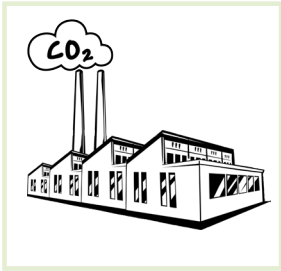


HYDAC

INTERNATIONAL

**Fluid Engineering
for Plant Operators**





Reduced power consumption and CO₂ emissions due to

Variable-speed drive systems and hydraulic start/stop technology

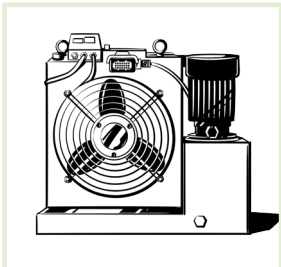
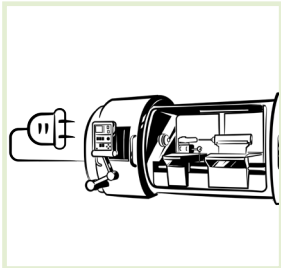
Optimised components and systems (e.g. hydraulic accumulators, filters and filter elements, ball valves, valves and control blocks)

Energy recovery thanks to hydraulic hybrid technology

Energy-efficient machine cooling and heat recovery

Support for energy efficient retrofitting of production facilities

Energy efficiency



Extended service life of fluids and wear parts due to

High quality and specific filters and filter elements for a wide variety of applications

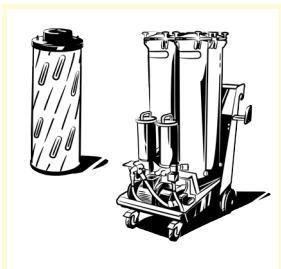
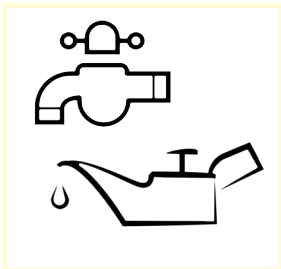
Fluids considered: oils, water, lubricants, cleaning fluids, diesel and gases

Mobile and stationary fluid conditioning systems

Repair and conditioning of fluids (e.g. removing varnish, dewatering and degassing fluids)

Expert fluid analysis and fluid optimisation of systems

Conservation of resources



Cost savings thanks to:



Reduced energy consumption



Reduced operating fluids



Reduced CO₂ emissions



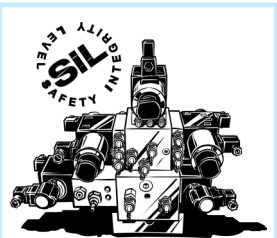
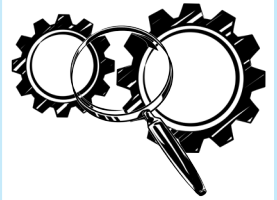
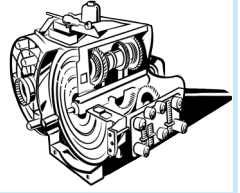
Reduced component wear



... a regular feature in your production facility.

Reliable production processes and product quality due to

- Services for technical cleanliness (e.g. process chain analysis, laboratory service, mobile laboratories, training, consulting)
- Products and devices for the technical cleanliness of components and systems (e.g. extraction units, flushing rigs)
- Optimisation of industrial part washers and cleaning processes (e.g. filtration concepts)
- Hazard analyses (e.g. hydraulic accumulator service)
- Functional safety with SIL-compliant components and systems



Process reliability

Increased system availability and productivity due to

- Sensors for monitoring fluids (e.g. particle contamination, oil condition, pressure, temperature, displacement sensors)
- Sensor systems, controls and software for predictive maintenance
- Mobile and stationary measuring and display devices for condition monitoring of systems
- Worldwide service (e.g. commissioning, revisions, repairs) and supply of spare parts
- Maintenance contracts and service concepts



System availability



Increased productivity



Reduced maintenance



Technical Cleanliness



Prevention of initial damages



HYDAC Head Office Neuweiler

Global Presence. Local Expertise.



HYDAC France



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