

PURION tropical-box active for mobile water disinfection

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



The PURION "tropical-box active" is a compact plant for water disinfection. Due to its low energy consumption, the system can be operated up to 20 hours with the integrated lead-acid battery. Charging of the battery can be done with a solar panel or 110-230V power supply.

With the extraordinary efficiency, the high drinking water flow rate of 400l / h, the low dimensions and the low weight the PURION "tropical-box active" is excellent suitable for applications in remote regions.

Furthermore, this system is in line with German drinking water regulations.

manufacturer:	PURION GmbH
type:	Tropical-box active

technical data "tropical-box active":

flow rate:	400 l/h drinking water
battery performance:	ca. 20 h
dimension (h x w x d)(mm):	600x270x380
total weight:	17 Kg

technical data UVC plant:

manufacturer:	PURION GmbH
type:	PURION 500
flow rate:	400l/h
UVC-transmission:	90% T1cm
temperature of water:	2°C to 40°C
reactor:	stainless steel 1.4571
flanges external thread:	R 1/2"
life time of lamp:	10.000h
dose:	400J/m ²
temperature max.:	40°C
max. working pressure:	10 bar
total power:	11 W

technical data pump:

voltage:	12V
max. flow:	400 l/h
max. lifting height:	7m
pressure switch:	1,3bar
pressure shutdown:	2,1bar
suction height:	2,5m
total power	15 W

technical data battery:

voltage, current:	12V DC , 24 Ah
material:	lead-gel

The PURION "tropical-box active" is been used to provide remote villages in the Amazon region of Brazil with drinking water for years now. In cooperation with the "world's food initiative" these plants have been also used successfully in Haiti which was heavily devastated by an earthquake. The PURION "tropical-box active" has proven the performance, reliability and robustness very often.