

PURION Compact system Mobile Concept

...is characterized by compact construction and a high degree of efficiency respecting to disinfection and energy consumption. The construction design follows laws, standards and regulations.



The pre assembled PURION Compact system Mobile Concept allows for the immediate supply of drinking water and consists of a UV plant, filters and a pump.

The system enables chemical-free treatment of the water by piping with three-way valves without duplication of components:

- filling the tank with water
- storing the water in the tank
- tapping of the water from the tank

In addition to the UV system, two filter positions can be occupied with particle or special filters. Furthermore three filters can be equipped with filter cartridges.¹

The delivery rate of the pump is adjusted to the disinfection power of the PURION UV plant (400 l/h). The pump works pressure controlled. To ensure disinfection the pump is released approx. 30 seconds after switching on the UV plant.

The power supply can be carried out with 12 V DC or 24 V DC. The compact construction design enables an easy replacement of the UV lamp and filter cartridges.

Due to the compact design this system is suitable for mobile applications like camping & caravan.

manufacturer	PURION [®] GmbH
type	PURION Compact system Mobile Concept
flow rate	400 l/h drinking water
UVC-transmission	90% T ₁ cm
temperature of water	2°C to 40°C
UV plant	PURION 500
number of filters	2
delivery rate pump	400 l/h
dimension complete system (L x B x H in mm)	640 x 300 x 425
weight complete system	13,0 Kg
max. working pressure.	10 bar
protective system	IP 65
electrical connection	12/ 24 V DC
power	1 x 10 W (UV) 1 x 48 W (pump)
over current protection	8 A

The PURION Compact system Mobile Concept is applied at:

Camping & Caravan	•
Expedition	•
Mobile water supply	•

Advantages

- additional chemicals are not required for disinfection
- smell and taste of the water are not influenced by radiation
- option for adjustment to local conditions via configuration of the filters
- manageable maintenance
- small operation expenses

¹ e.g. activated carbon