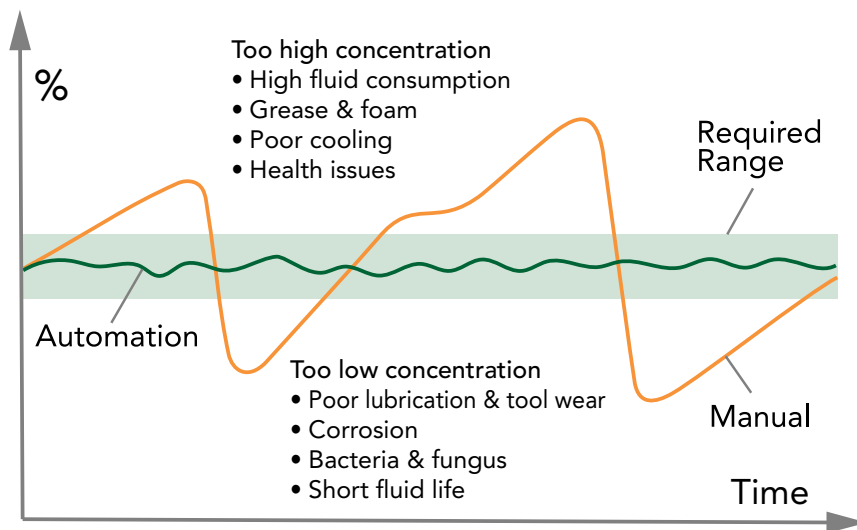


# AUTOMATED COOLANT MANAGEMENT

## FluidWorker® 50

Automatically measures and controls concentration and fluid volume. It improves production and work environment while reducing costs, e.g. for chemicals and tools.



Metal working fluid concentration outside required range affect production and environment.



### Automated Monitoring & Control

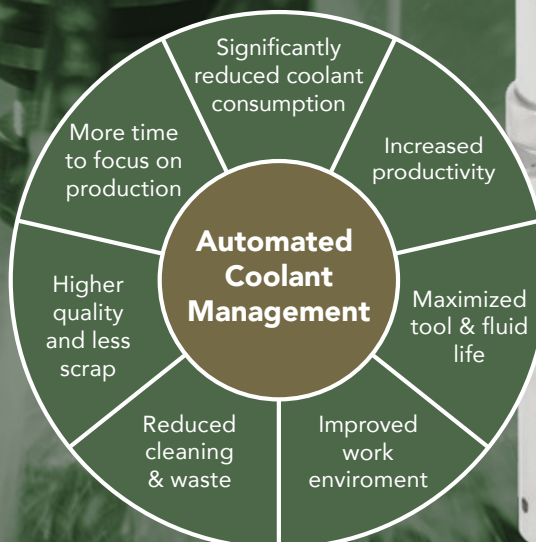
FluidWorker 50 replaces manual and time-consuming coolant maintenance, providing an optimal fluid quality. The operator can fully focus on production.

### Easy Installation & Self-Cleaning

The installation is plug & play and operation is maintenance free. A patented self-cleaning technology ensures accurate measurements and control.

### Secure Data – Industry 4.0

All measurements are recorded and kept confidential within your organization. Data can be accessed via Ethernet/OPC UA or USB.



Coolant automation results in increased productivity, better work environment and savings that can be found within several cost centers.

# FluidWorker® 50

## Automated Coolant Management

### General Specification

Concentration range and accuracy	2-15%±1% (BRIX sensor)
Fluid volume	0.2-1.5 m³
Recommended fluids	Emulsions & micro-emulsions
Concentrate viscosity	5-200cSt at 40°C
BRIX cleaning system	Automatic

### Monitoring & Interface

Human Machine Interface, HMI	5" colour touch screen
Weekly data / consumption	Concentration, Temp / Water
Network connection	OPC-UA, Ethernet (M12 D)
Update & log	USB

### Mechanical & Electrical

Weight / Weight including packing.	14,8 kg / 17,3 kg
Concentrate hose length	4 m
Fluid filtration	Inlet strainer
IP-Class	IP 21
Max ambient and fluid operating temperature	45°C
Water hose length (included)	2 m, ½" female
Incoming water pressure	2,5-10 bar
Power supply/consumption	230V 1-phase, 50 Hz/0-60W
Electrical cable length	3.7 m

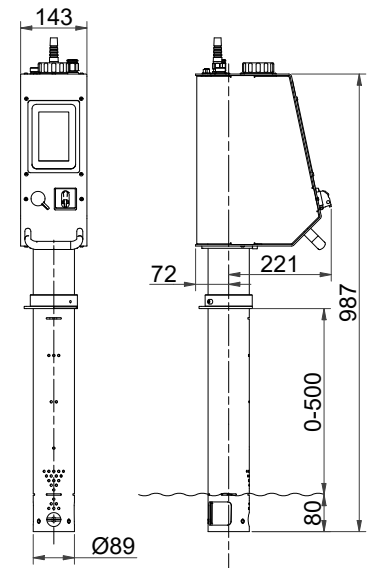
### Accessories

Concentrate tank	30L with magnetic bracket
Signal tower	green yellow red, 5m cable

Patent pending, patented technology and registered FluidWorker® trademark are property of Wallenius Water Innovation AB.



FluidWorker® 50 is installed on the coolant tank.



Product family	FluidWorker®50	FluidWorker®100	FluidWorker®150	FluidWorker®300
Function	Automatic Concentration & Tank Level Control	UV	UV, Automatic Concentration & Tank Level Control	UV
Automatic Concentration	2-15% ± 1%, tank volume <1,5m³	-	2-15% ± 0,5%, tank volume <5 m³	-
UV-function & other	-	UV<1.5 m³, UV-Boost, Inlet strainer (option: magnet)	UV<1.5 m³, UV-Boost, Inlet strainer & magnet	UV 3-16 m³
Flow of pump	-	3.9-5.6 m³/h	3.9-5.6 m³/h	6.5-10.5 m³/h
Automatic cleaning	BRIX	UV	UV & BRIX	-
Output data	USB/OPC-UA	-	USB/OPC-UA	-

**WALLENIUS**  
**WATER INNOVATION**

Wallenius Water Innovation is a Swedish company that develops sustainable and profitable solutions addressing significant health, safety, and environmental challenges within a variety of applications and industry segments. The main product families are, FluidWorker® which offers non-toxic and automated control of industrial process fluids, and AquaWorker® used for chemical free disinfection in water systems.