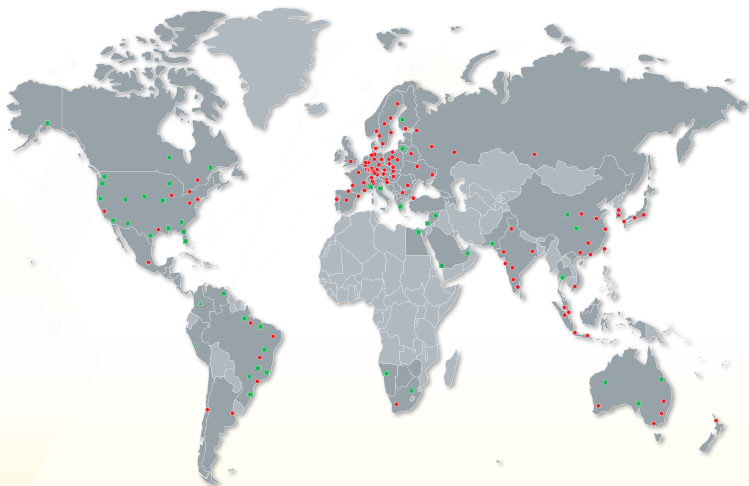
Our portfolio includes hydraulic accumulators, fluid filters, process filters, cooling technology, pumps, valves, power units, valve manifolds, solenoid technology, sensors, measurement, display and analysis instruments, electrohydraulic controls, variable-speed drive solutions, cylinders, mounting and connection technology, pipe fittings, condition monitoring, the software platform MATCH for mobile automation and much more.

We design and supply ready-for-use hydraulic control and drive systems, including electronic open-loop and closed-loop controls for mobile and stationary machines and plants for a wide array of industries.

We also supply our customers with an extensive range of technical services relating to HYDAC fluid engineering for hydraulic oil, lubricants, coolants and water.



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