



# RURAL AQUAKIOSK

## THE "MAXI" FROM Aqua Technique

*De 100 m<sup>3</sup>/day up to 400 m<sup>3</sup>/day*

### The product

The "MAXI" from Aqua Technique produces up to 400 m<sup>3</sup>/day of ultrafiltered water per day from a network, groundwater or surface water supply source.

The "MAXI" AQUAKIOSK delivers perfectly clear water with a turbidity of less than 0.1 NFU and 5 log removal of germs.

### Uses

Ideal for small communities, remote settlements, industrial uses and rural needs, real estate, hospitals, hotels.

### Operation & Maintenance

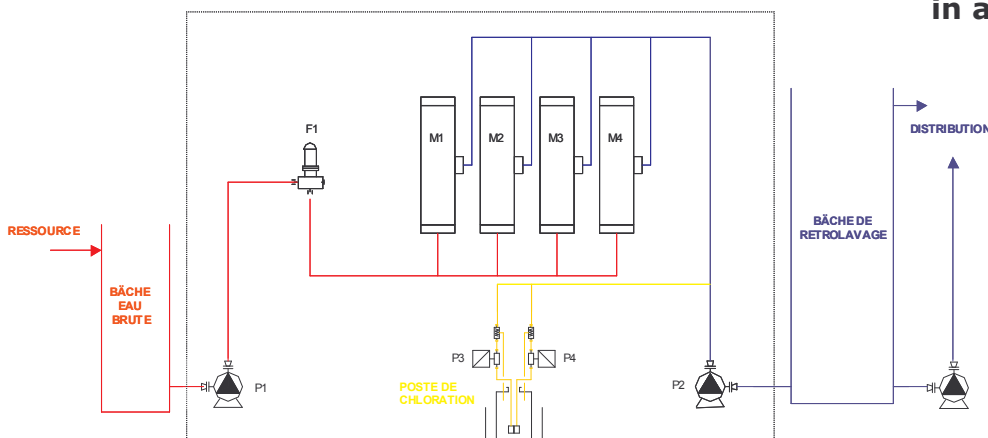
The "MAXI" AQUAKIOSK is a simple, robust machine developed by people with an expert knowledge of rural environments. Operation and maintenance require no particular skills and can easily be performed by the local community.

Manufactured in polysulfone, the ultrafiltration module has a long life span.



### ultrafiltration membrane

A simple filtration process (0.01µm) provides a hermetic barrier against suspended solids, algae, bacteria and viruses while retaining mineral salts. **Ultrafiltration is used for one-stage production of treated water performing clarification and disinfection in a single process.**

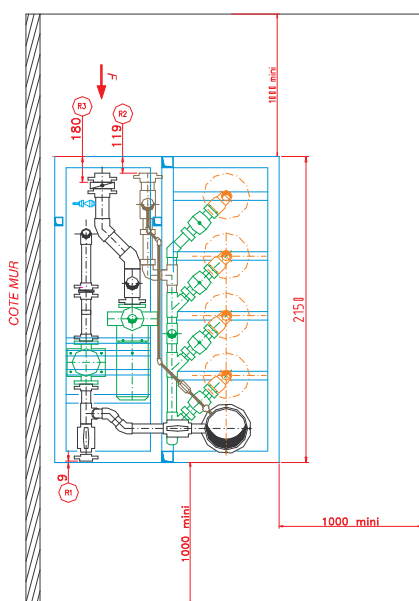


## How it works

- Protection of the membrane is ensured by a 130µm prefiltration process.
- Alimentation pump.
- The different cycles of operation are controlled by a series of automatic electric valves.
- Regeneration membrane tank using alimentation pump.
- Backwash water tank with pump.
- Switch box with micro control system.
- Dosing pump for chlorination

**Nota :** The supply source must be conform with WHO drinking water standard

## Technical characteristics



<b>Number of modules</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Net production flow (m<sup>3</sup>/day) 20 °C</b>	100	200	300	400
<b>Net production flow (m<sup>3</sup>/day) 10°C</b>	76	152,5	229	305
<b>Dimension LxIxh (mm)</b>	1,800 x 1,405 x 2,145			
<b>Weight without modules</b>	700 kg	800 kg	900 kg	1000 kg
<b>Operation weight</b>	800 KG	1000 kg	1200 kg	1400 kg
<b>Tension</b>	415 V three-phase			
<b>Installed power (PW)</b>	7,5 kW		9 kW	
<b>PW consumed for backwash</b>	4 kW			
<b>PW consumed for production</b>	1 kW	1,5 kW	2 kW	2,5 kW
<b>Maximum pressure</b>	1,5 bar for production, 3 bar for backwash			
<b>Maximum Outlet pressure</b>	0,5 bar			

## FOR FURTHER INFORMATION

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