

# SOWAT



INNOVATIVE  
TECHNOLOGY



NO  
CHEMICALS















PRESERVING  
MINERALS



LONG  
LIFETIME

SATISFYING THE WORLD'S THIRST  
WITH PURIFIED WATER

				
		HABITAT	COMMUNITIES	EMERGENCY AID
FIELD OF APPLICATION				
TYPE OF APPLICATION		upgradeable	stationary	ambulant
PERFORMANCE (in 1'000 liters per hour)		2.4 / 4.8 / 7.2	4.8 / 9.6	9.6
ELECTRIC POWER CONSUMPTION (in kilowatts per hour)		< 2	< 2 / < 3	< 3
<b>PREFILTRATION CLUSTER</b>				
PREFILTER	≤ 100μ	REMOVING FIRST IMPURITIES		
ACTIVATED CARBON		ERASING CHLORINE, BAD TASTE & OFF ODOURS		
RECYCLED GLASS	≤ 25μ	REDUCING HARMFUL SUBSTANCES		
<b>ULTRAFILTRATION</b>	≤ 0.01μ	<b>4x / 8x / 12x</b>	<b>8x / 16x</b>	<b>16x</b>
		BLOCKING BACTERIA & VIRUS		
<b>BACKWASHING SYSTEM</b>				
SELF-PURIFICATION PROCESS				
PUMP STATION		external	in-/external	external
		(hydrophore & submersible)		

The SOWAT system is a unique technology, providing drinkable water from any source (e.g. river and wells) only by physical filtration principle without using chemicals, reversed osmoses neither UVC.

It retains particles, pollen, parasites, algae, bacteria, even viruses, large organic pollutants and most colloids. The useful minerals for the body remain in the output.

The SOWAT system delivers from 24 m<sup>3</sup> to 240 m<sup>3</sup> of drinkable water per day. According to the WHO guidelines the performance of SOWAT brings drinkable water for at least 1'000 to 10'000 people.

### TECHNOLOGY VALIDATED

(BY THE INSTITUTE OF FILTRATION & TECHNIQUES SEPARATIVE)

### SUSTAINABLE

(NEGLECTIBLE CONSUMABLES)

### ENERGY-SAVING

(LOW POWER CONSUMPTION)

### COST-EFFECTIVE

(≤ 2 USD PER PERSON/YEAR)

### ECO-FRIENDLY

(LESS WASTE/PERSON)

### SUPPORTING AUTONOMY

(COMMUNITIES ARE INDEPENDENT)

### ROBUST & RELIABLE



THE WORLD HEALTH ORGANIZATION'S GUIDELINES  
MIN. 20 LITERS/DAY/PERSON



1'000'000'000  
PEOPLE DON'T HAVE CLEAN  
WATER



EVERY MINUTE A NEWBORN  
DIES FROM INFECTION  
CAUSED BY LACK OF SAFE WATER



2<sup>ND</sup>  
LEADING CAUSE OF DEATH AMONG  
CHILDREN IS DIARRHEA



2030  
GLOBAL LEVEL OF HYDRIC STRESS  
WILL INCREASE TO 40%



> 1'000'000  
TONS OF PLASTIC WASTE IN THE  
OCEANS

# KHAR



HYDRO  
SOLUTIONS



AGRICULTURE



RESEARCH & DE-  
VELOPMENT



WORLDWIDE

