

SUSTAINABLE PRODUCTIVITY BY SAFE CONTROL OF BACTERIA

FluidWorker® 300

UV technology reduces bacteria in industrial fluids, for a sustainable and increased productivity, giving the fluid a longer lifetime – without exposing employees to hazardous biocides.



INCREASES PRODUCTIVITY

FluidWorker ensures a stable production without stops, improves the quality of the fluid and prolongs its lifetime.

ENSURES SAFE WORK ENVIRONMENT

Enables process fluids without hazardous biocides and also makes it possible to choose more health and environmentally friendly fluids.

REDUCED IMPACT ON ENVIRONMENT

Fewer change-outs gives less waste and less consumption of water, chemicals and fossil resources. Makes it easier to fulfill local waste requirements.

REDUCES COSTS

When process fluids can be used for a longer time the costs are significantly reduced through lower consumption, fewer production stops and reduced waste. Lower levels of bacteria also reduces the filter media consumption.

SIMPLE INSTALLATION

Complete unit which can be easily installed during production in less than an hour.

FluidWorker® 300

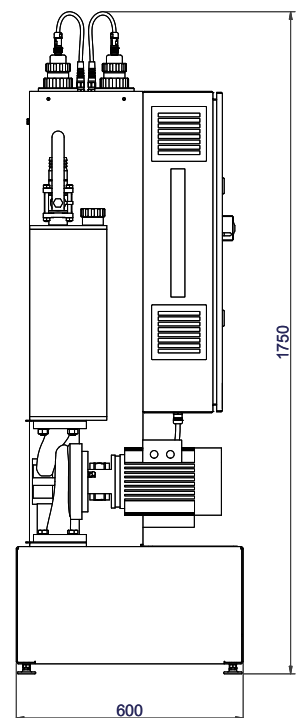
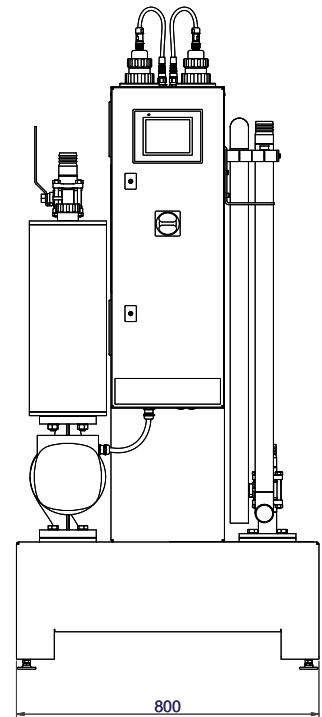
Safe Control of Bacteria

Ideal for 3-16m³ tanks with water-based process fluids used for metalworking, quenching and washing aswell as for recycling of process fluids.

Technical specification

| | |
|---|--------------------------------|
| Flow, adjustable | 6.5-10.5 m ³ /hour |
| Number of UV lamps | 4 |
| Power / Lamp power | 1300-3250 W / 750-1500 W |
| Max ambient and fluid operating temperature | 45°C |
| Suitable tank volume (system and fluid dependent) | 3-16 m ³ |
| Recommended fluids | Emulsions and micro emulsions |
| Movable with pallet jack | Yes |
| Self priming pump | Yes |
| Drainage | Yes |
| Lockable on/off switch | Yes |
| Pressure sensor | Yes |
| Service timer | Yes |
| Temperature sensor | Yes |
| On/off via external signal | No |
| Material reactor, inlet and outlet pipe | Stainless steel EN 1.4301 |
| Hose material, inside | NBR (fuel grade) |
| Sealings | FPM (Viton®) |
| IP-class | 54 |
| Chassi material | Painted steel (RAL7035) |
| Pump material | Epoxy coated cast iron |
| Power supply | 400V 3-phase, 50 Hz |
| 3 phase inverter connetor | 16A/400V, 5 pin/6 hrs |
| Standard wired output | Potential free relay for alarm |
| HMI | 5.7" colour touch screen |
| Weight, including packing material | Approx. 240 kg |
| Lowest possible ceiling height | 3 m |
| Inlet / outlet hose length | 3 m |

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



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.