

The SolarSpring UF 0.5WM

purification system is a compact and innovative water treatment plant. It guarantees a reliable and safe water supply from dirty and microbiological contaminated water sources without using chemicals. Automatic operation, low maintenance and easy plug & play setup are the features of this system.



Specification – SolarSpring UF 0.5WM

Application	Water purification from turbid and microbiological contaminated water
Raw water source	Rivers, lakes, wells, boreholes and contaminated tap water
Water quality	Up to 99.999 % retention of microorganisms, bacteria and viruses
Nominal flow capacity	500 l/h (100 - 900 l/h possible)
Supply	From existing pressure pipe or integrated feed pump (optional accessories)
Filtration yield	99%
Power consumption	8 W
Dimensions	1270 x 780 x 292 mm (LxWxH)
Weight	51 kg
Housing	Stainless steel platform for wall mounting
IP degree of protection	IP55
Pre-treatment	Strainer 1000 µm
Main-treatment	High quality UF-module with robust multi-bore membrane 12 m ² / 0.02µm and automatic back flush system
Post-treatment	Optional
Operation	Automatic PLC controlled operation with display and data logger
Power source	Grid (100-240 VAC 50/50Hz) or solar (24VDC)
Ambien temperature	0-50°C
Water temperature	2-40°C
Feed turbidity	Standard membrane <50 NTU / max. 100 NTU (short term peaks) Heavy membrane <200 NTU / max. 400 NTU (short term peaks)
Filtration pressure	0.1 – 1.5 bar
System pressure	1.0 – 2.5 bar
Backwash pressure	3.0 bar
Max. system pressure	6 bar
Optional accessories	<ul style="list-style-type: none"> • Surface or submersible feed pump 24 VDC • Solar package including: Solar panels 600Wp, 24V Solar charge controller 40A, 24V High cycle AGM battery 100Ah, 24 V, 2500 cycles @ 50% discharge • Service cleaning package (pump and tanks for CIP)