

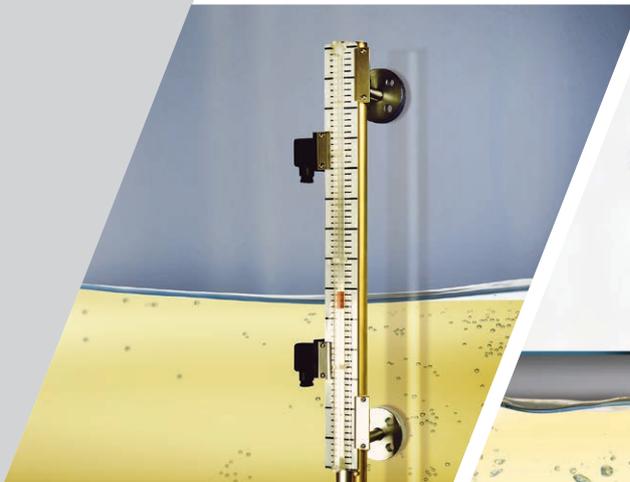
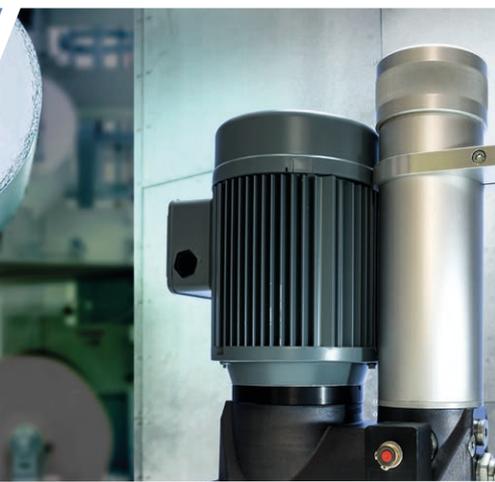
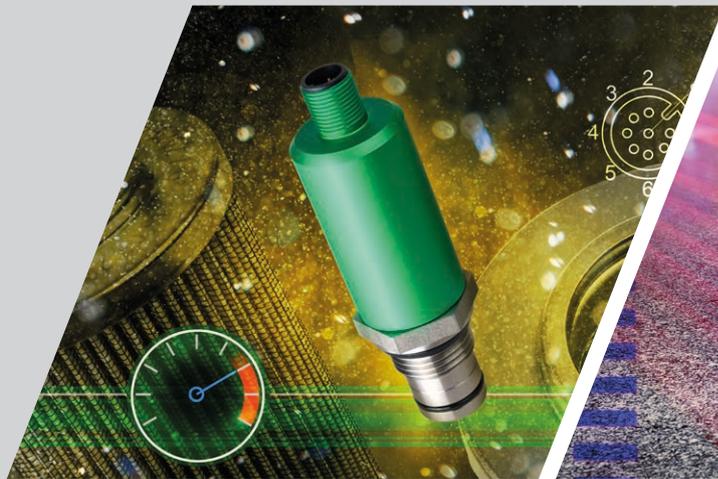


V03.19



# FLUIDCONTROL

COMPONENTS FOR OIL HYDRAULICS & LUBRICATION TECHNOLOGY



# FLUIDCONTROL

## WHAT DOES FLUIDCONTROL STAND FOR?



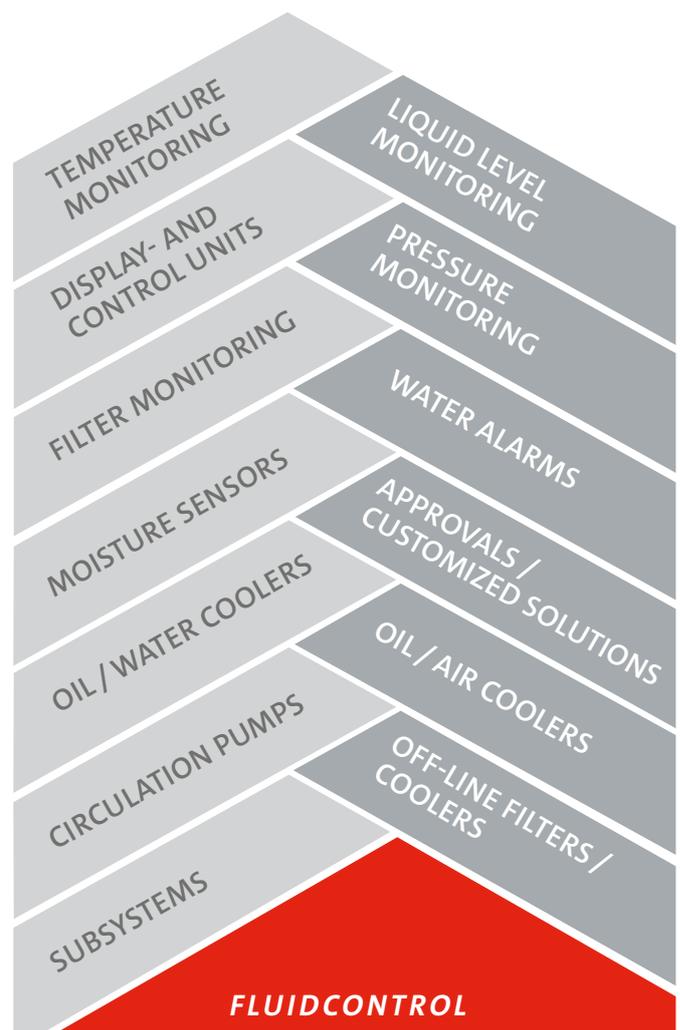
Since the foundation of the company in 1969, we have specialized in applications for oil hydraulics and lubrication technology with specific products and processes. By operating this business division under the heading of Fluidcontrol, we express this specific bond to the market.

Our consistent concentration on specific requirements of the OEMs as well as the end users has made us one of the leading global providers. Our innovative products with their unique logical functional density – but without bells and whistles – set the standards for accessories in the international market for oil hydraulics and lubrication technology.

We offer flexible, system-compatible sensors and devices with state-of-the-art output signals for liquid level, temperature and pressure monitoring as well as for filter and moisture monitoring. With the oil/water and oil/air coolers, filtering units and customer-specific subsystems, we meet today's requirements in terms of a cost-effective and reliable operation of oil installations, even in hazardous areas.

The Fluidcontrol product line from Buhler Technologies extends the service life of oil and components, provides connectivity for automated

operation, facilitates condition monitoring and helps reduce operating and maintenance costs.



# SENSORS



## FLUIDCONTROL

INNOVATIVE WAY TO USE  
OIL LONGER – SMART.  
CONNECTIVE. EFFICIENT.

### LIQUID LEVEL



TANK TOP INSTALLATION MULTIFUNCTIONAL

Our multifunctional devices reduce space requirements and facilitate routine maintenance.



TANK TOP INSTALLATION LIQUID LEVEL

These devices equipped with dynamic floats serve liquid level monitoring as multifunctional devices for the simultaneous monitoring of liquid level, temperature and ventilation in oil tanks for hydraulic and lubrication systems.



TANK TOP

Combinations of visual liquid level displays and electrical contact/sensors for installation on tank tops, also suitable for contaminated media.



EXTERNAL TANK INSTALLATION BYPASS

A combination of visual liquid level displays and electrical contact/sensors, also for applications in pressurised tanks/accumulators. Available in various pressure ratings.

# SENSORS

## TEMPERATURE / PRESSURE / FILTER MONITORING / MOISTURE



TEMPERATURE MONITORING

Temperature switches and sensors for the measurement and monitoring of the operating temperature. Local or remote display with programmable outputs.



PRESSURE MONITORING

Pressure monitoring in hydraulic systems is a parameter for the transmitted power. Bühler's pressure measurement technology reduces the risk of leakage and the installation costs decrease significantly.



DISPLAY- AND CONTROL UNITS

Multitronik is a universal device to display and control the measured variables required in fluid technology. It was developed following the VDMA (German Mechanical Engineering Industry Association) standard specification 245741.



WATER ALARMS

Physical dividing layer monitoring free water in the bottom of the vessel. Reliable function regardless of the chemical composition of the oil. Mounting kits optional.



MOISTURE SENSORS

These sensors can be used to measure the relative moisture in oil before the saturation point of the oil is reached and free water is formed. They're available as pure transmitters as well as with a local display.



FILTER MONITORING

Continuously monitoring the dirt holding capacity of the filter element. Parameterizable, various connection configurations for different pressure filters.

# COMPONENTS

## COOLERS / FILTRATION / PUMPS / SUBSYSTEMS



BWT PLATE HEAT EXCHANGERS

The BWT plate heat exchangers provide a very effective heat transfer. Thanks to the compact plate connection and the sensible profiles of the plates we achieve better exchange capacities with significantly smaller dimensions.



OIL-/ AIR COOLERS

A complete product line for efficient temperature stabilization using ambient air in oil systems. Robust cooling matrices and energy-efficient low noise fans are the key components of these low-maintenance designs.



OFF-LINE FILTERS / COOLERS

The advantage of this arrangement is that as a result of the constant flow rates in such off-line units, the required cooler size can be determined more precisely and can often be designed smaller.



OFF-LINE FILTRATION

The product line includes small compact standard units as well as subsystems arranged according to customer specifications.



CIRCULATION PUMPS

This design principle combines low noise emission of Gerotor pumps with limited susceptibility to solid contamination.



SUBSYSTEMS

We design and manufacture subsystems, to complete your systems.

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INNOVATIVE WAY TO USE OIL LONGER –  
SMART. CONNECTIVE. EFFICIENT.



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