



SAS-W2500 – Mobile Water Purification

Gasoline Version for Rapid Deployment



The SAS-W2500 is our unit for the purpose of water purification. The machine is the result of a three-year development and test phase, was presented at the Interschutz 2022 international trade fair in Hannover, and tested in joint exercises with THW SEEWA, B-FAST, and DEMA. The SAS-W2500 uses multi-stage filtration. A modular system enables the user to implement various filtration and disinfection processes including sediment filtration, microfiltration, ultrafiltration, active charcoal, UV-light disinfection, and a chlorination module. A newly developed automated filter cleaning mechanism ensures long-standing times without manual interference. The reliability and durability of the product is emphasized by the fact that it has no electronics on board.

Filtration capacity	2500 – 3000 l/h
Weight	135 kg
Dimensions [L x W x H]	120 cm x 100 x 76 cm – [EPAL2, LD3]
Power source	Electric 230 V / 50 Hz
Water source	Any non-saline water source
Filtration technology	Micro-/ Ultrafiltration
Filtration depth	Basic sequence: 10 µm, 1 µm, 0,1 µm – possible up to 0,04 µm

One possible use for the SAS-W2500 is a setup for rapid deployment. Therefore a 5 m suction pipe and gasoline engine is included in the system. The setup for the filter cascade contains two self-cleaning filter units connected serially with a 1 µm wound filter and an 0,2 µm fold element filter for heavy and light sediments. Afterwards a filter cassette with two charcoal filters and a 0,1 µm membrane filter is included for smallest impurities. This setup runs completely autonomously without any electricity and can be used from a trailer or the back of a vehicle. (Order-Code: SAS-W2500-MS-2S1P0-PCS)





SAS-W2500 – Mobile Water Purification

Electric Version with UV-Disinfection



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Filtration capacity	2500 – 3000 l/h
Weight	135 kg
Dimensions [L x W x H]	120 cm x 100 cm x 76 cm – [EPAL2, LD3]
Power source	6,1 PS gasoline engine
Water source	Any non-saline water source
Filtration technology	Micro-/ Ultrafiltration
Filtration depth	Basic sequence: 10 µm, 1 µm, 0,1 µm – possible up to 0,04 µm

For a long-term use of the system, an electrical setup is recommended. Starting with an electric engine, a filter setup with two self-cleaning filter units and an UV-Unit should be installed. The self-cleaning filter units contain a 1 µm wound filter and 0,2 µm fold element filter for heavy and light sediments. The UV-unit contains a charcoal filter with an UV-Disinfection afterwards. (Order-Code: SAS-W2500-MS-2S0P1-EBS)

