

DRINKING WATER PRODUCTION UNIT FROM POLLUTED FRESH WATER

Production

- > 3 to 90 m³/h

Raw water / input

- > Polluted fresh water

Applications

- > Isolated villages
- > Hotels
- > Industry
- > Agriculture



CHARACTERISTICS

- > QUICK and EASY installation,
- > MECHANICAL FILTRATION technology, without chemical products,
- > EXCLUSIVE PRE-TREATMENT with disc filter,
- > ULTRAFILTRATION membranes system,
- > HIGH PERFORMANCE filters and membranes washing system, thanks to the combined use of water / air.

TECHNOLOGY



Disc Filtration
(100 µm)



Membrane filtration of UF
(0.08 µm)

FRAME



Open skid



Shipping container (on request)

AUTOMATION



Automatic control of:
> Equipment washing (automatic backwash system)
> Water quality

ELECTRICAL SUPPLY



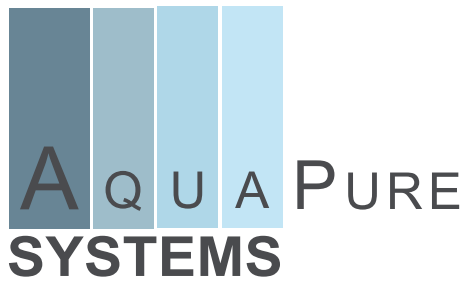
Solar energy (optional)



Electrical network



Generator



Skid



Containeur

OPTIONS

- > RESIDUAL CHLORINE dosing for disinfection of treated water,
- > Acid / Base dosage for pH ADJUSTMENT,
- > REMOTE CONTROL SYSTEM.

WATER QUALITY

INPUT

Polluted FRESHWATER from rivers, lakes, wells, etc.

- > High concentration of suspended solids and turbidity,
- > Dissolved elements in concentrations under allowed limits,
- > Microbiological and high organic matter concentration.

WATER PRODUCED

Water meeting the quality requirements for drinking water laid down in the QUALITY GUIDELINES DRINKING WATER of the World Health Organization:

- > TSS < 10 mg/l,
- > Turbidity < 1 NTU

CONDITIONS D'INSTALLATION

INSTALLATION REQUIREMENTS

Three phase power // 380 - 400 V AC // 50 Hz.

DIMENSIONS

According to the dimensions indicated keep a minimum free space of one meter around the unit for maintenance

OPERATION PARAMETERS

- > Supply pressure 2-4 bar : 2 - 4 bar
- > Ambient temperature : 0 - 40 °C
- > Water temperature : 5 - 30 °C