








FluidWorker[®] 150

Automated Fluid Quality

Automated control of concentration and fluid level with prevention of bacterial growth. Keep coolants in good condition and ensure a cost efficient, sustainable and stable production.

Fluid maintenance is a manual and time-consuming task that is difficult to control. This cause quality problems, production stops and unnecessary change-outs, which can represent 8-16% of the total production cost.

-  Automated monitoring of concentration & fluid level
-  Mixing & fill-up of water and concentrate to set values
-  Safe control of bacteria by UV-light
-  Self-cleaning BRIX sensor and UV lamp
-  30L concentrate tank
-  Ethernet and USB communication
-  Plug & play installation



2021-11-11



Improved operational performance

Keeping metalworking fluids bacterial free and in optimal condition has many advantages:

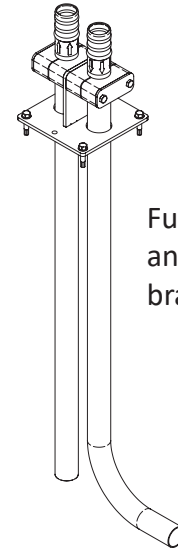
- o Improved machine up-time and productivity
- o Increased production quality and tool life
- o Reduced manual labour
- o Safe & attractive, biocide free workplace
- o Long-lasting fluids & less waste
- o Cost savings

FluidWorker[®] 150

Automated Fluid Quality



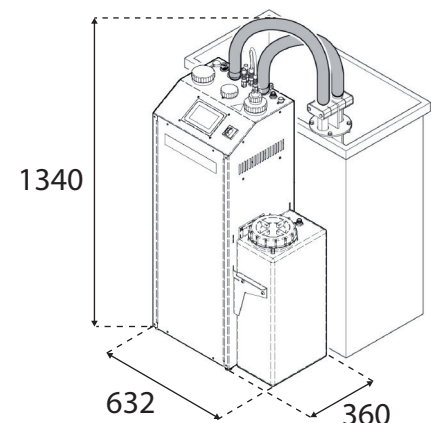
Technical specification	
Flow, adjustable	3.9-5.6 m ³ /hour
Number of UV lamps	1
Lamp power, adjustable	0-200 W
Pump power, adjustable	140-280 W
Total power consumption	160-500 W
Max ambient and fluid operating temperature	45°C
Suitable tank volume (system and fluid dependent)	0.2-1.5 m ³
Fluid concentration	2-15±0.5% BRIX
Concentrate viscosity	5-500cSt
Recommended fluids	Emulsions and micro emulsions
Self priming pump	Yes
Lockable on/off switch	Yes
Pressure sensor	Yes
Service timer	Yes
Automatic cleaning system	Yes
On/off via external signal	No
Inlet strainer / Magnetic filter	Included / Optional accessory
Material reactor, inlet and outlet pipe	Stainless steel EN 1.4301
Hose material, inside	NBR (fuel grade)
Sealings	FPM (Viton [®])
IP-class	21
Chassi material	Painted steel (RAL7035)
Pump material	Epoxy coated cast iron
Power supply	230V 1-phase, 50 Hz
HMI	5" colour touch screen
Network	RJ45, OPC-UA
USB	Yes, for SW update and log
Concentrate tank size	30L



Fully adjustable inlet and outlet pipe with bracket



Level sensor with protection



Dimension	
Weight, including packing material	Approx. 70 kg
Outer dimensions (W x D x H)	632 x 360 x 1340 mm
Lowest possible ceiling height	2.4 m
Inlet / outlet hose length	2 x 1.8 m
Water hose length (included)	2 m, ½" female
Electrical cable length	3.7 m
Included level switch range	20-370 mm below bracket

Patent pending and patented technology

WALLENIUS
WATER INNOVATION

walleniuswater.com • info@walleniuswater.com • +46 8 120 138 00 • Franzéngatan 3, SE-112 51 Stockholm