



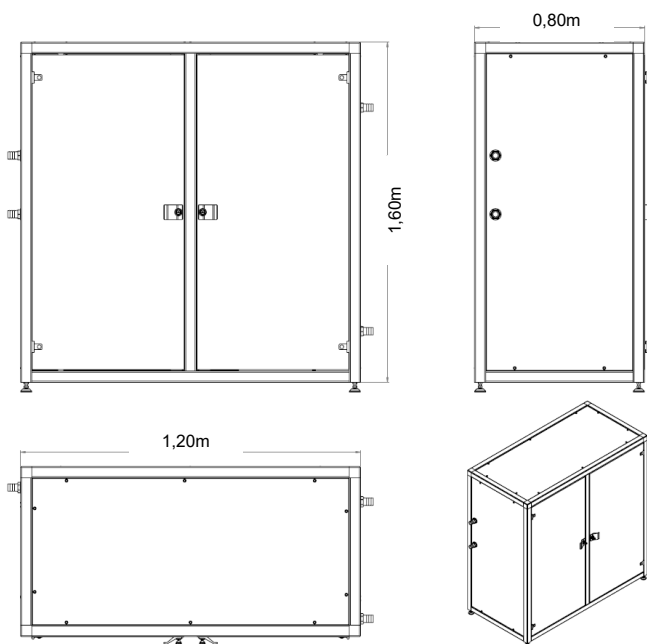
**PurePowerBlock**

## Technical Data Sheet

The **PurePowerBlock** is a compact system 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.

<b>Length</b>	1,20 m
<b>Width</b>	0,80 m
<b>Height</b>	1,60 m
<b>Weight</b>	approx. 100 kg
<b>Output</b>	approx. 4000 l/d
<b>Primary stage</b>	Pore size 500 micron - Removal of coarse particles (coarse sand and sludge)
<b>1. Stage - superfine filter</b>	Pore size 150 micron - Removal of coarse particles (sand and fine sludge)
<b>2. Stage - superfine filter</b>	Pore size 50 micron - Removal of small particles (fine sand)
<b>3. Stage - superfine filter</b>	Pore size 5 micron - Removal of tiny particles (suspended matter)
<b>4. Stage - with ultrafiltration</b>	Removal of coliform germs, bacteria, herbicides, fungicides
<b>4. Stage with reverse osmosis</b>	Removal of coliform germs, bacteria, herbicides, fungicides, nitrate, nitrite, uranium and heavy metals of all kinds
<b>5. Stage - active carbon block (with ultrafiltration)</b>	Reduction of organic and inorganic contaminants, improvement of smell and taste as well as dichlorination
<b>5. Stage - mineral after filter (with reverse osmosis)</b>	Water enrichment e.g. with calcium, magnesium, sodium, potassium etc.
<b>6. Stage - UV system</b>	Removal of bacteria, viruses and spores

## 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 lake, the well water, the rainwater contaminated? Which pollutants must be filtered out of the water?
- 🔦 **Water und Infrastructure:** Is there a connection to a water supply system? How is the existing supply system structured?

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