

## **PURION POOL 80**

...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.



picture: PURION POOL 80

The integrated plant PURION POOL 80 consists of a filtration of sediments and UV based disinfection of pool water. It is applied to disinfect circulation water of pools.

The upstream filter unit with "top mount" 4-port valve consists of a Polyethylene filter tank (filled with activated filter granulate - special quartz) and a rotary pump. The pre filter removes sediment from the pool water. The following UV based disinfection prevents biological activities - especially forming of algae.

In comparison to traditional chemical based treatment of the pool water it is possible to save up to 95% of the used chemicals. The UV plant can be optionally equipped with an Operating Time Counter (OTC) to monitor the service life of the PURION UV lamps.

The used UV-lamps are characterized by a long durability and a high degree of efficiency respecting to disinfection and energy consumption.

The compact construction design enables an easy replacement of the UV lamp at the end of their service life. You don't need any tool.

type PURION® GmbH  type PURION POOL 80  pool dimension 80 m³ (20 h operation) 60 m³ (15 h operation)  dimension L x W x H in mm 850 x 630 x 1.290  weight (without filling of the filter tank) 48 kg  UV plant PURION 2501  life time of lamps 10.000 h  monitoring option OTC  temperature of water 2 - 40 C°  max. delivery rate rotary pump 12 m³/h  max. working pressure 2 bar  quantity special quartz 85 kg  material filter tank Polyethylene  valve filter tank top mount 4 port valve connection nozzle staged D 40/32  filter medium AFM active  electrical connection 230 V  protective system IP 54  over current protection 10 A		
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pump  max. working pressure  quantity special quartz  85 kg  material filter tank  Polyethylene  valve filter tank  top mount 4 port valve  connection  nozzle staged D 40/32  filter medium  AFM active  electrical connection  230 V  protective system  IP 54	temperature of water	2 - 40 C°
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material filter tank  valve filter tank  top mount 4 port valve  connection  nozzle staged D 40/32  filter medium  AFM active  electrical connection  230 V  protective system  IP 54	max. working pressure	2 bar
valve filter tank top mount 4 port valve connection nozzle staged D 40/32 filter medium AFM active electrical connection 230 V protective system IP 54	quantity special quartz	85 kg
connection nozzle staged D 40/32 filter medium AFM active electrical connection 230 V protective system IP 54	material filter tank	Polyethylene
filter medium AFM active electrical connection 230 V protective system IP 54	valve filter tank	top mount 4 port valve
electrical connection 230 V protective system IP 54	connection	nozzle staged D 40/32
protective system IP 54	filter medium	AFM active
	electrical connection	230 V
over current protection 10 A	protective system	IP 54
	over current protection	10 A

## **Advantages**

- plug and play system for immediate operation
- up to 95% reduction of chemicals compared to chemical treatment oft he water
- considerable cost cutting due to less cost for chemicals
- manageable maintenance
- small operation expenses

