PAUL®: the Waterbackpack for emergencies

The
WaterBackpack
Company GmbH
www.waterbackpack.org

PAUL® standard unit – for private use 1,850.00 €
40 x 40 x 106 cm, 23 kg, min 1,200 L/d, avg. >2,500 L/d

All prices **excl. VAT** and **EXW Kassel/Germany**
All prices are valid starting **01.04.2025** and are subject to change without prior notice

PAUL® station: permanent water supply

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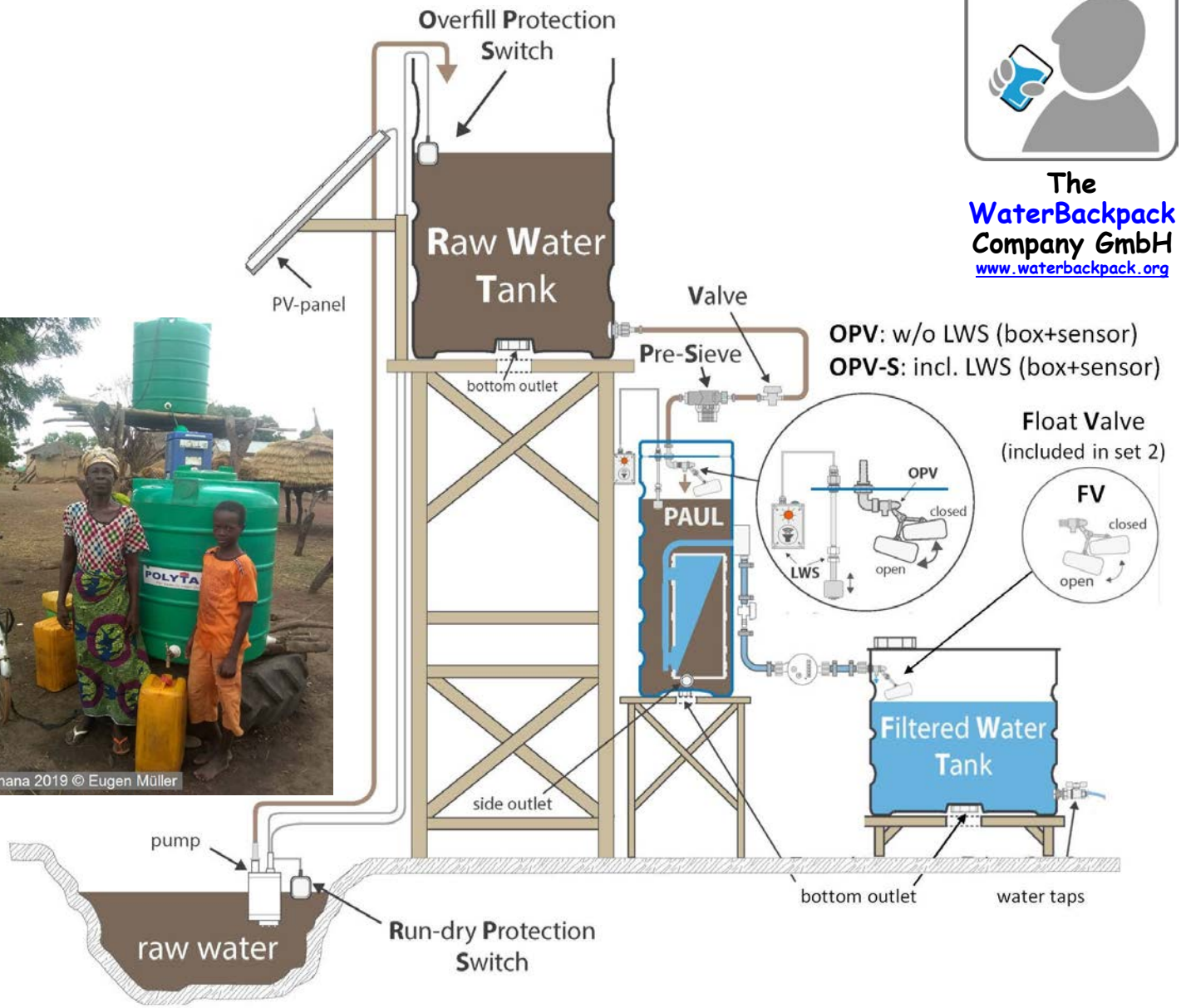

Parts and prices – private use

PAUL® station	minimum	essential
PAUL standard unit	1,850 €	
OPV Overfilling **P**revention **V**alve – **please see note!**	140 €	
OPV-S **OPV** with sensor+LWS box – **please see note!**	350 €	
Set 1: connection RWT to PAUL (incl. RWT connector, sieve, valve, hose etc.)		200 €
Set 2: connection PAUL to FWT (incl. flowmeter, float valve, hose etc.)		240 €
Set 3: side outlet with transparent hose		45 €
Set 4: outlet for FWT		80 €
	1,990 €/2,200 €	565 €

note: either **OPV** or **OPV-S** **is necessary for permanent supply!**

Also available (first, please check local conditions):		
OPS	**O**verfilling **P**revention **S**witch for the RWT	60 €
RPS	**R**un-dry **P**revention **S**witch for the pump	60 €

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We do **not** offer pumps, hose from water supply to RWT, tanks (RWT, FWT) and stands, as these items can best be provided locally

PAUL® / PAUL® station order form

Herewith I order the following:

Quantity	Item	unit price	total
___ pcs	**PAUL®** standard unit including printed manual in ☐ English ☐ French	1,850.00 €	_____ €
___ pcs	**OPV** (to set up a **PAUL®** station, **either** OPV	140.00 €	_____ €
___ pcs	**OPV-S** **or** OPV-S is necessary)	350.00 €	_____ €
___ pcs	**Set 1**: Connection from RWT to **PAUL®** incl. 1" RWT connector with valve, sieve, hose and parts	200.00 €	_____ €
___ pcs	**Set 2**: Connection from **PAUL®** to FWT incl. flow meter float valve for FWT, hose and parts	240.00 €	_____ €
___ pcs	**Set 3**: side outlet with transparent hose and parts	45.00 €	_____ €
___ pcs	**Set 4**: outlet for FWT including FWT connector and valve, 1" diameter	80.00 €	_____ €

Depending upon local circumstances, also these items can be helpful:

___ pcs	**OPS**: **O**verfilling **P**revention **S**witch for RWT	60.00 €	_____ €
___ pcs	**RPS**: **R**un-dry **P**revention **S**witch for the pump	60.00 €	_____ €

Also available:

___ pcs	Replacement membrane module membrane area ☐ 10 m² (standard type) ☐ 6 m² (in case of extreme solids)	650.00 €	_____ €

All prices **excl. VAT** and **EXW Kassel/Germany** **total amount** _____ €

Country of destination: _____

City/GPS location of destination: _____

Address **invoice**

_____

_____

_____

_____

Address **delivery**

_____

_____

_____

_____

Place and date _____

Signature _____

phone no. _____

Important! With my signature I also assure that

☺ I will follow the notes as outlaid on the next page and **submit feedback** as soon as possible to paul@waterbackpack.org

Notes for PAUL users – please read thoroughly **01.04.2025**

1. For the benefit of all **PAUL** users, I collect **flow data**. There are two ways to measure:
   a. If you operate a **PAUL** station with water meter, then the procedure is described in the manual in chapter 6.2.2.
      Below is attached the **form** with the help of which this can be done.
      The manual asks for a weekly measurement, which I think would be wonderful, but even **monthly measurements** would be a great help to all users of **PAUL**, so my strong request is that such results be sent to me.
   b. For **PAUL** without water meter: **Fill PAUL completely**, **filter into a bucket** and measure the **time** necessary to fill that bucket. Then please let me know **date&time**, the **volume of the bucket filled**, the **time necessary**, the **location** and the **PAUL serial number** stamped on the top cover.
   c. It would be very helpful if you would take such measurements **periodically**, preferably right at the beginning and then at (ever increasing) intervals....,
2. I would also be very grateful for **text and picture material**, in order to also gain infos the use of **PAUL** and its installation/operation environment. Please **give me your consent** to use this material (pls indicate the appropriate **copyright text** , e.g. date&time, location author….).
3. Before setting up a **PAUL** station, think about the following **advices** and **see the assembly video** on www.waterbackpack.org :
   a. In order to mount the hose from the Raw Water Tank RWT to the hose connection on the OPV and to be able to work on the top of **PAUL** if necessary, I recommend to leave a headspace above **PAUL**. The more you provide, the easier, see also next point!.
   b. The OPV is hinged on one side. The purpose of this is to be able to fill in water manually even when **PAUL** is permanently installed, either with a bucket (headspace needed, see previous point) or via a hose etc.. The purpose is described in **chapter 6.4.2** of the manual. Then, of course, temporarily shut off the inflow from the RWT with the valve in the hose (**operating point!**).
   c. The side drain (seen from the front) at the bottom left of **PAUL** (see Manual, fig. 12) is an **operating point** and thus should be **easily accessible** both for daily water level checks and for weekly draining of the sediment, see Manual Chap. 6.1.1 and 6.2.1.
   d. The **strainer** in the hose from the RWT to the OPV and the **valve there** are also **operating points**. It is recommended to arrange both in such a way that easy access is ensured (e.g. close to the side drain).
4. The rule for **PAUL** (also within a **PAUL** station arrangement) is that the membrane must not dry out **completely**. However, a break of a few days is not harmful! **See next point!**
5. **Note:** when stopping filtration, always **close valve after PAUL first** to ensure that PAUL still at least is halfway filled with water!
6. If any issues arise with your **PAUL**/**PAUL station**: we try our best to help, but you have to **provide reasonable material**: as many **photos** as possible of **all** aspects of installation, high quality photo of filtered water vs. raw water in glass, description of plant operation before the event, measurement results (see point 1 above!), any analytical results etc.etc.

Weekly Maximum Filtration Test (see footnote / Manual Chapter 6.2.2)

Location: _____

PAUL S/N: _____ please return data to paul@waterbackpack.org

Start test Date	Start test Time hh:mm:ss	Start test Count	End test Date	End test Time hh:mm:ss	End test Count	Remarks signature
15.02.25	11:02:00	12.214	15.02.25	11:17:00	12.242	**this is a sample**
	___:___:___			___:___:___		
	___:___:___			___:___:___		
	___:___:___			___:___:___		
	___:___:___			___:___:___		
	___:___:___			___:___:___		
	___:___:___			___:___:___		
	___:___:___			___:___:___		
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	___:___:___			___:___:___		
	___:___:___			___:___:___		
	___:___:___			___:___:___		
	___:___:___			___:___:___		
	___:___:___			___:___:___		

1. Assure that PAUL is filled up and enough water is in the RWT.
2. Assure that the effluent of PAUL is open. If FWT is connected, float valve in the FWT must be fully open.
3. Note all digits of the water meter, including the three red ones, see Figure 16, and the exact date and time
4. Let PAUL filter at least 10 minutes (or more) and then again note all digits and the exact date and time