

## MODEL MW1



PORTABLE  
POWER TURBOGEN



SMART BATTERY  
CHARGER



WATER NETWORK  
MONITORING



DRINKING  
WATER COMPLIANT



### Microturbine Specifications

Fluids	Water
Temperature	$-20^{\circ}\text{C} < T_{\text{amb}} < 60^{\circ}\text{C}$
Filtration	100 $\mu\text{m}$ or less
Pressure drop:	
Pin - Pout	From 0.5 to 2 bar
Pmax	5 bar
Tubing	Inlet 1"; discharge 1" 1/4
Fittings	Inlet 1"; discharge 1" 1/4
Dimensions; weight	$\varnothing$ 107 mm x L 131 mm; 2 kg
Max power	200W

### Control Hub Specifications

Voltage	12V or 24V (with buffer battery)
Protections	Overspeed, overvoltage, overcurrent
Connectivity	Modbus RTU - RS485
Output	3 Digital outputs
Enclosure	Stainless steel box - Screw mounting
Installation	Inside an electrical panel

### Certifications

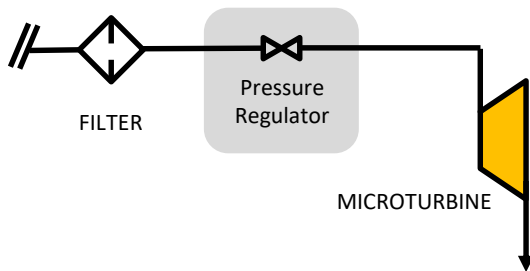
EMC Directive	EN 61000-6-1; EN 61000-6-3
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*The Microturbine is an energy harvesting device compatible with drinking water, which uses the energy of a water pressure drop. This energy is captured by the Microturbine and converted into electricity. The Microturbine is composed of a micro-expander integrated into an electric micro-generator and of the electronic control unit.*

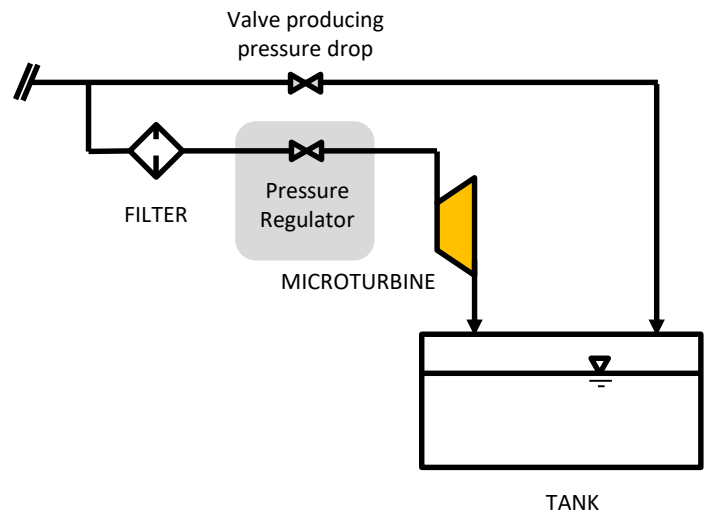
## INSTALLATION EXAMPLES

### Series installation



OPTION

### Parallel installation



Plug & Play



Weather independent



Minimal risk of theft/vandalism



CO2 emission reduction



IoT enabler - Real-time communication