

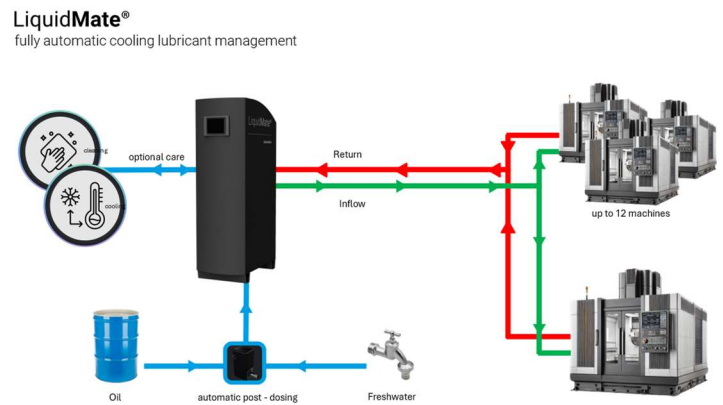
LiquidMate® | Specification

Usage:

- Measuring solution for up to 12 individual machines and centralised systems
- Measurement of the concentration, pH value and temperature of the cooling lubricant
- Circulation and fill level monitoring
- Active concentration regulation
- Optional documentation according to TRGS 611

Eigenschaften:

- ✓ Low-maintenance sensors
- ✓ Integrated display
- ✓ Works with any cooling lubricant
- ✓ Connection via Wifi, Ethernet and SIM
- ✓ Optional online dashboard for remote monitoring
 - Visualization of the measurement results in graphs (Adjustable time frames)
 - Optional reporting by e-mail



Technical Data:

Electrical connection :	230V, 50 Hz, 750W	Konzentration (Brix):	0 – 40%	± 0,2%
Dimensions:	90 x 60 x 220 cm	pH:	0 – 12	± 0,1
Water connection:	¾ Zoll	Temperature:	0 – 40°C	± 1,0°C
Mixing capacity:	600 Liter central tank*	Fill level (Maschine):	Dependence on machine tank	± 5mm
Connection options:	Wifi, Ethernet, SIM	Fill level (KSS-Behälter):	Dependence on KSS-container	± 5mm
Alarm:	Mail, internal Display			

Our product meets the requirements of the applicable EU directives and is CE-certified in accordance with the relevant standards. It also meets the requirements for UKCA marking in accordance with UK regulations.

* The total mixing capacity of the LiquidMate depends on the capacities of the connected machines.

LiquidMate® | Spezifikation / Installation

Scope of delivery:

- **LiquidMate**

1 pcs.	Measuring sensors
1 pcs.	Integrated display
1 pcs.	600 litre central tank

- **Per connected machine**

1 pcs.	Machine tank level sensor
2 pcs.	Electrical connection cable
1 pcs.	Emergency shutdown
1 pcs.	Pump
1 pcs.	Electric servomotor

- **Per 6 connected machines**

1 pcs.	Sensor Actuator Box
1 pcs.	I/O Link
1 pcs.	Ethernet cable
1 pcs.	Power cable



Preparing measures:

- Two closed ring lines for flow and return
(Recommendation: 28mm VA cable pressed)

At the LiquidMate installation site:

- Power connection
- Water connection
- Cooling lubricant in storage container from 200 litres
- Network interfaces

On every machine:

- 2 ball valves at the end of the ring line on each machine
- Pump cable (control cable 2 x 0.5mm²) from the LiquidMate to each machine
- 2 cables (Lifyy 4 x 0.34mm²) from the distribution boards to each machine