

FluidWorker100

Simple & safe bacteria reduction in small sumps

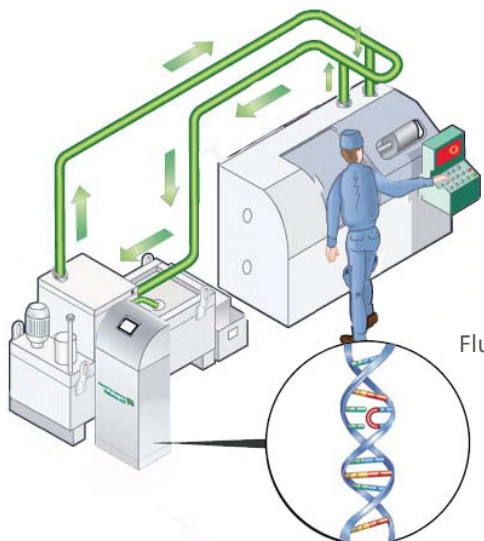
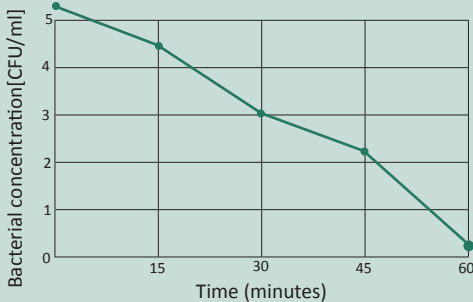


FluidWorker is based on UV technology that keep bacteria in process fluid under control, secures high productivity and extends the life of the fluid – without exposing employees for allergenic substances or carcinogens.

Ideal for small sumps with water-based process fluid used for metalworking (machining/deformation) and surface treatment (quenching/washing).

- Biocide free.
- Self-cleaning technology – minimum maintenance.
- Ensures stable production without downtime.
- Stand-alone unit - installed during production.
- Breaks down 99.9% of bacteria within a few hours.

External lab test

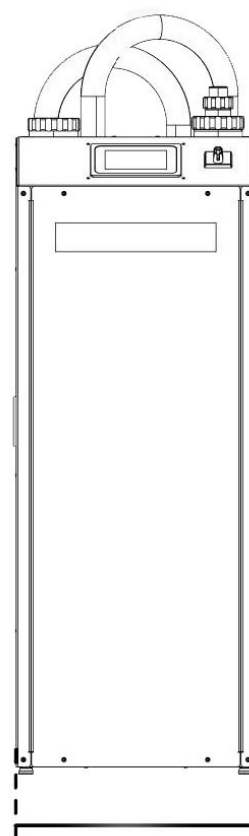


When the process fluid passes FluidWorker, it is irradiated with UV-C. The light inactivates the bacteria's DNA and makes the bacteria unable to reproduce.

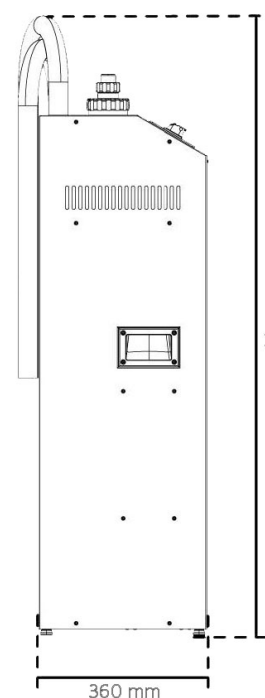
Get the best out of your fluid with our Process fluid blog

Technical specification

System	
Flow, adjustable	2.4-5.6 m ³ /h
Number of UV lamps	1
Total lamp power	168-202 W
Pump power adjustable	85-280 W
Total power consumption	270-500 W
Max ambient operating temperature	45°C
Max fluid temperature	45°C
Suitable for tank volume (system and fluid dependent)	0.5-1.5m ³
Self priming pump	Yes
Lockable on/off switch	Yes
Pressure sensor	Yes
Service timer	Yes
Automatic cleaning system	Yes
On/off via external switch	Emergency stop
Optional inlet filter	Yes
Reactor	
Material reactor, inlet and outlet pipe	Stainless steel EN 1.4301
Hose material, inside	NBR (fuel grade)
Sealings	FPM (Viton®)
IP-class	21
Control panel	
Chassi material	Painted steel (RAL7035)
IP class	21
Power input	230V 1-phase, 50 Hz
HMI	5" colour touch screen
Dimensions	
Weight excluding packing material	Approx. 48 kg
Exterior dimensions (W x D x H)	420 x 360 x 1340 (mm)
Lowest possible ceiling height	2400 mm

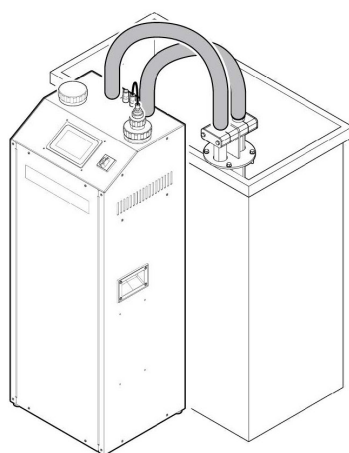


420 mm



1340 mm

360 mm



WALLENIOUS
WATER INNOVATION

A workplace without bacteria and toxic chemicals should be a right for everyone. We know that it's possible to purify process fluid without adding biocides - while our customers make a financial gain, and an important contribution to the environment.

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