

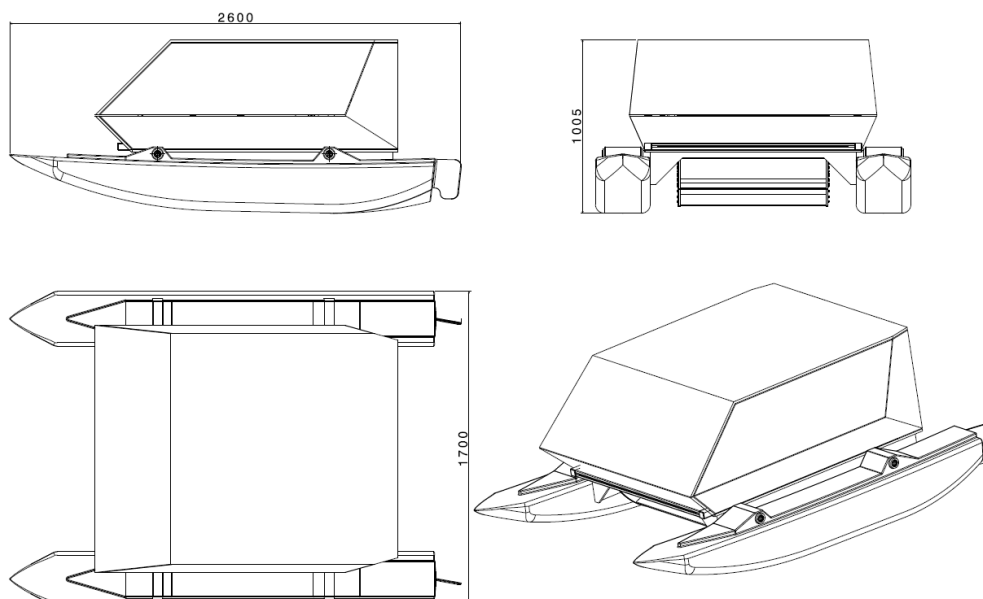


Waver

Technical Data Sheet

Waver is a compact facility for the extraction of drinking water from free-flowing waters. Possible applications arise from the self-sufficiency of the system, since neither electricity nor power generators are necessary. The type of water treatment in this form is unique worldwide.

Length	2,60 m
Width	1,70 m
Height	1,05 m
Weight	approx. 200 kg
Output	approx. 2.000 l/d (at flow rate of 1 m/sec.)
1. Stage - primary filter	Pore size 5 micron - Removal of tiny particles (suspended matter)
2. Stage - active carbon filter	High quality coconut granules - removal of chlorine, phenol and benzene
3. Stage - active carbon filter	Pressed coconut granules - removal of solvents, pesticides and inorganic substances
4. Stage - reverse osmosis membran	Removal of coliforms, bacteria, herbicides, fungicides, nitrate, nitrite, uranium and heavy metals of all kinds
5. Stage - active carbon filter	Invigorating the water and preparing the taste
6. Stage - mineral after filter	Water enrichment e.g. with calcium, magnesium, sodium, potassium etc.



Construction



Required information for the design of the system

- 🔦 **Need:** How much water is needed?
- 🔦 **Qualitative needs:** What is the water quality? How strong is the river contaminated? Which pollutants must be filtered out of the water?
- 🔦 **Information about the river section:** What is the flow speed of the river in the intended section (at least 0.8 m/s necessary)? What is the width of the river? Is the river used by shipping? Are there any legal restrictions?
- 🔦 **Water und Infrastructure:** Is there a connection to a water supply system? How is the existing supply system structured? Is flotsam present in the river? Is there a risk of flooding and is there information about the highest measured water level in the past? How should the system be fixed on the bank or in the riverbed?

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