

PURION®

THE BEST SOLUTION

WATER

SOLUTIONS FOR TREATMENT OF WATER



CATALOG OF PRODUCTS



UV: DISINFECTION WITHOUT CHEMICALS

UVC based disinfection operating principle

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disinfection of water and liquids

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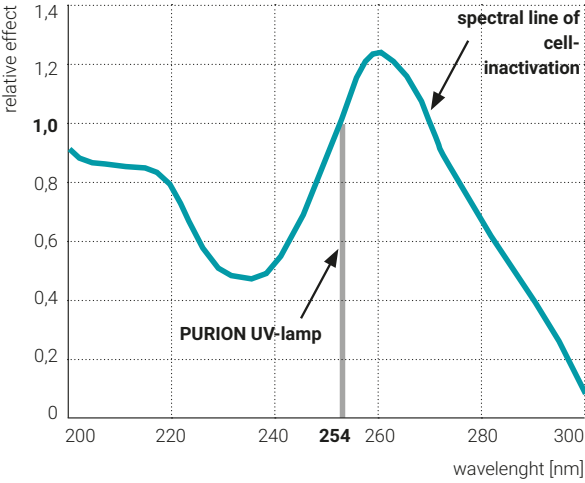
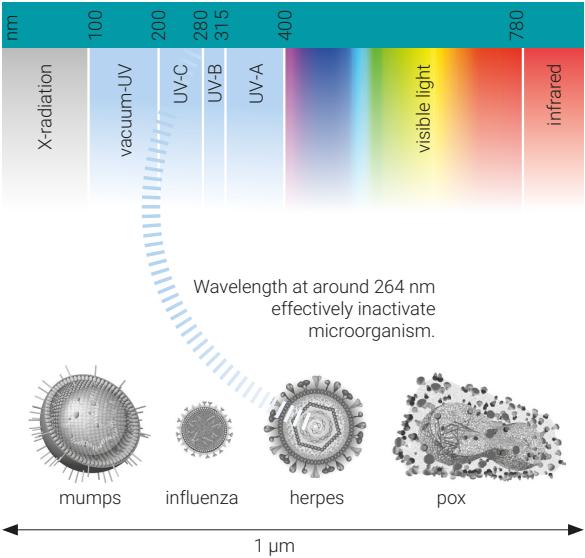
company with tradition and innovation

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Disinfection with UVC

OPERATING PRINCIPLE



Microorganisms such as bacteria, moulds, yeasts and protozoa can be destroyed or removed by physical, biological and chemical methods.

UVC works using a photolytic effect whereby the radiation destroys or inactivates the microorganism so that it can no longer multiply. The phenomenon whereby microorganisms can be disfigured or destroyed is independent of host state (fluid or solid) and indeed pH or temperature.

Therefore disinfection of fluids, air and surfaces without using chemicals or high temperatures becomes possible in new applications.

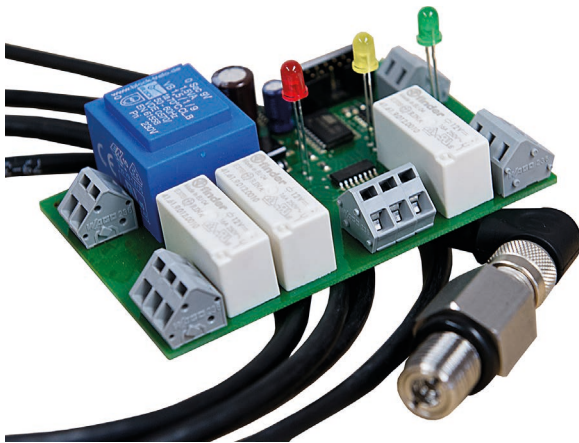
Ultraviolet is that part of electro-magnetic radiation bounded by the lower wavelength extreme of the visible spectrum and the upper end of the X-ray radiation band. The spectral range of ultraviolet radiation is, by definition between 100 and 400 nm (1nm=10⁻⁹m) and is invisible to human eyes.

A strong germicidal effect is provided by the radiation in the short wave UVC band. The UV radiation emitted by a source is expressed in watts (W) and the irradiation density is expressed in watts per square meter (W/m²).

For germicidal action dose is important. The dose is the irradiation density multiplied by the time (t) in seconds and expressed in joules per square meter (J/m²). 1 joule is 1 watt-second.

CONFIGURATION OPTIONS

FOR MONITORING OF THE PURION UV-PLANTS



PURION guarantees disinfection for an operating time up to max. 10.000 h or max. 8.000 h for PURION UV-lamps with Amalgam technology for high ambient temperatures up to 90 C°.

After 10.000 h or 8.000 h of operation the UVC-intensity falls below 60% of the initial value. All technical performance data of the PURION UV plants have been derived from this "end of life" value.

Therefore the PURION UV-lamp has to be replaced after 10.000 h / 8.000 h.

The UVC-light that is decisive for disinfection has a wavelength of approx. 260 nm and cannot be detected by human eyes. In consequence it is not possible to determine the aging of the PURION UV-lamp without monitoring options.

Besides the basic monitoring of the operation status (control light) PURION provides several options for automatical detection and signaling of the lamps age and disinfection performance

With PURION configuration options for the monitoring of the UV plants it is guaranteed that the replacement of the UV-lamps is duly carried out.

PURION Monitoring of the UV-lamps operational time

Operating Time Counter – OTC



The Operating Time Counter (OTC) option monitors the life time of the UV lamp via summation of the operating time. The current status is displayed via LED's.

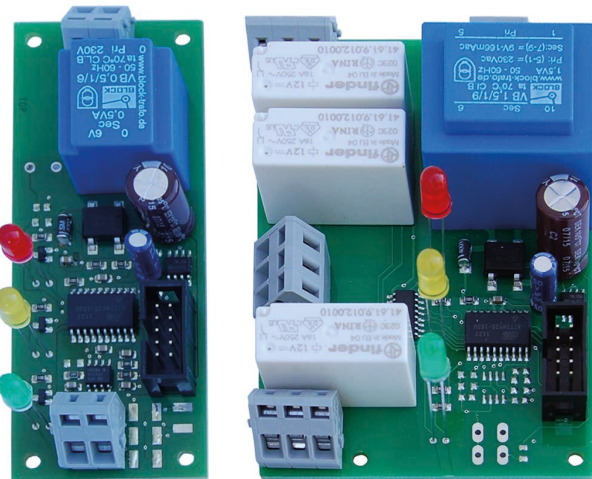
advantages	product line	Operating Time Counter – OTC
automatic recording of the exact operating time of the PURION UV lamps	voltage supply	230 V AC or 12 V DC or 24 V DC
automatic (pre-)alarm when lamp replacement is necessary	signal input	Operating Time Coter
optional configuration with potential free contacts for the LED signals	signal output	optional: potential free contact for any LED
safe reset procedure	load potential free contacts	up to 100 mA
maintenance free operation	special function	reset after replacement of the lamp
cost efficient monitoring option	steady light (green LED)	<95% of the warranted service life
	pre-alarm (yellow LED)	>95% <100% of the warranted service life
	main-alarm (red LED)	warranted service life has been exceeded

The OTC option works as a time counter and is integrated in the control box.

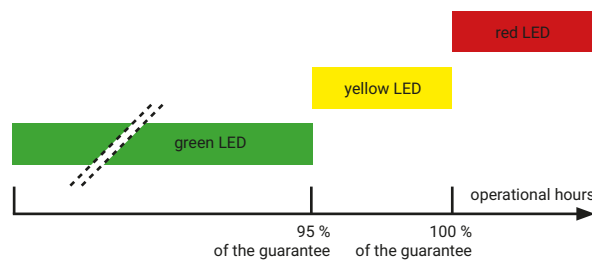
The monitoring system is designed as a traffic light. Two thresholds for the operating time have been saved:

- As long as the operating time is below 95% of the guaranteed life time the green LED is illuminated.
- If the operating time exceeds 95% of the guaranteed life time the yellow LED is illuminated (pre alert).
- If the operating time exceeds the guaranteed life time the red LED is illuminated (main alert). The UV lamp has to be replaced to ensure disinfection.

It is urgently recommended to clean the immersion tube system with the PURION Service KIT at latest during replacement of the UV lamps.



Additionally it is possible to configure the monitoring option OTC with potential free contacts for every LED. Therefore our clients are able to use information regarding the current status for additional switching operations (load potential free contact max. 100 mA).



PURION Monitoring of the UVC-intensity

Operating Power Detection – OPD



The Operating Power Detection (OPD) option monitors the life time of the UV lamp via detecting the UV intensity. The current status is displayed via LED's.

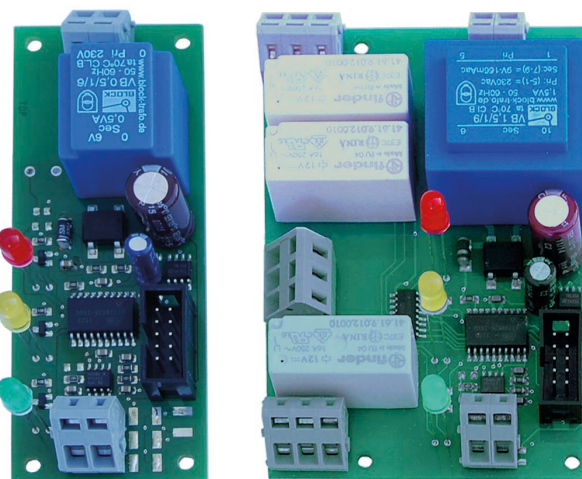
advantages	product line	Operating Power Detection – OPD
automatic recording of the exact UVC intensity that is currently used for disinfection	voltage supply	230 V AC or 12 V DC or 24 V DC
automatic (pre-)alarm when lamp replacement is necessary	signal input	SiC-UV-Sensor
optional configuration with potential free contacts for the LED signals	signal output	optional: potential free contact for any LED
safe reset procedure	load potential free contacts	up to 100 mA
maintenance free operation	special function	calibration after replacement of the lamp
cost efficient monitoring option	steady light (green LED)	>70% of the initial intensity
	pre-alarm (yellow LED)	<70% and mind. 60% of the initial intensity
	main-alarm (red LED)	<60% of the initial intensity

The OPD configuration directly detects the UVC intensity via SiC-UV-Sensor.

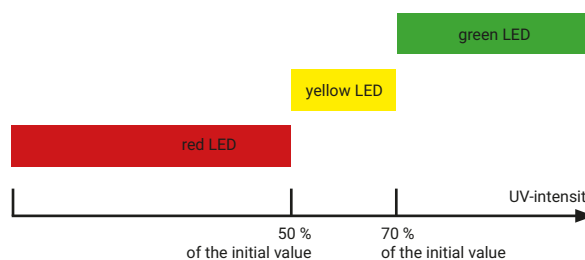
The monitoring system is designed as a traffic light and integrated in the control box. Two thresholds for UV intensity have been saved:

- As long as the UV intensity is more than 70% of the initial value the green LED is illuminated.
- If the UV intensity goes below 70% of the initial value the yellow LED is illuminated.
- If the UV intensity goes below 60% of the initial value the red LED is illuminated. To ensure disinfection the UV lamp has to be replaced.

It is urgently recommended to clean the immersion tube system with the PURION Service KIT at latest during replacement of the UV lamps.



Additionally it is possible to configure the monitoring option OPD with potential free contacts for every LED. Therefore our clients are able to use information regarding the current status for additional switching operations (load potential free contact max. 100 mA).



PURION UVC Sensor

in a stainless steel housing



This sensor is suitable for monitoring of the intensity of PURION UVC low-pressure lamps, PURION UVC high-output lamps and PURION UVC amalgam lamps.

properties of the SiC-sensor

wideband
UVA-UVB-UVC Photodiode

optimal ability for measuring powerful UVC radiation

silicon carbide chip warrants extreme radiation power

TO-18 metallic housing - 0.054 mm² active chip surface

product line PURION SiC Sensor

UV-intake 6 mm

angle spread approx. 30°

temperature 0°C up to 60°C

housing stainless steel 1.4571

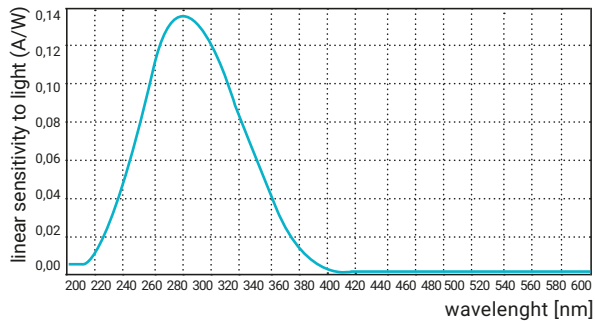
connection flanges G ¼" SW 19

seal Viton

pressure-tight 10 bar

dimensions (L x Ø in mm) 45 x SW 19

signaling foto voltage



The sensor is equipped with a silicon carbide photodiode (SiC).

The photodiode has a very good sensitivity within the range of 250 and 260 nm. Therefore the diode is suitable to monitor UV light that is used for disinfection and with a peak emission rate at 254 nm.

This is in line with the DNS absorption curve.

The monitoring unit is designed as a traffic light. During monitoring the percentage of the UV intensity is evaluated.

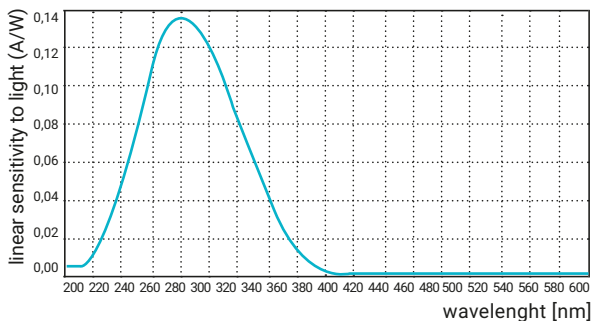
PURION UVC Sensor

in a stainless steel housing
with integrated booster
and power output



This sensor is suitable for monitoring of the intensity of PURION UVC low-pressure lamps, PURION UVC high-output lamps and PURION UVC amalgam lamps.

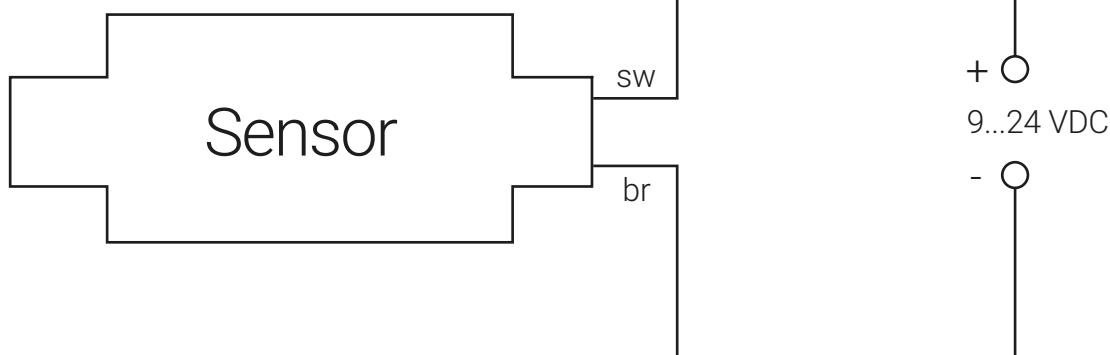
properties of the SiC-sensor	product line	PURION SiC Sensor 4-20 mA
wideband UVA-UVB-UVC Photodiode	UV-intake	6 mm
	angle spread	approx. 30°
	temperature	0°C up to 60°C
optimal ability for measuring powerful UVC radiation	housing	stainless steel 1.4571
	connection flanges	G 1/4" SW 19
	seal	Viton
silicon carbide chip warrants extreme radiation power	pressure-tight	10 bar
	dimensions (L x Ø in mm)	67 x SW 19
	power output	4-20 mA
	supplied voltage	9-24 VDC
TO-18 metallic housing - 0.054 mm² active chip surface	UVC-sensitivity	approx. 30 - 300 W/m²



The sensor type is SiC-based and therefore only UV-sensitive (daylight blind).

High intrinsic insensitivity against visible light through semiconducting material with high bandgap.

The snubber circuit of the sensor with 4...20mA enables the integration of the signal in Programmable Logic Controller (PLC) systems.



WATER

SOLUTIONS FOR TREATMENT OF WATER



Single-plants

flow rate 300 l/h – 10 m³/h

10 - 30

DUAL-plants

flow rate 800 l/h – 20 m³/h

31 - 50

Multi-Radiator-systems

flow rate 10 – 120 m³/h

51 - 54

Compact-systems

flow rate 400 l/h

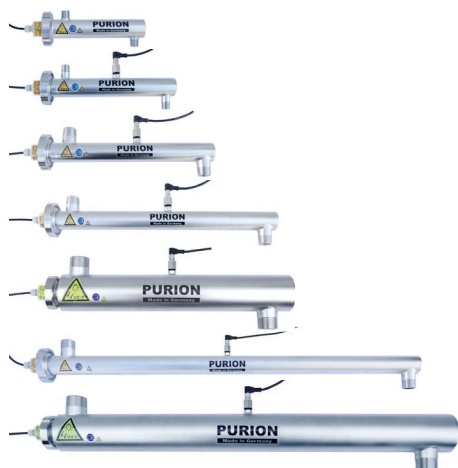
55 - 58

Pool-systems

dimension 40 m³ / 80 m³

59 - 62

stainless steel 1.4571 PVC-U



PURION Single UV-plants for disinfection of water and liquids are available in stainless steel 1.4571. Therefore Requirements of the drinking water regulation can be met. PURION Single UV-plants made from stainless steel are available for several flow rates.

Moreover it is possible to choose from various options for monitoring the disinfection performance of the PURION UV-lamps, e.g. sensor systems to detect the current UVC-intensity.

PURION Single UV-plants for disinfection of water and liquids are available in PVC-U. Therefore the UV-plants can be operated for applications with saltwater or aggressive fluids.

PURION Single UV-plants made from PVC-U are available for several flow rates. Moreover they can be equipped with an operating time counter to monitor the life time of the PURION UV-lamp.

applications	product line	PURION 400-2501
drinking water	flow rate	300 l/h - 10 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	reactor	stainless steel 1.4571
aquarium	flanges	R 1/2" - 1 1/2"
fish ponds	weight	1,8 - 5,5 kg
sewage water	life time of lamps	8.000 h / 10.000 h
pharmacy	number of lamps	1
greenhouse water	dosis	400 J/m ²
industrial water	temperature max.	2°C up to 90°C
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
advantages		
additional chemicals are not required for disinfection	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
not affecting smell or taste		
low-maintenance operation	total power	10 W - 106 W
low operational costs	over current protection	10 A

applications	product line	PURION 1000-2501
drinking water	flow rate	1.000 l/h - 10 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	reactor	PVC-U
aquarium	flanges	R 1/2" - 1 1/2"
fish ponds	weight	2,8 - 8 kg
sewage water	life time of lamps	10.000 h
pharmacy	number of lamps	1
greenhouse water	dosis	400 J/m ²
industrial water	temperature max.	2°C up to 40°C
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
advantages		
additional chemicals are not required for disinfection	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
not affecting smell or taste		
low-maintenance operation	total power	17 W - 90 W
low operational costs	over current protection	10 A

To ensure highest standards of quality the PURION UV-plants made from stainless steel are treated with an elaborate three step procedure for surface treatment. At first the UV-plants are pickled to remove carbon residues from welding. Afterwards the plants are treated via glass bead blasting to ensure a homogeneous and clean surface. Within the third step the UV-plants are electropolished.

Electro polished surfaces are very resistant to corrosion due to high passivity. Adhesions to the surface can be reduced due to improved values of roughness and optimized surface profile.

PVC-U (polyvinyl chloride – unplasticized) does not contain any plasticizer or softener. Therefore PVC-U is used for manufacturing pips, profiles, packaging material for pills and food. PVC-U is very resistant to UVC-light and aggressive fluids like saltwater.

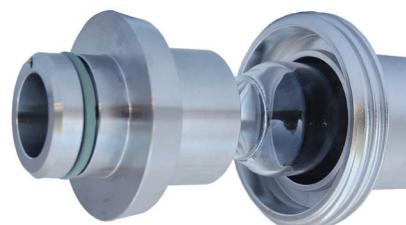
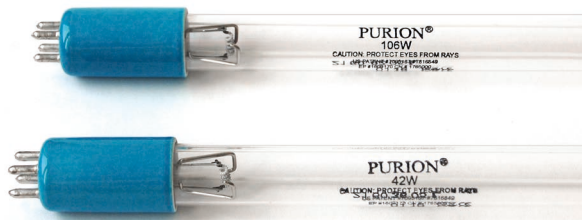
Therefore it is recommended to use PURION UV-plants made from PVC-U within maritime applications e.g. aquacultures.

PURION 400	flow rate 300 l/h
PURION 500	flow rate 400 l/h
PURION 1000	flow rate 1.000 l/h
PURION 2500 36 W	flow rate 2.500 l/h
PURION 2500 90 W	flow rate 4.000 l/h
PURION 2001	flow rate 5.000 l/h
PURION 2501	flow rate 10.000 l/h

PURION 1000 PVC-U	flow rate 1.000 l/h
PURION 2500 36 W PVC-U	flow rate 2.500 l/h
PURION 2001 PVC-U	flow rate 5.000 l/h
PURION 2501 PVC-U	flow rate 10.000 l/h

PURION H Series

PURION PRO Series



PURION guarantees disinfection up to a temperature of 40 °C of the water or fluid as a standard configuration. Temperatures above 40 °C lead to a decreasing UVC output and therefore a less disinfection performance. The UV-plants of the PURION H series are using a special Amalgam technology and have been developed for warm and hot environments up to 90 °C. The PURION UV-lamps of the H series are perfectly suitable to remove Legionella bacteria in warm water circuits.

PURION guarantees disinfection for a UVC transmission of >90% T₁cm as a standard configuration. For disinfection of liquids with very low transmission (e.g. cooling lubricant) the PURION PRO Series has been developed. The very thin film of the fluid to be disinfected ensures reliable disinfection even in case of very low transmission.

applications	product line	PURION 1000 H - 2500 H
drinking water	flow rate	1,5 - 4 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	reactor	stainless steel 1.4571
aquarium	life time of lamps	8.000 h
fish ponds	number of lamps	1
sewage water	dosis	400 J/m ²
pharmacy	temperature max.	2°C up to 90°C
greenhouse water	max. pressure	10 bar
industrial water	total power	42 W - 106 W
cooling lubricant	electrical connection	110-240 V 50/60 Hz
advantages		
additional chemicals are not required for disinfection		
not affecting smell or taste		
low-maintenance operation		
low operational costs		

applications	product line	PURION 500 PRO - 2500 90 W PRO
drinking water	flow rate	200 l/h - 1,5 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	reactor	stainless steel 1.4571
aquarium	life time of lamps	10.000 h
fish ponds	number of lamps	1
sewage water	dosis	up to 400 J/m ²
pharmacy	temperature max.	2°C up to 40°C
greenhouse water	max. pressure	10 bar
industrial water	total power	10 W - 106 W
cooling lubricant	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
advantages		
additional chemicals are not required for disinfection		
not affecting smell or taste		
low-maintenance operation		
low operational costs		

The UV-plants of the PURION H product line are made from electro polished stainless steel which is licensed for drinking water.

The UV-plants will be delivered ready-to-plug together with the corresponding connecting cable and safety plug.

The UV-plants have been designed to ensure a UVC dosis of 400 J/m² which meets drinking-water standards.

Every UV plant of the PURION H series can be equipped with an Operating Time Counter (OTC) and/ or monitoring of the UVC-intensity.

Depending on the transmission of the fluid the PURION UV-plants of the PRO series can be equipped with different PURION UV-lamps to ensure the required UVC intensity. The PURION PRO product line is designed to have a very thin film of only 2 mm of the fluid to be disinfected.

Therefore the complete UVC penetration and disinfection of the fluid is ensured.

Every UV plant of the PURION PRO series can be equipped with an Operating Time Counter (OTC).

PURION 1000 H	flow rate 1.500 l/h
PURION 2500 H	flow rate 4.000 l/h
PURION 2501 H	flow rate 10.000 l/h

PURION 500 PRO	flow rate 300 l/h
PURION 1000 PRO	flow rate 700 l/h
PURION 2500 36 W PRO	flow rate 1.000 l/h
PURION 2500 90 W PRO	flow rate 1.500 l/h

PURION 400



The UV-plant PURION 400 is made from electropolished stainless steel 1.4571.

The PURION 400 is applied to disinfect drinking water up to a flow rate of 300 l/h and a transmission (or turbidity) of the water of at least 90% per cm.

Due to the compact design and the options for power supply with direct current the UV-Plant PURION 400 is perfectly suitable for mobile applications.

applications	product line	PURION 400
drinking water	flow rate	300 l/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1/2"
fish ponds	dimension (LxØ mm)	237 x 42
sewage water	distance flanges	172 mm
pharmacy	weight	1,9 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
	total power	10 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article number: 104 00100 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•				

article number: 104 01900 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•			

article number: 104 00600 0000
article number: 104 01000 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•	•		•

direct current (VAC)

article number: 104 00200 0000
article number: 104 00300 0000

direct current 12 V DC	direct current 24 V DC	Operating Time Counter	Operating Power Detection	potential free contacts
•	•			

article number: 104 00700 0000
article number: 104 00500 0000
article number: 104 01500 0000
article number: 104 01600 0000

direct current 12 V DC	direct current 24 V DC	Operating Time Counter	Operating Power Detection	potential free contacts
•	•	•		•

equipment PURION 400 & 500

assembly system Single 1
stainless steel
article number: 290 11000 0000



assembly system Single 1
galvanized
article number: 290 10900 0000

PURION UV-lamp 10 W
article number: 200 01300 0000



service-kit
article number: 292 00900 0000

PURION 500



The UV-plant PURION 500 is made from electropolished stainless steel 1.4571.

The PURION 500 is applied to disinfect drinking water up to a flow rate of 400 l/h and a transmission (or turbidity) of the water of at least 90% per cm.

For the UV-plant PURION 500 the complete range of PURION options to monitor the disinfection performance is available. The PURION 500 can be operated with direct current.

applications	product line	PURION 500
drinking water	flow rate	400 l/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1/2"
fish ponds	dimension (LxØ mm)	320 x 42
sewage water	distance flanges	255 mm
pharmacy	weight	2,2 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
	total power	10 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article number: 105 00100 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•				

article number: 105 05500 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•			

article number: 105 00500 0000
article number: 105 03600 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•	•		
•	•	•		•

article number: 105 00600 0000
article number: 105 05600 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•			
•	•		•	•

direct current (VAC)

article number: 105 00200 0000
article number: 105 00300 0000

direct current 12 V DC	direct current 24 V DC	Operating Time Counter	Operating Power Detection	potential free contacts
•				
	•			

article number: 105 00700 0000
article number: 105 01200 0000
article number: 105 03700 0000
article number: 105 05700 0000

direct current 12 V DC	direct current 24 V DC	Operating Time Counter	Operating Power Detection	potential free contacts
•				
	•	•		
		•		•
	•	•		•

article number: 105 00800 0000
article number: 105 01100 0000
article number: 105 04300 0000
article number: 105 05800 0000

direct current 12 V DC	direct current 24 V DC	Operating Time Counter	Operating Power Detection	potential free contacts
•				
	•			
•		•		
	•	•		•

PURION 1000



The UV-plant PURION 1000 is made from electropolished stainless steel 1.4571.

The PURION 1000 is applied to disinfect drinking water up to a flow rate of 1.000 l/h and a transmission (or turbidity) of the water of at least 90% per cm.

The UV-plant PURION 1.000 is operates very efficiently with a PURION UV-lamp 17W. Several options for power supply and monitoring of the disinfection performance are available.

applications	product line	PURION 1000
drinking water	flow rate	1000 l/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	420 x 42
sewage water	distance flanges	340 mm
pharmacy	weight	2,8 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
	total power	17 W
	over current protection	10 A
advantages		
additional chemicals are not required for disinfection		
not affecting smell or taste		
low-maintenance operation		
low operational costs		

alternating current (VAC)

article number: 110 00600 0000

•	alternating current AC				
•	wide voltage				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

article number: 110 03700 0000

•	alternating current AC				
•	wide voltage				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

article number: 110 03800 0000
article number: 110 05200 0000

•	alternating current AC				
•	wide voltage				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

article number: 110 01300 0000
article number: 110 02500 0000

•	alternating current AC				
•	wide voltage				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

direct current (VAC)

article number: 110 00700 0000
article number: 110 00800 0000

•	direct current 12 V DC				
•	direct current 24 V DC				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

article number: 110 01600 0000
article number: 110 03600 0000
article number: 110 05900 0000
article number: 110 07700 0000

•	direct current 12 V DC				
•	direct current 24 V DC				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

article number: 110 01700 0000
article number: 110 02200 0000
article number: 110 05300 0000
article number: 110 08000 0000

•	direct current 12 V DC				
•	direct current 24 V DC				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

PURION 1000 PVC-U



This UV plant PURION 1000 is made from PVC-U.

The PURION 1000 PVC-U is applied within maritime environment up to a flow rate of 1.000 l/h and a transmission (or turbidity) of the water of at least 90% per cm.

The advantage of PVC-U consists of the resistance against UVC light, salt water and acid fluids.

applications	product line	PURION 1000 PVC-U
drinking water	flow rate	1000 l/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	420 x 42
sewage water	distance flanges	340 mm
pharmacy	weight	2,8 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
	total power	17 W
	over current protection	10 A

advantages	
additional chemicals are not required for disinfection	
not affecting smell or taste	
low-maintenance operation	
low operational costs	

alternating current (VAC)

article number: 110 04200 0000

•	alternating current AC				
•	wide voltage				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

article number: 110 07800 0000

•	alternating current AC				
•	wide voltage				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

article number: 110 06500 0000
article number: 110 07900 0000

•	alternating current AC				
•	wide voltage				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

direct current (VAC)

article number: 110 08100 0000
article number: 110 08200 0000

•	direct current 12 V DC				
•	direct current 24 V DC				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

article number: 110 08300 0000
article number: 110 08400 0000
article number: 110 08500 0000
article number: 110 08600 0000

•	direct current 12 V DC				
•	direct current 24 V DC				
•	Operating Time Counter				
•	Operating Power Detection				
•	potential free contacts				

equipment PURION 1000 & 1000 PVC-U

assembly system Single 1
stainless steel
article number: 290 11000 0000



assembly system Single 1
galvanized
article number: 290 10900 0000

PURION UV-lamp 17 W
article number: 200 00300 0000



service-kit
article number: 292 00900 0000

PURION 2500 36 W



The UV-plant PURION 2500 36 W is made from electropolished stainless steel 1.4571. The PURION 2500 36 W is applied to disinfect drinking water up to a flow rate of 2.500 l/h and a transmission (or turbidity) of the water of at least 90% per cm.

The UV-plant PURION 2500 36 W can be optionally operated with 24 V direct current. The very attractive relation between the electrical power of 36 W and the flow rate of 2.500 l/h is to be emphasized.

applications	product line	PURION 2500 36 W
drinking water	flow rate	2.500 l/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	928 x 42
sewage water	distance flanges	850 mm
pharmacy	weight	3,4 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz or 24 V DC
	total power	36 W
	over current protection	10 A

advantages

- additional chemicals are not required for disinfection
- not affecting smell or taste
- low-maintenance operation
- low operational costs

alternating current (VAC)



article number: 130 00400 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts



article number: 130 00900 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

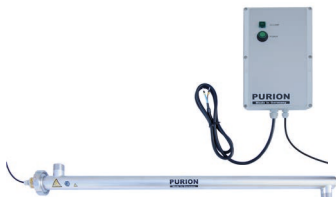


article number: 130 01000 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 130 02000 0000

direct current (VAC)



article number: 130 00300 0000

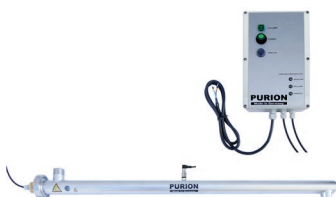
- direct current 12 V DC
- direct current 24 V DC
- Operating Time Counter
- Operating Power Detection
- potential free contacts



article number: 130 03700 0000

- direct current 12 V DC
- direct current 24 V DC
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 130 07800 0000



article number: 130 02600 0000

- direct current 12 V DC
- direct current 24 V DC
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 130 02900 0000

PURION 2500 36 W PVC-U



This UV plant PURION 2500 36 W is made from PVC-U.

The PURION 2500 PVC-U is applied within maritime environment up to a flow rate of 2.500 l/h and a transmission (or turbidity) of the water of at least 90% per cm.

The advantage of PVC-U consists of the resistance against UVC light, salt water and acid fluids.

applications	product line	PURION 2500 36 W PVC-U
drinking water	flow rate	2.500 l/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	930 x 50
sewage water	distance flanges	790 mm
pharmacy	weight	4 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz or 24 V DC
	total power	36 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article number: 130 05300 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 130 07900 0000
article number: 130 08000 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

direct current (VAC)

article number: 130 08100 0000

- direct current 12 V DC
- direct current 24 V DC
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 130 08200 0000
article number: 130 08300 0000

- direct current 12 V DC
- direct current 24 V DC
- Operating Time Counter
- Operating Power Detection
- potential free contacts

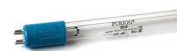
equipment PURION 2500 36 W & 2500 36 W PVC-U

assembly system Single 1
stainless steel
article number: 290 11000 0000



assembly system Single 1
galvanized
article number: 290 10900 0000

PURION UV-lamp 36 W
article number: 200 00400 0000



service-kit
article number: 292 00900 0000



PURION 2000



The UV-plant PURION 2000 is made from electropolished stainless steel 1.4571.

The PURION 2000 is applied to disinfect drinking water up to a flow rate of 2.000 l/h and a transmission (or turbidity) of the water of at least 90% per cm.

The UV-plant PURION 2000 has a very compact design in relation to the maximum flow rate of 2.000 l/h.

applications	product line	PURION 2000
drinking water	flow rate	2.000 l/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	578 x 42
sewage water	distance flanges	500 mm
pharmacy	weight	2,8 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	48 W
	over current protection	10 A

advantages

- additional chemicals are not required for disinfection
- not affecting smell or taste
- low-maintenance operation
- low operational costs

alternating current (VAC)



article number: 120 00200 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts



article number: 120 00300 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 120 01000 0000



article number: 120 00400 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 120 00800 0000

equipment PURION 2000

assembly system Single 1
stainless steel
article number: 290 11000 0000



assembly system Single 1
galvanized
article number: 290 10900 0000

PURION UV-lamp 48 W
article number: 200 00500 0000



service-kit
article number: 292 00900 0000



PURION 2500 90 W



The UV-plant PURION 2500 90 W is made from electropolished stainless steel 1.4571.

The PURION 2500 90 W is applied to disinfect drinking water up to a flow rate of 4.000 l/h and a transmission (or turbidity) of the water of at least 90% per cm.

The UV-plant PURION 2500 90 W can be applied for drinking water supply of 1-2 households. A permanent flow of water should be ensured during operation of the UV-plant.

applications	product line	PURION 2500 90 W
drinking water	flow rate	4.000 l/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	928 x 42
sewage water	distance flanges	850 mm
pharmacy	weight	3,4 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	90 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article number: 130 00200 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•			

article number: 130 00600 0000
article number: 130 00500 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•	•	•	•

article number: 130 00700 0000
article number: 130 02100 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•		•	•

equipment PURION 2500 90 W

assembly system Single 1
stainless steel
article number: 290 11000 0000



assembly system Single 1
galvanized
article number: 290 10900 0000

PURION UV-lamp 90 W
article number: 200 00600 0000



service-kit
article number: 292 00900 0000



PURION 2001



The UV-plant PURION 2001 is made from electropolished stainless steel 1.4571.

The PURION 2001 is applied to disinfect drinking water up to a flow rate of 5.000 l/h. and a transmission (or turbidity) of the water of at least 90% per cm. It is also used for disinfection of circulation water e.g. from pools or fish ponds up to a dimension of 40.000 l (15 hours operation per day).

applications	product line	PURION 2001
drinking water	flow rate	5 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1 1/2"
fish ponds	dimension (LxØ mm)	578 x 85
sewage water	distance flanges	460 mm
pharmacy	weight	4,1 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	48 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)



article number: 121 00200 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts



article number: 121 00300 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts



article number: 121 00400 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 121 01500 0000

-
-
-
-
-

equipment PURION 2001

assembly system Single 2
stainless steel
article number: 290 11200 0000



PURION UV-lamp 48 W
article number: 200 00500 0000



assembly system Single 2
galvanized
article number: 290 11100 0000



service-kit
article number: 292 00900 0000



PURION 2001 PVC-U



This UV plant PURION 2001 is made from PVC-U.

The PURION 2001 is applied within maritime environment up to a flow rate of 5.000 l/h and a transmission (or turbidity) of the water of at least 90% per cm. It is also used for disinfection of circulation water e.g. from saltwater pools or fish ponds up to a dimension of 40.000 l (20 hours operation per day). The advantage of PVC-U consists of the resistance against UVC light, salt water and acid fluids.

applications	product line	PURION 2001 PVC-U
drinking water	flow rate	5 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1 1/2"
fish ponds	dimension (LxØ mm)	670 x 100
sewage water	distance flanges	360 mm
pharmacy	weight	6 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	48 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)



article number: 121 00700 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts



article number: 121 00800 0000

article number: 121 01700 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

equipment PURION 2001 PVC-U

assembly system Single 2
stainless steel
article number: 290 11200 0000



assembly system Single 2
galvanized
article number: 290 11100 0000



PURION UV-lamp 48 W
article number: 200 00500 0000



service-kit
article number: 292 00900 0000



PURION 2501



The UV-plant PURION 2501 is made from electropolished stainless steel 1.4571.

The PURION 2501 is applied to disinfect drinking water up to a flow rate of 10.000 l/h. and a transmission (or turbidity) of the water of at least 90% per cm.

It is also used for disinfection of circulation water e.g. from pools or fish ponds up to a dimension of 80.000 l (20 hours operation per day).

applications	product line	PURION 2501
drinking water	flow rate	10 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1 1/2"
fish ponds	dimension (LxØ mm)	928 x 85
sewage water	distance flanges	810 mm
pharmacy	weight	5,5 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	90 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article number: 131 00200 0000

•	alternating current AC
•	wide voltage
•	Operating Time Counter
•	Operating Power Detection
•	potential free contacts

article number: 131 00400 0000
article number: 131 04100 0000

•	alternating current AC
•	wide voltage
•	Operating Time Counter
•	Operating Power Detection
•	potential free contacts

article number: 131 00500 0000
article number: 131 02600 0000

•	alternating current AC
•	wide voltage
•	Operating Time Counter
•	Operating Power Detection
•	potential free contacts

equipment PURION 2501

assembly system Single 2
stainless steel
article number: 290 11200 0000



PURION UV-lamp 90 W
article number: 200 00600 0000



assembly system Single 2
galvanized
article number: 290 11100 0000



service-kit
article number: 292 00900 0000



PURION 2501 PVC-U



This UV plant PURION 2501 is made from PVC-U.

The PURION 2501 is applied within maritime environment up to a flow rate of 10.000 l/h and a transmission (or turbidity) of the water of at least 90% per cm.

It is also used for disinfection of circulation water e.g. from saltwater pools or fish ponds up to a dimension of 80.000 l (20 hours operation per day). The advantage of PVC-U consists of the resistance against UVC light, salt water and acid fluids.

applications	product line	PURION 2501 PVC-U
drinking water	flow rate	10 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1 1/2"
fish ponds	dimension (LxØ mm)	928 x 85
sewage water	distance flanges	710 mm
pharmacy	weight	8 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	90 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)



article number: 131 01800 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts



article number: 131 00800 0000

article number: 131 04200 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

equipment PURION 2501 PVC-U

assembly system Single 2
stainless steel
article number: 290 11200 0000



assembly system Single 2
galvanized
article number: 290 11100 0000



PURION UV-lamp 90 W
article number: 200 00600 0000



service-kit
article number: 292 00900 0000



PURION 1000 H



The UV-plant PURION 1000 H is made from electropolished stainless steel 1.4571. The PURION 1000 H is applied to disinfect drinking water up to a flow rate of 1.500 l/h and a transmission (or turbidity) of the water of at least 90% per cm.

The UV-plant PURION 1000 H has been developed for temperatures above 40 °C. The used PURION UV-lamp 42 W operates with a special Amalgam technology. Several options for monitoring of the disinfection performance are available.

applications	product line	PURION 1000 H
drinking water	flow rate	1,5 m³/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 90°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	420 x 42
sewage water	distance flanges	340 mm
pharmacy	weight	2,8 kg
greenhouse water	life time of lamps	8.000 h
industrial water	dosis	400 J/m²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	42 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article number: 110 04400 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•			

article number: 110 04500 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•	•	•	•

article number: 110 08700 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•	•		•

article number: 110 04800 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•		•	

article number: 110 05000 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•		•	•

equipment PURION 1000 H

assembly system Single 1
stainless steel
article number: 290 11000 0000



assembly system Single 1
galvanized
article number: 290 10900 0000

PURION UV-lamp 42 W
article number: 200 01700 0000



service-kit
article number: 292 00900 0000



PURION 2500 H



The UV-plant PURION 2500 H is made from electropolished stainless steel 1.4571. The PURION 2500 H is applied to disinfect drinking water up to a flow rate of 4.000 l/h and a transmission (or turbidity) of the water of at least 90% per cm.

The UV-plant PURION 2500 H can be applied for drinking water supply of 1-2 households and has been developed for temperatures above 40 C°.

The used PURION UV-lamp 106 W operates with a special Amalgam technology. Several options for monitoring of the disinfection performance are available.

applications	product line	PURION 2500 H
drinking water	flow rate	4 m³/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 90°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	928 x 42
sewage water	distance flanges	850 mm
pharmacy	weight	3,4 kg
greenhouse water	life time of lamps	8.000 h
industrial water	dosis	400 J/m²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	106 W
	over current protection	10 A

advantages	
additional chemicals are not required for disinfection	
not affecting smell or taste	
low-maintenance operation	
low operational costs	

alternating current (VAC)

article number: 130 00500 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•			

article number: 130 01600 0000
article number: 130 04500 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•	•	•	•

article number: 130 02200 0000
article number: 130 02400 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•		•	•

equipment PURION 2500 H

assembly system Single 1
stainless steel
article number: 290 11000 0000



assembly system Single 1
galvanized
article number: 290 10900 0000

PURION UV-lamp 106 W
article number: 200 00800 0000



service-kit
article number: 292 00900 0000



PURION 2501 H



The UV-plant PURION 2501 H is made from electropolished stainless steel 1.4571. The PURION 2501 H is applied in case of temperatures above 40 C° to disinfect drinking water up to a flow rate of 10.000 l/h and a transmission (or turbidity) of the water of at least 90% per cm. It is also used for disinfection of circulation water up to a tank dimension of 80.000 l (20 hours operation per day). The used PURION UV-lamp 106 W operates with a special Amalgam technology. Several options for monitoring of the disinfection performance are available.

applications	product line	PURION 2501 H
drinking water	flow rate	10 m³/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 90°C
aquarium	flanges	R 1 1/2"
fish ponds	dimension (LxØ mm)	928 x 85
sewage water	distance flanges	810 mm
pharmacy	weight	5,5 kg
greenhouse water	life time of lamps	8.000 h
industrial water	dosis	400 J/m²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	106 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article number: 131 00300 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•			

article number: 131 00900 0000
 article number: 131 02800 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•	•	•	•

article number: 131 00800 0000
 article number: 131 02400 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•		•	•

equipment PURION 2501 H

assembly system Single 2
 stainless steel
 article number: 290 11200 0000



PURION UV-lamp 106 W
 article number: 200 00800 0000



assembly system Single 2
 galvanized
 article number: 290 11100 0000

service-kit
 article number: 292 00900 0000



PURION 500 PRO



The UV-plant PURION 500 PRO is made from electropolished stainless steel 1.4571.

The PURION 500 PRO is applied to disinfect industrial water up to a flow rate of 200 l/h and fluids up to a flow rate of 200 l/h with a transmission (or turbidity) of the fluids of 20 - 90% per cm.

The PURION 500 PRO can be equipped with an Operating Time Counter (OTC) to monitor the UV lamps service life. It is possible to have the power supply with direct current.

applications	product line	PURION 500 PRO
drinking water	flow rate	200 l/h
climate water	UVC-transmission	> 20% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1/2"
fish ponds	dimension (LxØ mm)	320 x 42
sewage water	distance flanges	255 mm
pharmacy	weight	2,2 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
	total power	10 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article number: 105 02000 0000

•				
alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts

article number: 105 05900 0000

•	•			
alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts

article number: 105 02100 0000
article number: 105 03500 0000

•	•	•		
alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts

direct current (VAC)

article number: 105 02200 0000
article number: 105 02400 0000

•				
direct current 12 V DC	direct current 24 V DC	Operating Time Counter	Operating Power Detection	potential free contacts

article number: 105 02300 0000
article number: 105 02500 0000
article number: 105 06000 0000
article number: 105 06100 0000

•	•	•		
direct current 12 V DC	direct current 24 V DC	Operating Time Counter	Operating Power Detection	potential free contacts

equipment PURION 500 PRO

assembly system Single 1
stainless steel
article number: 290 11000 0000



assembly system Single 1
galvanized
article number: 290 10900 0000

PURION UV-lamp 10 W
article number: 200 01300 0000



service-kit
article number: 292 00900 0000

PURION 1000 PRO



The UV-plant PURION 1000 PRO is made from electropolished stainless steel 1.4571.

The PURION 1000 PRO is applied to disinfect industrial water and emulsions up to a flow rate of 400 l/h with a transmission (or turbidity) of the fluids of 20 - 90% per cm.

The PURION 1000 PRO can be equipped with an Operating Time Counter (OTC) to monitor the UV lamps service life. It is possible to have the power supply with direct current.

applications	product line	PURION 1000 PRO
drinking water	flow rate	400 l/h
climate water	UVC-transmission	> 20% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	420 x 42
sewage water	distance flanges	340 mm
pharmacy	weight	2,8 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
	total power	17 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article number: 110 01100 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•				

article number: 110 08800 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•			

article number: 110 01500 0000
article number: 110 05100 0000

alternating current AC	wide voltage	Operating Time Counter	Operating Power Detection	potential free contacts
•	•	•		•

direct current (VAC)

article number: 110 03100 0000
article number: 110 02600 0000

direct current 12 V DC	direct current 24 V DC	Operating Time Counter	Operating Power Detection	potential free contacts
•				

article number: 110 05700 0000
article number: 110 05400 0000
article number: 110 08900 0000
article number: 110 09000 0000

direct current 12 V DC	direct current 24 V DC	Operating Time Counter	Operating Power Detection	potential free contacts
•	•	•		•

equipment PURION 1000 PRO

assembly system Single 1
stainless steel
article number: 290 11000 0000



assembly system Single 1
galvanized
article number: 290 10900 0000

PURION UV-lamp 17 W
article number: 200 00300 0000



service-kit
article number: 292 00900 0000

PURION 2500 36 W PRO



The UV-plant PURION 2500 36 W PRO is made from electropolished stainless steel 1.4571.

The PURION 2500 36 W PRO is applied to disinfect industrial water and emulsions up to a flow rate of 1000 l/h with a transmission (or turbidity) of the fluids of 20 - 90% per cm.

The PURION 2500 36 W PRO can be equipped with an Operating Time Counter (OTC) to monitor the UV lamps service life. It is possible to have the power supply with direct current 24 V DC.

applications	product line	PURION 2500 36 W PRO
drinking water	flow rate	1 m ³ /h
climate water	UVC-transmission	> 20% T, cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	928 x 42
sewage water	distance flanges	850 mm
pharmacy	weight	3,4 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz or 24 V DC
	total power	36 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article number: 130 01200 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 130 01300 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 130 08700 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

direct current (VAC)

article number: 130 04100 0000

- direct current 12 V DC
- direct current 24 V DC
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 130 04200 0000

- direct current 12 V DC
- direct current 24 V DC
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 130 08800 0000

- direct current 12 V DC
- direct current 24 V DC
- Operating Time Counter
- Operating Power Detection
- potential free contacts

equipment PURION 2500 36 W PRO

assembly system Single 1
stainless steel
article number: 290 11000 0000



assembly system Single 1
galvanized
article number: 290 10900 0000

PURION UV-lamp 36 W
article number: 200 00400 0000



service-kit
article number: 292 00900 0000

PURION 2500 90 W PRO



The UV-plant PURION 2500 90 W PRO is made from electropolished stainless steel 1.4571. The PURION 2500 90 W PRO is applied to disinfect industrial water and emulsions up to a flow rate of 2,5 m³/h with a transmission (or turbidity) of the fluids of 20 - 90% per cm.

The PURION 2500 90 W PRO can be equipped with an Operating Time Counter (OTC) to monitor the UV lamps service life.

A permanent flow should be ensured during operation of the UV-plant.

applications	product line	PURION 2500 90 W PRO
drinking water	flow rate	2,5 m³/h
climate water	UVC-transmission	> 20% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	928 x 42
sewage water	distance flanges	850 mm
pharmacy	weight	3,4 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	90 W
	over current protection	10 A

advantages

- additional chemicals are not required for disinfection
- not affecting smell or taste
- low-maintenance operation
- low operational costs

alternating current (VAC)



article number: 130 02300 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts



article number: 130 01700 0000

- alternating current AC
- wide voltage
- Operating Time Counter
- Operating Power Detection
- potential free contacts

article number: 130 08900 0000

equipment PURION 2500 90 W PRO

assembly system Single 1
stainless steel
article number: 290 11000 0000



assembly system Single 1
galvanized
article number: 290 10900 0000

PURION UV-lamp 90 W
article number: 200 00600 0000



service-kit
article number: 292 00900 0000



stainless steel 1.4571 PVC-U

with PRO- & H-series



PURION DUAL UV-plants for disinfection of water and liquids are available in stainless steel 1.4571.

Therefore requirements of the drinking water regulation are fulfilled.

The product line PURION DUAL plants enable for advanced applications. On the one hand it is possible to guarantee disinfection for higher flow rates. Moreover the different operating and monitoring options for the PURION DUAL plants allow for the implementation of additional operating and safety concepts.

PURION DUAL UV-plants for disinfection of water and liquids are available in PVC-U.

Therefore it is possible to operate the PURION DUAL PVC-U plants in applications with saltwater or aggressive fluids.

The product line PURION DUAL PVC-U plants enable for advanced applications. On the one hand it is possible to guarantee disinfection for higher flow rates. Moreover the different operating and monitoring options for the PURION DUAL plants allow for the implementation of additional operating and safety concepts.

applications	Product line	PURION DUAL-Plants
drinking water	flow rate	2 - 20 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	reactor	stainless steel 1.4571
aquarium	flanges	R 1" - 1 1/2"
fish ponds	weight	6 - 12 kg
sewage water	life time of lamps	8.000 h / 10.000 h
pharmacy	number of lamps	2
greenhouse water	dosis	400 J/m ²
industrial water	temperature	2°C up to 65°C
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
advantages	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
additional chemicals are not required for disinfection	total power	2x 17 W - 2x 106 W
not affecting smell or taste	over current protection	10 A
low-maintenance operation		
low operational costs		

To ensure highest standards of quality the PURION UV-plants made from stainless steel are treated with an elaborate three step procedure for surface treatment. At first the UV-plants are pickled to remove carbon residues from welding. Afterwards the plants are treated via glass bead blasting to ensure a homogeneous and clean surface. Within the third step the UV-plants are electropolished.

Electro polished surfaces are very resistant to corrosion due to high passivity. Adhesions to the surface can be reduced due to improved values of roughness and optimized surface profile.

applications	product line	PURION DUAL-plants
drinking water	flow rate	2 - 20 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	reactor	PVC-U
aquarium	flanges	R 1" - 1 1/2"
fish ponds	weight	6 - 12 kg
sewage water	life time of lamps	10.000 h
pharmacy	number of lamps	2
greenhouse water	dosis	400 J/m ²
industrial water	temperature	2°C up to 40°C
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
advantages	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
additional chemicals are not required for disinfection	total power	2x 17 W - 2x 90 W
not affecting smell or taste	over current protection	10 A
low-maintenance operation		
low operational costs		

PVC-U (polyvinyl chloride – unplasticized) does not contain any plasticizer or softener. Therefore PVC-U is used for manufacturing pips, profiles, packaging material for pills and food. PVC-U is very resistant to UVC-light and aggressive fluids like saltwater.

Therefore it is recommended to use PURION UV-plants DUAL made from PVC-U within maritime applications e.g. aquacultures.

DUAL BASIC

monitoring option



With the basic version of the product family PURION DUAL both UV plants are switched and operated parallel. Control system is realized integrated in one electronic control cabinet. The renunciation of additional direct monitoring of the disinfection power leads to a very cost effective configuration.

Signal lights indicate the current status of operation. Power supply is carried out with 110 - 240 V 50/60 Hz. For the UV plant PURION 1000 Dual power supply can also be carried out with 12 V DC.

advantages	product line	PURION DUAL Basic
electric control system integrated in one cabinet	number of control cabinet	1
	dimensions control cabinet (WxHxD mm)	160 x 250 x 100 or 250 x 350 x 160
one switch button for both UV plants	no. of signal lights for operating status	2
	no. signal lights for disinfection power	0
basic protection via signal lights of the status of operation	number potential free contacts	0
	electrical connection	110-240 V 50/60 Hz 12 V DC
	over current protection	10 A (110-240 V AC) 6 A (12 V DC)
cost effective equipment acquisition	housing's type of protection	IP 54

PURION 1000 DUAL	flow rate 2 m³/h
PURION 2500 DUAL 36 W	flow rate 5 m³/h
PURION 2500 DUAL 90 W	flow rate 8 m³/h
PURION 2001 DUAL	flow rate 10 m³/h
PURION 2501 DUAL	flow rate 20 m³/h

PURION 1000 DUAL PVC-U	flow rate 2 m³/h
PURION 2500 DUAL 36 W PVC-U	flow rate 5 m³/h
PURION 2500 DUAL 90 W PVC-U	flow rate 8 m³/h
PURION 2001 DUAL PVC-U	flow rate 10 m³/h
PURION 2501 DUAL PVC-U	flow rate 20 m³/h

PURION 1000 DUAL H	flow rate 3 m³/h
PURION 2500 DUAL H	flow rate 8 m³/h
PURION 2501 DUAL H	flow rate 20 m³/h

PURION 1000 DUAL PRO	flow rate 0,8 m³/h
PURION 2500 DUAL 36 W PRO	flow rate 2 m³/h
PURION 2500 DUAL 90 W PRO	flow rate 5 m³/h

DUAL OTC

monitoring option



With the version PURION DUAL OTC both UV plants are switched and operated parallel. The control system is realized in one electronic control cabinet. Additionally one Operating Time Counter (OTC) is integrated.

Due to the simultaneous switching of both UV plants the current life time of the UV lamps is displayed for the whole DUAL plant. Power supply is carried out with 110 - 240 V 50/60 Hz. For the UV plant PURION 1000 Dual power supply can also be carried out with 12 V DC.

advantages	product line	PURION DUAL OTC
electric control system integrated in one cabinet	number of control cabinet	1
	dimensions control cabinet (WxHxD mm)	160 x 250 x 100 or 250 x 350 x 160
one switch button for both UV plants	no. of signal lights for operating status	2
	no. signal lights for disinfection power	1x OTC
safety mechanism to ensure guaranteed disinfection power via monitoring of the life time of the UV lamp (OTC)	number potential free contacts	0
	electrical connection	110-240 V 50/60 Hz 12 V DC
	over current protection	10 A (110-240 V AC) 6 A (12 V DC)
cost effective equipment acquisition	housing's type of protection	IP 54

PURION 1000 DUAL	flow rate 2 m³/h
PURION 2500 DUAL 36 W	flow rate 5 m³/h
PURION 2500 DUAL 90 W	flow rate 8 m³/h
PURION 2001 DUAL	flow rate 10 m³/h
PURION 2501 DUAL	flow rate 20 m³/h

PURION 1000 DUAL PVC-U	flow rate 2 m³/h
PURION 2500 DUAL 36 W PVC-U	flow rate 5 m³/h
PURION 2500 DUAL 90 W PVC-U	flow rate 8 m³/h
PURION 2001 DUAL PVC-U	flow rate 10 m³/h
PURION 2501 DUAL PVC-U	flow rate 20 m³/h

PURION 1000 DUAL H	flow rate 3 m³/h
PURION 2500 DUAL H	flow rate 8 m³/h
PURION 2501 DUAL H	flow rate 20 m³/h

PURION 1000 DUAL PRO	flow rate 0,8 m³/h
PURION 2500 DUAL 36 W PRO	flow rate 2 m³/h
PURION 2500 DUAL 90 W PRO	flow rate 5 m³/h

DUAL OTC Professional

monitoring option



With the version PURION DUAL OTC Professional it is possible to operate one or both UV reactors. The control system is realized integrated in one electronic control cabinet. For both PURION UV-lamps a monitoring of the life time of the UV lamp is integrated (OTC 2).

The second UV plant in flow direction can be additionally switched on (priority circuit). If only the first UV plant (in flow direction) is operated the second UV plant will be immediately and automatically switched on if there is an error or the life time of the UV lamp expires. With this backup mechanisms in case of operation only the first UV lamp a very high degree of safety is ensured.

advantages	product line	PURION DUAL OTC Professional
electric control system integrated in one cabinet	number of control cabinet	1
	dimensions control cabinet (WxHxD mm)	250 x 350 x 160
very high degree of safety to ensure guaranteed disinfection via combination of monitoring of the life time of the UV lamp (2 x OTC 2) and technical backup mechanism	no. of signal lights for operating status	2
	no. signal lights for disinfection power	2x OTC 2
main switch for operation mode	number potential free contacts	2
	electrical connection	110-240 V 50/60 Hz 12 V DC
cost effective equipment acquisition	over current protection	10 A (110-240 V AC) 6 A (12 V DC)
	housing's type of protection	IP 54

PURION 1000 DUAL	flow rate 2 m³/h
PURION 2500 DUAL 36 W	flow rate 5 m³/h
PURION 2500 DUAL 90 W	flow rate 8 m³/h
PURION 2001 DUAL	flow rate 10 m³/h
PURION 2501 DUAL	flow rate 20 m³/h
PURION 1000 DUAL PVC-U	flow rate 2 m³/h
PURION 2500 DUAL 36 W PVC-U	flow rate 5 m³/h
PURION 2500 DUAL 90 W PVC-U	flow rate 8 m³/h
PURION 2001 DUAL PVC-U	flow rate 10 m³/h
PURION 2501 DUAL PVC-U	flow rate 20 m³/h
PURION 1000 DUAL H	flow rate 3 m³/h
PURION 2500 DUAL H	flow rate 8 m³/h
PURION 2501 DUAL H	flow rate 20 m³/h
PURION 1000 DUAL PRO	flow rate 0,8 m³/h
PURION 2500 DUAL 36 W PRO	flow rate 2 m³/h
PURION 2500 DUAL 90 W PRO	flow rate 5 m³/h

DUAL OPD

monitoring option



With the version PURION DUAL OPD both UV plants are switched and operated parallel. The control system is realized in one electronic control cabinet with one Operating Power Detection (OPD) to monitor the UVC intensity.

The first UV plant in flow direction is equipped with a direct monitoring of the UVC intensity. Due to the simultaneous switching of both UV plants the current UVC intensity for the whole DUAL plant is displayed. Power supply is carried out with 110 - 240 V 50/60 Hz. For the UV plant PURION 1000 Dual power supply can also be carried out with 12 V DC.

advantages	product line	PURION DUAL OPD
electric control system integrated in one cabinet	number of control cabinet	1
	dimensions control cabinet (WxHxD mm)	160 x 250 x 100 or 250 x 350 x 160
safety mechanism to ensure guaranteed disinfection power via monitoring of the UVC intensity (OPD)	no. of signal lights for operating status	2
	no. signal lights for disinfection power	2x OPD
one switch button for both UV plants	number potential free contacts	0
	electrical connection	110-240 V 50/60 Hz 12 V DC
cost effective equipment acquisition	over current protection	10 A (110-240 V AC) 6 A (12 V DC)
	housing's type of protection	IP 54

PURION 1000 DUAL	flow rate 2 m³/h
PURION 2500 DUAL 36 W	flow rate 5 m³/h
PURION 2500 DUAL 90 W	flow rate 8 m³/h
PURION 2001 DUAL	flow rate 10 m³/h
PURION 2501 DUAL	flow rate 20 m³/h
PURION 1000 DUAL H	flow rate 3 m³/h
PURION 2500 DUAL H	flow rate 8 m³/h
PURION 2501 DUAL H	flow rate 20 m³/h

DUAL OPD Professional

monitoring option



DUAL OPD Ultra

monitoring option



With the version PURION DUAL OPD is possible to operate one or both UV lamps. The control system is realized in one electronic control cabinet with Operating Power Detection (OPD 2) for both UV lamps to monitor the UVC intensity.

The second UV plant in flow direction can be additionally switched on (priority circuit). If only the first UV plant (in flow direction) is operated the second UV plant will be immediately and automatically switched on if there is an error or too less UVC intensity within the first UV plant.

With this backup mechanisms in case of operation only one UV lamp, a very high degree of safety is ensured.

With the version PURION DUAL OPD Ultra both UV lamps are switched and operated simultaneously. For both plants a monitoring of the UVC intensity is integrated (OPD 2). Both plants are equipped with a potential free contact to switch the magnet valve.

In case of an error or too less UVC intensity the water flow will be immediately and automatically interrupted by the magnet valve. A renewed release of the water flow requires the correction of the error.

The version DUAL Professional OPD enables a well engineered protection to ensure the guaranteed disinfection power.

advantages	product line	PURION DUAL OPD Professional
electric control system integrated in one cabinet	number of control cabinet	1
	dimensions control cabinet (WxHxD mm)	250 x 350 x 160
very high degree of safety to ensure guaranteed disinfection via combination of monitoring UVC intensity (2x OPD 2) and technical backup mechanism	no. of signal lights for operating status	2
	no. signal lights for disinfection power	2x OPD 2
main switch for operation mode	number potential free contacts	2
	electrical connection	110-240 V 50/60 Hz 12 V DC
cost effective equipment acquisition	over current protection	10 A (110-240 V AC) 6 A (12 V DC)
	housing's type of protection	IP 54

advantages	product line	PURION DUAL OPD Ultra
electric control system integrated in one cabinet	number of control cabinet	1
	dimensions control cabinet (WxHxD mm)	250 x 350 x 160
supplied and electrically prefabricated magnet valve	no. of signal lights for operating status	2
	no. signal lights for disinfection power	2x OPD 2
highest degree of safety to ensure guaranteed disinfection via combination of monitoring the UVC intensity (2x OPD 2) and technical backup mechanism (magnet valve)	number potential free contacts	2
	electrical connection	110-240 V 50/60 Hz 12 V DC
cost effective equipment acquisition	over current protection	10 A (110-240 V AC) 6 A (12 V DC)
	additional equipment	magnet valve (electrically prefabricated)

PURION 1000 DUAL	flow rate 2 m³/h
PURION 2500 DUAL 36 W	flow rate 5 m³/h
PURION 2500 DUAL 90 W	flow rate 8 m³/h
PURION 2001 DUAL	flow rate 10 m³/h
PURION 2501 DUAL	flow rate 20 m³/h
PURION 1000 DUAL H	flow rate 3 m³/h
PURION 2500 DUAL H	flow rate 8 m³/h
PURION 2501 DUAL H	flow rate 20 m³/h

PURION 1000 DUAL	flow rate 2 m³/h
PURION 2500 DUAL 36 W	flow rate 5 m³/h
PURION 2500 DUAL 90 W	flow rate 8 m³/h
PURION 2001 DUAL	flow rate 10 m³/h
PURION 2501 DUAL	flow rate 20 m³/h
PURION 1000 DUAL H	flow rate 3 m³/h
PURION 2500 DUAL H	flow rate 8 m³/h
PURION 2501 DUAL H	flow rate 20 m³/h

PURION 1000 DUAL

The UV-plant PURION 1000 DUAL is made from electropolished stainless steel 1.4571.

The PURION 1000 DUAL is applied to disinfect drinking water up to a flow rate of 2 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.

The PURION 1.000 DUAL operates very efficiently with two PURION UV-lamps 17W. Several options for power supply and monitoring of the disinfection performance are available.



applications	product line	PURION 1000 DUAL
drinking water	flow rate	2 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	420 x 42 (2x)
sewage water	distance flanges	340 mm
pharmacy	weight	12,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
	total power	2x 17 W
	over current protection	10 A

advantages	
additional chemicals are not required for disinfection	
not affecting smell or taste	
low-maintenance operation	
low operational costs	

alternating current (VAC)

article-no.: 110 06800 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 07000 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 07200 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 06600 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 07300 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 07400 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

direct current (VAC)

article-no.: 110 06900 0000

- direct current 12 V DC
- direct current 24 V DC
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 10100 0000

- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 07100 0000

- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 10600 0000

- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 06700 0000

- direct current 12 V DC
- direct current 24 V DC
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 10700 0000

- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

PURION 1000 DUAL PVC-U

The UV plant PURION 1000 DUAL PVC-U is applied to disinfect saltwater or other aggressive fluids up to a flow rate of 2 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.

The PURION 1.000 DUAL PVC-U operates very efficiently with two PURION UV-lamps 17 W. Several options for power supply and monitoring of the disinfection performance are available.



applications	product line	PURION 1000 DUAL PVC-U
drinking water	flow rate	2 m³/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	Ø 50 mm
fish ponds	dimension (LxØ mm)	420 x 50 (2x)
sewage water	distance flanges	280 mm
pharmacy	weight	12,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
	total power	2x 17 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article-no.: 110 13400 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 13500 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 10500 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

direct current (VAC)

article-no.: 110 11000 0000

- direct current 12 V DC
- direct current 24 V DC
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 11100 0000

article-no.: 110 11200 0000

- direct current 12 V DC
- direct current 24 V DC
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 110 11300 0000

equipment PURION 1000 DUAL & 1000 DUAL PVC-U

assembly system Dual 1 stainless steel
article number: 290 11400 0000

assembly system Dual 1 galvanized
article number: 290 11300 0000



PURION UV-lamp 17 W
article number: 200 00300 0000



service-kit
article number: 292 00900 0000



PURION 2500 DUAL 36 W

The UV-plant PURION 2500 DUAL 36 W is made from electropolished stainless steel 1.4571.

The PURION 2500 DUAL 36 W DUAL is applied to disinfect drinking water up to a flow rate of 5 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.

The PURION 2500 DUAL 36 W operates very efficiently with two PURION UV-lamps 36 W. Several options for power supply and monitoring of the disinfection performance are available.



applications	product line	PURION 2500 DUAL 36 W
drinking water	flow rate	5 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	928 x 42 (2x)
sewage water	distance flanges	850 mm
pharmacy	weight	14,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz or 24 V DC
	total power	2x 36 W
	over current protection	10 A

advantages


additional chemicals are not required for disinfection

not affecting smell or taste

low-maintenance operation

low operational costs

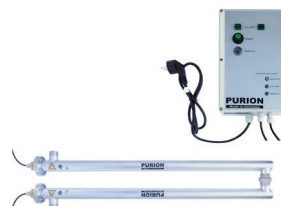
alternating current (VAC)



alternating current AC

- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

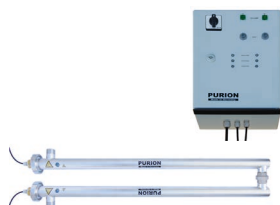
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alternating current AC

- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

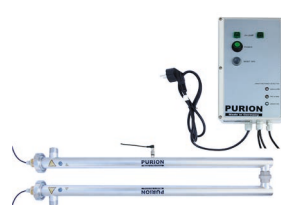
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alternating current AC

- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

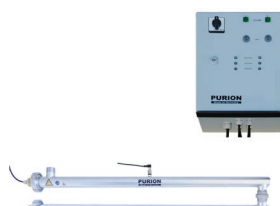
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alternating current AC

- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

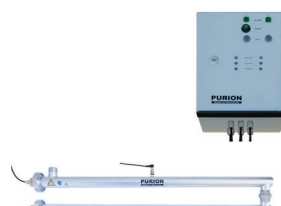
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alternating current AC

- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 130 06900 0000




alternating current AC

- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 130 07200 0000

direct current (VAC)




direct current 12 V DC

- direct current 24 V DC
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 130 09300 0000

article-no.: 130 07500 0000



direct current 12 V DC

- direct current 24 V DC
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 130 09500 0000

PURION 2500 DUAL 36 W PVC-U

The UV plant PURION 2.500 DUAL 36 W PVC-U is applied to disinfect saltwater or other aggressive fluids up to a flow rate of 5 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.

The PURION 2.500 DUAL 36 W PVC-U operates very efficiently with two PURION UV-lamps 36 W. Several options for power supply and monitoring of the disinfection performance are available.



applications	product line	PURION 2500 DUAL 36 W PVC-U
drinking water	flow rate	5 m³/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	Ø 50 mm
fish ponds	dimension (LxØ mm)	930 x 50 (2x)
sewage water	distance flanges	790 mm
pharmacy	weight	14,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz or 24 V DC
	total power	2x 36 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

alternating current AC
wide voltage
DUAL Basic
DUAL OTC
DUAL OTC Professional
DUAL OPD
DUAL OPD Professional
DUAL OPD Ultra

article-no.: 130 09000 0000

alternating current AC
wide voltage
DUAL Basic
DUAL OTC
DUAL OTC Professional
DUAL OPD
DUAL OPD Professional
DUAL OPD Ultra

article-no.: 130 09100 0000

alternating current AC
wide voltage
DUAL Basic
DUAL OTC
DUAL OTC Professional
DUAL OPD
DUAL OPD Professional
DUAL OPD Ultra

article-no.: 130 09200 0000

direct current (VAC)

direct current 12 V DC
direct current 24 V DC
DUAL Basic
DUAL OTC
DUAL OTC Professional
DUAL OPD
DUAL OPD Professional
DUAL OPD Ultra

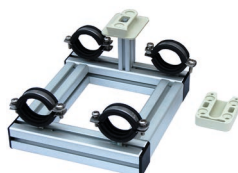
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direct current 12 V DC
direct current 24 V DC
DUAL Basic
DUAL OTC
DUAL OTC Professional
DUAL OPD
DUAL OPD Professional
DUAL OPD Ultra

article-no.: 130 09800 0000

equipment PURION 2500 DUAL 36 W & 2500 DUAL 36 W PVC-U

assembly system Dual 1
stainless steel
article number: 290 11400 0000



assembly system Dual 1
galvanized
article number: 290 11300 0000

PURION UV-lamp 36 W
article number: 200 00400 0000



service-kit
article number: 292 00900 0000



PURION 2500 DUAL 90 W

The UV-plant PURION 2500 DUAL 90 W is made from electropolished stainless steel 1.4571.

The PURION 2500 DUAL 90 W DUAL is applied to disinfect drinking water up to a flow rate of 8 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.

Several options for monitoring of the disinfection performance are available.



applications	product line	PURION 2500 DUAL 90 W
drinking water	flow rate	8 m³/h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	928 x 42 (2x)
sewage water	distance flanges	850 mm
pharmacy	weight	14,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	2x 90 W
	over current protection	10 A

advantages

additional chemicals are not required for disinfection

not affecting smell or taste

low-maintenance operation

low operational costs

alternating current (VAC)

article-no.: 130 05800 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 130 06100 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 130 06700 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 130 06400 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 130 07000 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 130 07300 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

equipment PURION 2500 DUAL 90 W

assembly system Dual 1
stainless steel
article number: 290 11400 0000

assembly system Dual 1
galvanized
article number: 290 11300 0000



PURION UV-lamp 90 W
article number: 200 00600 0000



service-kit
article number: 292 00900 0000



PURION 2500 DUAL 90 W PVC-U



The UV plant PURION 2.500 DUAL 90 W PVC-U is applied to disinfect saltwater or other aggressive fluids up to a flow rate of 8 m³/h and a transmission (or turbidity) of the water of at least 90% per cm. Several options for monitoring of the disinfection performance are available.

applications	product line	PURION 2500 DUAL
drinking water	flow rate	8 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	930 x 50 (2x)
sewage water	distance flanges	790 mm
pharmacy	weight	14,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	2x 90 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

alternating current AC
 wide voltage
 DUAL Basic
 DUAL OTC
 DUAL OTC Professional
 DUAL OPD
 DUAL OPD Professional
 DUAL OPD Ultra

article-no.: 130 11100 0000

alternating current AC
 wide voltage
 DUAL Basic
 DUAL OTC
 DUAL OTC Professional
 DUAL OPD
 DUAL OPD Professional
 DUAL OPD Ultra

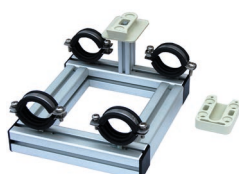
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alternating current AC
 wide voltage
 DUAL Basic
 DUAL OTC
 DUAL OTC Professional
 DUAL OPD
 DUAL OPD Professional
 DUAL OPD Ultra

article-no.: 130 11200 0000

equipment PURION 2500 DUAL 90 W PVC-U

assembly system Dual 1
stainless steel
article number: 290 11400 0000



assembly system Dual 1
galvanized
article number: 290 11300 0000

PURION UV-lamp 90 W
article number: 200 00600 0000



service-kit
article number: 292 00900 0000



PURION 2001 DUAL

The UV-plant PURION 2001 DUAL is made from electropolished stainless steel 1.4571.

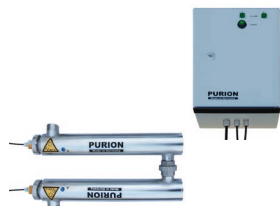
The PURION 2001 DUAL is applied to disinfect drinking water up to a flow rate of 10 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.

Several options for monitoring of the disinfection performance are available.



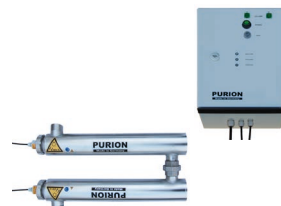
applications	product line	PURION 2001 DUAL
drinking water	flow rate	10 m ³ /h (Pools/Teiche: up to 80 m ³)
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1 1/2"
fish ponds	dimension (LxØ mm)	578 x 85 (2x)
sewage water	distance flanges	460 mm
pharmacy	weight	14,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	2x 48 W
	over current protection	10 A
advantages		
additional chemicals are not required for disinfection		
not affecting smell or taste		
low-maintenance operation		
low operational costs		

alternating current (VAC)




article-no.: 121 01700 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



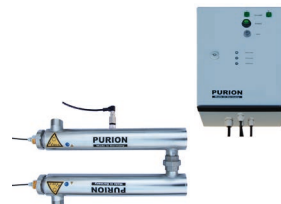
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- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra




article-no.: 121 02000 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



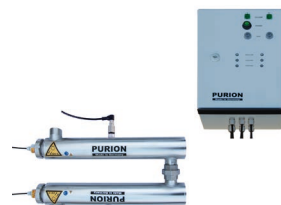
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- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



article-no.: 121 02100 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



article-no.: 121 02200 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

equipment PURION 2001 DUAL

assembly system Dual 2
stainless steel
article number: 290 11600 0000

assembly system Dual 2
galvanized
article number: 290 11500 0000



PURION UV-lamp 48 W
article number: 200 00500 0000

service-kit
article number: 292 00900 0000



PURION 2001 DUAL PVC-U



The UV plant PURION 2.001 DUAL PVC-U is applied to disinfect salt-water or other aggressive fluids up to a flow rate of 10 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.

Several options for monitoring of the disinfection performance are available.

applications	product line	PURION 2001 DUAL PVC-U
drinking water	flow rate	10 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	Ø 50 mm
fish ponds	dimension (LxØ mm)	928 x 100 (2x)
sewage water	distance flanges	710 mm
pharmacy	weight	14,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	2x 90 W
	over current protection	10 A

advantages

- additional chemicals are not required for disinfection
- not affecting smell or taste
- low-maintenance operation
- low operational costs

alternating current (VAC)

article-no.: 121 02300 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 121 02400 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 121 02500 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

equipment PURION 2001 DUAL PVC-U

assembly system Dual 2
stainless steel
article number: 290 11600 0000



assembly system Dual 2
galvanized
article number: 290 11500 0000

PURION UV-lamp 48 W
article number: 200 00500 0000



service-kit
article number: 292 00900 0000



PURION 2501 DUAL

The UV-plant PURION 2501 DUAL is made from electropolished stainless steel 1.4571.

The PURION 2501 DUAL is applied to disinfect drinking water up to a flow rate of 20 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.

Several options for monitoring of the disinfection performance are available.



applications	product line	PURION 2501 DUAL
drinking water	flow rate	20 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1 1/2"
fish ponds	dimension (LxØ mm)	928 x 85 (2x)
sewage water	distance flanges	810 mm
pharmacy	weight	16,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	2x 90 W
	over current protection	10 A

advantages

- additional chemicals are not required for disinfection
- not affecting smell or taste
- low-maintenance operation
- low operational costs

alternating current (VAC)

article-no.: 131 03000 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 03300 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 03600 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 04300 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 04000 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 04400 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

equipment PURION 2501 DUAL

assembly system Dual 2
stainless steel
article number: 290 11600 0000

assembly system Dual 2
galvanized
article number: 290 11500 0000



PURION UV-lamp 90 W
article number: 200 00600 0000



service-kit
article number: 292 00900 0000



PURION 2501 DUAL PVC-U

The UV plant PURION 2501 DUAL PVC-U is applied to disinfect saltwater or other aggressive fluids up to a flow rate of 20 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.

Several options for monitoring of the disinfection performance are available.



applications	product line	PURION 2501 DUAL PVC-U
drinking water	flow rate	20 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	Ø 50 mm
fish ponds	dimension (LxØ mm)	928 x 100 (2x)
sewage water	distance flanges	710 mm
pharmacy	weight	16,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	2x 90 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

article-no.: 131 03200 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 03500 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 03800 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

equipment PURION 2501 DUAL PVC-U

assembly system Dual 2
stainless steel
article number: 290 11600 0000

assembly system Dual 2
galvanized
article number: 290 11500 0000



PURION UV-lamp 90 W
article number: 200 00600 0000



service-kit
article number: 292 00900 0000



PURION 1000 DUAL H

The UV-plant PURION 1000 DUAL H is made from electropolished stainless steel 1.4571.

The PURION 1000 DUAL H is applied to disinfect drinking water up to a flow rate of 3 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.


The UV-plant PURION 1000 DUAL H has been developed for temperatures above 40 °C e.g. in warm water circulations. Several options for monitoring of the disinfection performance are available.



applications	product line	PURION 1000 DUAL H
drinking water	flow rate	3 m ³ /h drinking water
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	up to 90°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	420 x 42 (2x)
sewage water	distance flanges	340 mm
pharmacy	weight	12,0 kg
greenhouse water	life time of lamps	8.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	2x 42 W
	over current protection	10 A


advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)



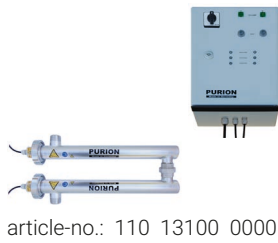
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- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra




article-no.: 110 12900 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



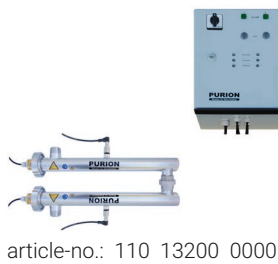
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- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra




article-no.: 110 13000 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



article-no.: 110 13200 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



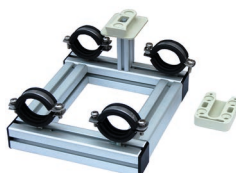
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- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

equipment PURION 1000 DUAL H

assembly system Dual 1
stainless steel
article number: 290 11400 0000

assembly system Dual 1
galvanized
article number: 290 11300 0000



PURION UV-lamp 42 W
article number: 200 01700 0000



service-kit
article number: 292 00900 0000



PURION 2500 DUAL H

The UV-plant PURION 2500 DUAL H is made from electropolished stainless steel 1.4571.

The PURION 2500 DUAL H is applied to disinfect drinking water up to a flow rate of 8 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.

The UV-plant PURION 2500 DUAL H has been developed for temperatures above 40 °C e.g. in warm water circulations. Several options for monitoring of the disinfection performance are available.




applications	product line	PURION 2500 DUAL H
drinking water	flow rate	8 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 90°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	928 x 42 (2x)
sewage water	distance flanges	850 mm
pharmacy	weight	14,0 kg
greenhouse water	life time of lamps	8.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	2x 106 W
	over current protection	10 A

advantages


- additional chemicals are not required for disinfection
- not affecting smell or taste
- low-maintenance operation
- low operational costs

alternating current (VAC)




article-no.: 130 05900 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



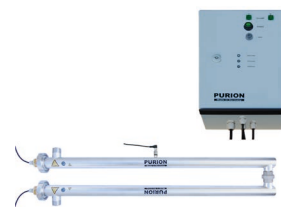
article-no.: 130 06200 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



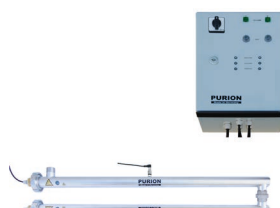
article-no.: 130 06800 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



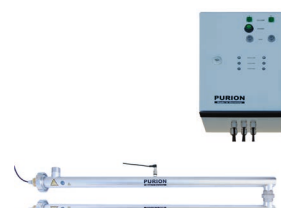
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- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



article-no.: 130 07100 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

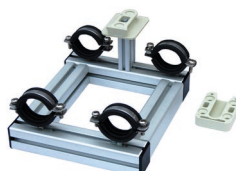


article-no.: 130 07400 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

equipment PURION 2500 DUAL H

assembly system Dual 1
stainless steel
article number: 290 11400 0000



assembly system Dual 1
galvanized
article number: 290 11300 0000

PURION UV-lamp 106 W
article number: 200 00800 0000



service-kit
article number: 292 00900 0000



PURION 2501 DUAL H

The UV-plant PURION 2501 DUAL H is made from electropolished stainless steel 1.4571.

The PURION 2501 DUAL H is applied to disinfect drinking water up to a flow rate of 20 m³/h and a transmission (or turbidity) of the water of at least 90% per cm.

The UV-plant PURION 2501 DUAL H has been developed for temperatures above 40 °C e.g. in warm water circulations.

Several options for monitoring of the disinfection performance are available.



applications	product line	PURION 2501 DUAL H
drinking water	flow rate	20 m ³ /h
climate water	UVC-transmission	90% T ₁ cm
pools	temperature	2°C - 90°C
aquarium	flanges	R 1 1/2"
fish ponds	dimension (LxØ mm)	928 x 85 (2x)
sewage water	distance flanges	810 mm
pharmacy	weight	16,0 kg
greenhouse water	life time of lamps	8.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	2x 106 W
	over current protection	10 A

advantages

- additional chemicals are not required for disinfection
- not affecting smell or taste
- low-maintenance operation
- low operational costs

alternating current (VAC)

article-no.: 131 03100 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 03400 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 03700 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 04600 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 04700 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

article-no.: 131 04900 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

equipment PURION 2501 DUAL H

assembly system Dual 2
stainless steel
article number: 290 11600 0000

assembly system Dual 2
galvanized
article number: 290 11500 0000



PURION UV-lamp 106 W
article number: 200 00800 0000



service-kit
article number: 292 00900 0000



PURION 1000 DUAL PRO

The UV-plant PURION 1000 DUAL PRO is made from electropolished stainless steel 1.4571.

The PURION 1000 DUAL PRO is applied to disinfect industrial water and emulsions up to a flow rate of 800 l/h with a transmission (or turbidity) of the fluids of 20 - 90% per cm.

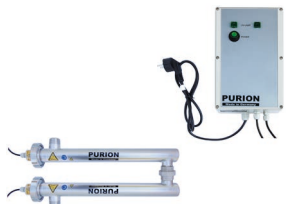
Several options for power supply and monitoring of the disinfection performance are available.



applications	product line	PURION 1000 DUAL PRO
drinking water	flow rate	800 l/h
climate water	UVC-transmission	> 20% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	420 x 42 (2x)
sewage water	distance flanges	340 mm
pharmacy	weight	12,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V/50 Hz or 110-240 V 50/60 Hz 12 V DC or 24 V DC
	total power	2x 17 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)



alternating current AC

wide voltage

DUAL Basic

DUAL OTC


DUAL OTC Professional

DUAL OPD

DUAL OPD Professional

DUAL OPD Ultra

article-no.: 110 11800 0000



alternating current AC

wide voltage

DUAL Basic

DUAL OTC


DUAL OTC Professional

DUAL OPD

DUAL OPD Professional

DUAL OPD Ultra

article-no.: 110 11900 0000



alternating current AC

wide voltage

DUAL Basic

DUAL OTC

DUAL OTC Professional

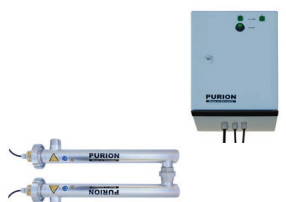
DUAL OPD

DUAL OPD Professional

DUAL OPD Ultra

article-no.: 110 10500 0000

direct current (VAC)



direct current 12 V DC

direct current 24 V DC

DUAL Basic

DUAL OTC

DUAL OTC Professional

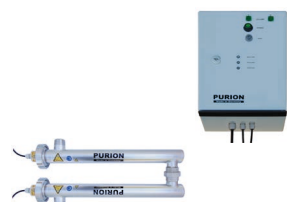
DUAL OPD

DUAL OPD Professional

DUAL OPD Ultra

article-no.: 110 12100 0000

article-no.: 110 12200 0000



direct current 12 V DC

direct current 24 V DC

DUAL Basic

DUAL OTC

DUAL OTC Professional

DUAL OPD

DUAL OPD Professional

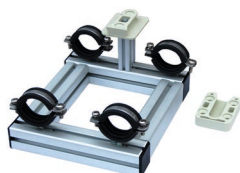
DUAL OPD Ultra

article-no.: 110 12300 0000

article-no.: 110 12400 0000

equipment PURION 1000 DUAL PRO

assembly system Dual 1
stainless steel
article number: 290 11400 0000



assembly system Dual 1
galvanized
article number: 290 11300 0000

PURION UV-lamp 17 W
article number: 200 00300 0000



service-kit
article number: 292 00900 0000



PURION 2500 DUAL 36 W PRO

The UV-plant PURION 2500 DUAL 36 W PRO is made from electropolished stainless steel 1.4571.

The PURION 2500 DUAL 36 W PRO is applied to disinfect industrial water and emulsions up to a flow rate of 2 m³/h with a transmission (or turbidity) of the fluids of 20 - 90% per cm.

Several options for power supply and monitoring of the disinfection performance are available.



applications	product line	PURION 2500 DUAL 36 W PRO
drinking water	flow rate	2 m ³ /h
climate water	UVC-transmission	> 20% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	928 x 42 (2x)
sewage water	distance flanges	850 mm
pharmacy	weight	14,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m ²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz or 24 V DC
	total power	2x 36 W
	over current protection	10 A

advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)

alternating current AC
wide voltage
DUAL Basic
DUAL OTC
DUAL OTC Professional
DUAL OPD
DUAL OPD Professional
DUAL OPD Ultra

article-no.: 130 10000 0000 | • | • | • | | | | | | |

alternating current AC
DUAL Basic
DUAL OTC
DUAL OTC Professional
DUAL OPD
DUAL OPD Professional
DUAL OPD Ultra

article-no.: 130 10100 0000 | • | • | • | | | | | | |

alternating current AC
wide voltage
DUAL Basic
DUAL OTC
DUAL OTC Professional
DUAL OPD
DUAL OPD Professional
DUAL OPD Ultra

article-no.: 130 10200 0000 | • | • | • | | | | | | |

direct current (VAC)

direct current 12 V DC
direct current 24 V DC
DUAL Basic
DUAL OTC
DUAL OTC Professional
DUAL OPD
DUAL OPD Professional
DUAL OPD Ultra

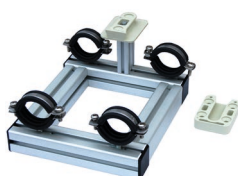
article-no.: 130 10300 0000 | • | • | • | | | | | | |

direct current 12 V DC
direct current 24 V DC
DUAL Basic
DUAL OTC
DUAL OTC Professional
DUAL OPD
DUAL OPD Professional
DUAL OPD Ultra

article-no.: 130 10400 0000 | • | • | • | | | | | | |

equipment PURION 2500 DUAL 36 W PRO

assembly system Dual 1
stainless steel
article number: 290 11400 0000



assembly system Dual 1
galvanized
article number: 290 11300 0000

PURION UV-lamp 36 W
article number: 200 00400 0000



service-kit
article number: 292 00900 0000



PURION 2500 DUAL 90 W PRO

The UV-plant PURION 2500 DUAL 90 W PRO is made from electropolished stainless steel 1.4571.

The PURION 2500 DUAL 90 W PRO is applied to disinfect industrial water and emulsions up to a flow rate of 5 m³/h with a transmission (or turbidity) of the fluids of 20 - 90% per cm.


Several options for monitoring of the disinfection performance are available.



applications	product line	PURION 2500 DUAL 90 W PRO
drinking water	flow rate	5 m³/h
climate water	UVC-transmission	> 20% T ₁ cm
pools	temperature	2°C - 40°C
aquarium	flanges	R 1"
fish ponds	dimension (LxØ mm)	928 x 42 (2x)
sewage water	distance flanges	850 mm
pharmacy	weight	14,0 kg
greenhouse water	life time of lamps	10.000 h
industrial water	dosis	400 J/m²
cooling lubricant	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	110-240 V 50/60 Hz
	total power	2x 90 W
	over current protection	10 A


advantages
additional chemicals are not required for disinfection
not affecting smell or taste
low-maintenance operation
low operational costs

alternating current (VAC)



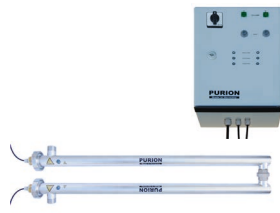
article-no.: 130 10600 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra



article-no.: 130 05700 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

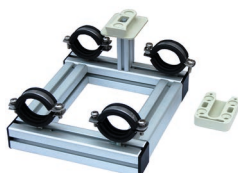


article-no.: 130 10800 0000

- alternating current AC
- wide voltage
- DUAL Basic
- DUAL OTC
- DUAL OTC Professional
- DUAL OPD
- DUAL OPD Professional
- DUAL OPD Ultra

equipment PURION 2500 DUAL 90 W PRO

assembly system Dual 1
stainless steel
article number: 290 11400 0000



assembly system Dual 1
galvanized
article number: 290 11300 0000

PURION UV-lamp 90 W
article number: 200 00600 0000



service-kit
article number: 292 00900 0000



PURION MULTIPLANT 2501 / 6



The PURION MULTIPLANT 2501 / 6 is designed to enable UV based disinfection for high flow rates up to 90 m³/h. The electric control cabinet can be equipped with the Operating Time Counter (OTC 2) or Operating Power Detection (OPD 2) via sensor. The potential free contact D1-D2 (error sum signal) enables easy integration into existing monitoring systems.

applications / PURION MULTIPLANTS are suitable for:	product line	PURION MULTIPLANT 2501 / 6
drinking water	flow rate for given UVC-transmission	> 94 % T _{1,cm} : 90 m ³ /h > 90 % T _{1,cm} : 60 m ³ /h
cooling water	dosis	400 J/m ²
pool water	dimension (L x B x H mm)	approx. 900 x 1.100 x 1.600
	weight	80 kg
	no. of lamps	6
	max. operating pressure	10 bar
options for configuration	electrical connection	PURION controll cabinet Model 1: • 3 ~/N/PE 50 Hz 400/230V • L/N/PE 50 Hz 230V
hot water up to 90 °C	total power	6 x 90 W or 6 x 106 W (depends on configuration)
Operating Time Counter OTC 2	current protection	3 x 6A
Operating Power Detection OPD 2	rack	grooved aluminium



article number: 131 05000 0000
article number: 131 05600 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)
- Operating Power Detection (OPD 2)



article number: 131 05100 0000
article number: 131 05200 0000
article number: 131 05700 0000
article number: 131 05800 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)
- Operating Power Detection (OPD 2)



article number: 131 05300 0000
article number: 131 05900 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)
- Operating Power Detection (OPD 2)

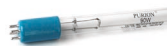


article number: 131 05400 0000
article number: 131 05500 0000
article number: 131 06000 0000
article number: 131 06100 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)
- Operating Power Detection (OPD 2)

equipment PURION MULTIPLANT 2501 / 6

PURION UV-lamp 90 W
article number: 200 00600 0000



PURION UV-lamp 106 W
article number: 200 00800 0000



Service-Kit
article number: 292 00900 0000



PURION MULTIPLANT 2501 / 8



The PURION MULTIPLANT 2501 / 8 is designed to enable UV based disinfection for high flow rates up to 120 m³/h. The electric control cabinet can be equipped with the Operating Time Counter (OTC 2) or Operating Power Detection (OPD 2) via sensor. The potential free contact D1-D2 (error sum signal) enables easy integration into existing monitoring systems.

applications / PURION MULTIPLANTS are suitable for:

- drinking water
- cooling water
- pool water

product line PURION MULTIPLANT 2501 / 8

flow rate for given UVC-transmission	> 94 % T _{1,cm} : 120 m³/h > 90 % T _{1,cm} : 80 m³/h
dosis	400 J/m²
dimension (L x B x H mm)	approx. 1.100 x 1.100 x 1.600
weight	100 kg
no. of lamps	8
max. operating pressure	10 bar

options for configuration

- hot water up to 90 °C
- Operating Time Counter OTC 2
- Operating Power Detection OPD 2

electrical connection	PURION controll cabinet Model 1: • 3 ~/N/PE 50 Hz 400/230V • L/N/PE 50 Hz 230V
total power	8 x 90 W or 8 x 106 W (depends on configuration)
current protection	3 x 6A
rack	grooved aluminium



article number: 131 06200 0000
article number: 131 06800 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)
- Operating Power Detection (OPD 2)



article number: 131 06300 0000
article number: 131 06400 0000
article number: 131 06900 0000
article number: 131 07000 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)
- Operating Power Detection (OPD 2)



article number: 131 06500 0000
article number: 131 07100 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)
- Operating Power Detection (OPD 2)



article number: 131 06600 0000
article number: 131 06700 0000
article number: 131 07200 0000
article number: 131 07300 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)
- Operating Power Detection (OPD 2)

equipment PURION MULTIPLANT 2501 / 8

Service-Kit
article number: 292 00900 0000



PURION UV-lamp 90 W
article number: 200 00600 0000



PURION UV-lamp 106 W
article number: 200 00800 0000



PURION PRO MULTIPLANT 2500 / 6



The PURION PRO MULTIPLAN 2500 / 6 is designed for UV based disinfection in case of high flow rates and special liquids with very low transmission. The electric control cabinet can be equipped with the Operating Time Counter (OTC 2). The potential free contact D1-D2 (error sum signal) enables easy integration into existing monitoring systems.

applications / PURION PRO MULTIPLANTS are suitable for:

- coolant/ lubricant
- circulation water from washing processes
- applications in agriculture

options for configuration

hot water up to 90 °C

Operating Time Counter OTC 2

product line PURION PRO MULTIPLANT 2500 / 6

flow rate for given UVC-transmission	> 20 % T _{1,cm} : 15 m ³ /h > 10 % T _{1,cm} : 5 m ³ /h
dosis	400 J/m ²
dimension (L x B x H mm)	approx. 600 x 400 x 1.200
weight	75 kg
no. of lamps	6
max. operating pressure	10 bar
electrical connection	PURION controll cabinet Model 1: • 3 ~/N/PE 50 Hz 400/230V • L/N/PE 50 Hz 230V
total power	6 x 90 W or 6 x 106 W (depends on configuration)
current protection	3 x 6A
rack	grooved aluminium



article number: 130 11300 0000
article number: 130 11700 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)



article number: 130 11400 0000
article number: 130 11800 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)



article number: 130 11500 0000
article number: 130 11900 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)



article number: 130 11600 0000
article number: 130 12000 0000

- water up to 40 °C
- hot water up to 90 °C
- Operating Time Counter (OTC 2)

equipment PURION MULTIPLANT 2500 / 6

PURION UV-lamp 90 W
article number: 200 00600 0000



PURION UV-lamp 106 W
article number: 200 00800 0000



Service-Kit
article number: 292 00900 0000



PURION PRO MULTIPLANT 2500 / 8



The PURION PRO MULTIPLAN 2500 / 8 is designed for UV based disinfection in case of high flow rates and special liquids with very low transmission. The electric control cabinet can be equipped with the Operating Time Counter (OTC 2). The potential free contact D1-D2 (error sum signal) enables easy integration into existing monitoring systems.

applications / PURION PRO MULTIPLANTS are suitable for:

- coolant/ lubricant
- circulation water from washing processes
- applications in agriculture

options for configuration

hot water up to 90 °C

Operating Time Counter OTC 2

product line	PURION PRO MULTIPLANT 2500 / 8
flow rate for given UVC-transmission	> 20 % T _{1cm} : 20 m ³ /h > 10 % T _{1cm} : 7 m ³ /h
dosis	400 J/m ²
dimension (L x B x H mm)	approx. 600 x 400 x 1.200
weight	85 kg
no. of lamps	8
max. operating pressure	10 bar
electrical connection	PURION controll cabinet Model 1: • 3 ~/N/PE 50 Hz 400/230V • L/N/PE 50 Hz 230V
total power	8 x 90 W or 8 x 106 W (depends on configuration)
current protection	3 x 6A
rack	grooved aluminium



article number: 130 12100 0000
article number: 130 12500 0000

- water up to 40 °C
- hot water up to 90 °C
Operating Time Counter (OTC 2)



article number: 130 12200 0000
article number: 130 12600 0000

- water up to 40 °C
- hot water up to 90 °C
Operating Time Counter (OTC 2)



article number: 130 12300 0000
article number: 130 12700 0000

- water up to 40 °C
- hot water up to 90 °C
Operating Time Counter (OTC 2)



article number: 130 12400 0000
article number: 130 12800 0000

- water up to 40 °C
- hot water up to 90 °C
Operating Time Counter (OTC 2)

equipment PURION MULTIPLANT 2500 / 8

Service-Kit
article number: 292 00900 0000



PURION UV-lamp 90 W
article number: 200 00600 0000



PURION UV-lamp 106 W
article number: 200 00800 0000



PURION Compact system active

The pre assembled PURION Compact system active allows for the immediate supply of drinking water and consists of an UV plant, filters and a pump.
The PURION UV-plant is equipped with an Operating Time Counter (OTC).
Furthermore three filters can be equipped with filter cartridges.

applications	product line	PURION Compact system active
camping & caravan	flow rate	400 l/h drinking water
expedition	UVC-transmission	90% T ₁ cm
mobile water supply	temperature	2°C up to 40°C
	UV-plant	PURION 500
	monitoring UV-plant	Operating Time Counter (OTC)
	number of filters	2
	delivery rate pump	400 l/h
	dimension total system (L x B x H in mm)	480 x 300 x 420
	weight total system	11,0 kg
	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	12 / 24 V DC
	total power	1x 10 W (UV) 1x 18 W (pump)
	over current protection	10 A

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
mobility / flexibility
low-maintenance operation
low operational costs

direct current (VAC)

article-no.: 105 04800 0000
article-no.: 105 04900 0000

direct current 12 V DC
direct current 24 V DC
Operating Time Counter

-
-
-



equipment PURION Compact system active

PURION cartridge activated carbon
article number: 410 01000 0000
PURION cartridge coarse filter
article number: 410 00800 0000
PURION cartridge fine filter
article number: 410 00900 0000



PURION UV-lamp 10 W
article number: 200 01300 0000



service-kit
article number: 292 00900 0000

PURION Compact system MAX

The pre assembled PURION Compact system MAX allows for the immediate supply of drinking water and consists of an UV plant and three filters.
The PURION UV-plant is equipped with an Operating Time Counter (OTC).
Furthermore three filters can be equipped with filter cartridges.

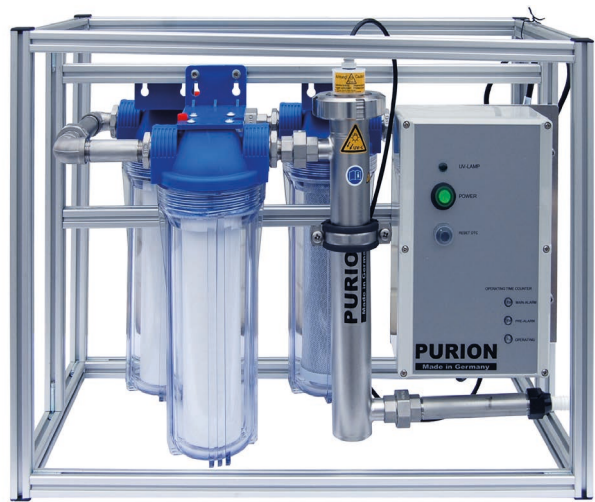
applications	product line	PURION Compact system MAX
camping & caravan	flow rate	400 l/h drinking water
expedition	UVC-transmission	90% T ₉₀ cm
mobile water supply	temperature	2°C up to 40°C
	UV-plant	PURION 500
	monitoring UV-plant	Operating Time Counter (OTC)
	number of filters	3
	delivery rate pump	400 l/h
	dimension total system (L x B x H in mm)	580 x 300 x 420
	weight total system	11,0 kg
	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	230 V AC, 12/24 V DC
	total power	1x 10 W (UV)
	over current protection	8 A

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
mobility / flexibility
low-maintenance operation
low operational costs

alternating current-/ direct current (VAC)

article-no.: 105 05200 0000
 article-no.: 105 05000 0000
 article-no.: 105 05100 0000

alternating current AC	direct current 12 V DC	direct current 24 V DC	Operating Time Counter
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



equipment PURION Compact system MAX

PURION cartridge activated carbon
 article number: 410 01000 0000
 PURION cartridge coarse filter
 article number: 410 00800 0000
 PURION cartridge Ffine filter
 article number: 410 00900 0000



PURION UV-lamp 10 W
 article number: 200 01300 0000



service-kit
 article number: 292 00900 0000

PURION Compact system MAX active

The pre assembled PURION Compact system MAX active allows for the immediate supply of drinking water and consists of an UV plant, filters and a pump.
The PURION UV-plant is equipped with an Operating Time Counter (OTC).
Furthermore three filters can be equipped with filter cartridges.

applications	product line	PURION Compact system MAX active
camping & caravan	flow rate	400 l/h drinking water
expedition	UVC-transmission	90% T ₁ cm
mobile water supply	temperature	2°C up to 40°C
	UV-plant	PURION 500
	monitoring UV-plant	Operating Time Counter (OTC)
	number of filters	3
	delivery rate pump	400 l/h
	dimension total system (L x B x H in mm)	580 x 300 x 420
	weight total system	11,0 kg
	max. pressure	10 bar
	protection grade	IP 65
	electrical connection	12 / 24 V DC
	total power	1x 10 W (UV) 1x 18 W (pump)
	over current protection	8 A

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
mobility / flexibility
low-maintenance operation
low operational costs

direct current (VAC)

article-no.: 105 05300 0000
article-no.: 105 05400 0000

- direct current 12 V DC
- direct current 24 V DC
- Operating Time Counter



equipment PURION Compact system active

PURION cartridge activated carbon
article number: 410 01000 0000
PURION cartridge coarse filter
article number: 410 00800 0000
PURION cartridge fine filter
article number: 410 00900 0000



PURION UV-lamp 10 W
article number: 200 01300 0000



service-kit
article number: 292 00900 0000



PURION Tropical- box active



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.

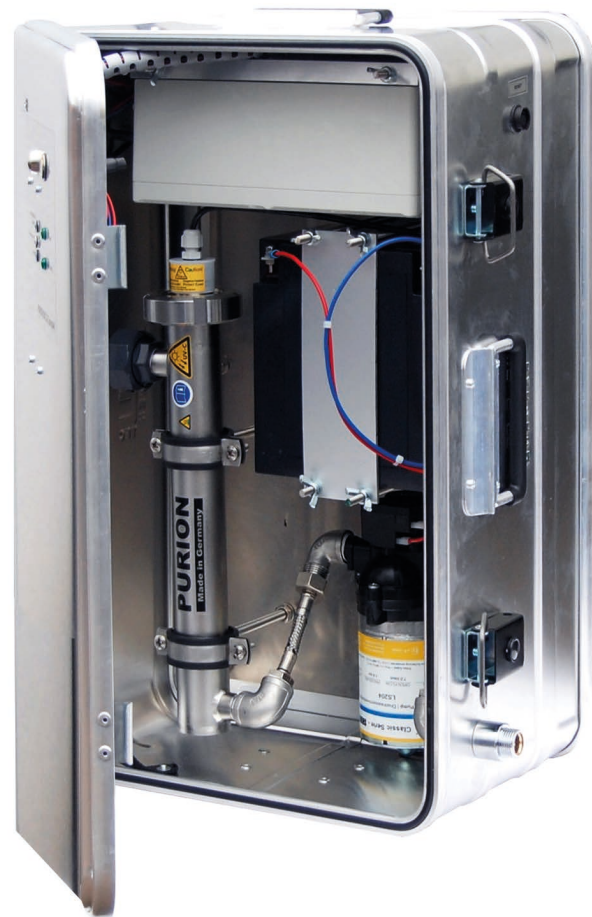
Charging of the battery can be done with a solar panel or 110-230V power supply.

applications	product line	PURION Tropical-box active
drinking water supply in remote areas	flow rate	400 l/h drinking water
mobile drinking water supply (e.g. expedition vehicles, boats)	battery power	approx. 20 hours
	dimensions (L x B x H in mm)	600 x 270 x 380
	weight	17 kg
	UVC-transmission	90% T ₁ cm
	temperature max.	2°C up to 40°C
	reactor	stainless steel 1.4571
	flanges	R 1/2"
advantages	life time of lamps	10.000 h
plug & play system for immediate operation	max. pressure	10 bar
suitable for mobile applications without central power supply	delivery rate pump	400 l/h
	voltage battery	12 V DC, 24 Ah
low-maintenance operation	material battery	lead-gel
low operational costs	total power	1x 10 W (UV) 1x 18 W (pump)

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.



article-no.: 105 02800 0000

- direct current 12 V DC
- direct current 24 V DC
- Operating Time Counter

equipment PURION Tropical-box active

PURION UV-lamp 10 W
article number: 200 01300 0000



service-kit
article number: 292 00900 0000



PURION Pool 40



The integrated plant PURION Pool 40 consists of a filtration of sediments and UV based disinfection of pool water. It is applied to disinfect circulation water of pools. The pre filter removes sediment from the pool water. The following UV based disinfection prevents biological activities – especially forming of algae.

applications	product line	PURION Pool 40
UV based disinfection of pool water up to 40 m ³	pool dimension	40 m ³ (20 h operation) 30 m ³ (15 h operation)
	dimension (L x B x H in mm)	770 x 530 x 940
	UV plant	PURION 2001
advantages	life time of lamps	10.000 h
plug and play system for immediate operation	max. delivery rate rotary pump	6 m ³ /h
up to 95% reduction of chemicals compared to chemical treatment of the water	weight (without quartz granulate)	34 kg
	quantity quartz	35 kg
considerable cost cutting due to less cost for chemicals	valve filter tank	top mount 4 port valve
low-maintenance operation	protection grade	IP 54
low operational costs	electrical connection	230 V
	over current protection	10 A

1st step: filtration of sediments

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. This pre filter has two layers with different granulate dimension that removes sediment from the pool water.

2nd step: disinfection with UV-light

The following UV based disinfection prevents biological activities – especially the formation of algae. Unlike other cleaning procedures this approach does not produce potentially dangerous byproducts.



article-no.: 140 00100 0000
article-no.: 140 00200 0000

- stainless steel
- PVC-U
- alternating current
- Operating Time Counter

equipment PURION Pool 40

Quartz-granulate
fine granularity
article number: 292 02300 0000



Quartz-granulate
coarse granularity
article number: 292 02400 0000



PURION UV-lamp 48 W
article number: 200 00500 0000



service-kit
article number: 292 00900 0000



PURION Pool 40 PVC-U



The integrated plant PURION Pool 40 PVC-U consists of a filtration of sediments and UV based disinfection of pool water. It is applied to disinfect circulation water of pools. The pre filter removes sediment from the pool water. The following UV based disinfection prevents biological activities – especially forming of algae.

applications	product line	PURION Pool 40 PVC-U
UV based disinfection of pool water up to 40 m³	pool dimension	40 m³ (20 h operation) 30 m³ (15 h operation)
	dimension (L x B x H in mm)	770 x 530 x 940
	UV plant	PURION 2001 PVC-U
	life time of lamps	10.000 h
	max. delivery rate rotary pump	6 m³/h
	weight (without quartz granulate)	34 kg
	quantity quartz	35 kg
	valve filter tank	top mount 4 port valve
	protection grade	IP 54
	electrical connection	230 V
	over current protection	10 A

advantages
plug and play system for immediate operation

up to 95% reduction of chemicals compared to chemical treatment of the water

considerable cost cutting due to less cost for chemicals

suitable for salt water application

low-maintenance operation

low operational costs

1st step: filtration of sediments

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. This pre filter has two layers with different granulate dimension that removes sediment from the pool water.

2nd step: disinfection with UV-light

The following UV based disinfection prevents biological activities – especially the formation of algae. Unlike other cleaning procedures this approach does not produce potentially dangerous byproducts.



article-no.: 140 00300 0000

article-no.: 140 00400 0000

stainless steel	PVC-U	alternating current	Operating Time Counter
•	•	•	•

equipment PURION Pool 40 PVC-U

Quartz-granulate
fine granularity
article number: 292 02300 0000



Quartz-granulate
coarse granularity
article number: 292 02400 0000



PURION UV-lamp 48 W
article number: 200 00500 0000



service-kit
article number: 292 00900 0000



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 pre filter removes sediment from the pool water. The following UV based disinfection prevents biological activities – especially forming of algae.

applications	product line	PURION Pool 80
UV based disinfection of pool water up to 80 m³	pool dimension	80 m³ (20 h operation) 60 m³ (15 h operation)
	dimension (L x B x H in mm)	850 x 630 x 1.290
	UV plant	PURION 2501
advantages	life time of lamps	10.000 h
plug and play system for immediate operation	max. delivery rate rotary pump	12 m³/h
up to 95% reduction of chemicals compared to chemical treatment of the water	weight (without quartz granulate)	48 kg
	quantity quartz	85 kg
considerable cost cutting due to less cost for chemicals	valve filter tank	top mount 4-Wege-Ventil
low-maintenance operation	protection grade	IP 54
low operational costs	electrical connection	230 V
	over current protection	10 A

1st step: filtration of sediments

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. This pre filter has two layers with different granulate dimension that removes sediment from the pool water.

2nd step: disinfection with UV-light

The following UV based disinfection prevents biological activities – especially the formation of algae. Unlike other cleaning procedures this approach does not produce potentially dangerous byproducts.



article-no.: 140 00500 0000
 article-no.: 140 00600 0000

- stainless steel
- PVC-U
- alternating current
- Operating Time Counter

equipment PURION Pool 80

Quartz-granulate
 fine granularity
 article number: 292 02300 0000



Quartz-granulate
 coarse granularity
 article number: 292 02400 0000



PURION UV-lamp 90 W
 article number: 200 00600 0000



service-kit
 article number: 292 00900 0000



PURION Pool 80 PVC-U



The integrated plant PURION POOL 80 PVC-U consists of a filtration of sediments and UV based disinfection of pool water. It is applied to disinfect circulation water of pools. The pre filter removes sediment from the pool water. The following UV based disinfection prevents biological activities – especially forming of algae.

applications	product line	PURION Pool 80 PVC-U
UV based disinfection of pool water up to 80 m³	pool dimension	80 m³ (20 h operation) 60 m³ (15 h operation)
	dimension (L x B x H in mm)	850 x 630 x 1.290
	UV plant	PURION 2501 PVC-U
	life time of lamps	10.000 h
	max. delivery rate rotary pump	12 m³/h
	weight (without quartz granulate)	48 kg
	quantity quartz	85 kg
	valve filter tank	top mount 4-Wege-Ventil
	protection grade	IP 54
	electrical connection	230 V
	over current protection	10 A

advantages
plug & play system for immediate operation
up to zu 95 % reduction of chemicals compared to chemical treatment of the water
considerable cost cutting due to less cost for chemicals
suitable for salt water application
low-maintenance operation
low operational costs

1st step: filtration of sediments

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. This pre filter has two layers with different granulate dimension that removes sediment from the pool water.

2nd step: disinfection with UV-light

The following UV based disinfection prevents biological activities – especially the formation of algae. Unlike other cleaning procedures this approach does not produce potentially dangerous byproducts.



article-no.: 140 00700 0000
article-no.: 140 00800 0000

stainless steel	•
PVC-U	•
alternating current	•
Operating Time Counter	•

equipment PURION Pool 80 PVC-U

Quartz-granulate
fine granularity
article number: 292 02300 0000



Quartz-granulate
coarse granularity
article number: 292 02400 0000



PURION UV-lamp 90 W
article number: 200 00600 0000



service-kit
article number: 292 00900 0000



equipment

Spare parts



PURION guarantees that essential equipment and spare parts are promptly delivered.

The optional equipment for the PURION UV-plants can expand possible applications. This is especially valid for the pre filtration options in the field of treatment of water.

Moreover the optional equipment for assembly makes it very easy to install the PURION plants and put them into operation.

Important spare parts e.g. PURION UV-lamps or filter cartridges are always at stock. Therefore it is ensured that even in a "emergency situation" the application is only interrupted for a very short period of time.

PURION guarantees that essential equipment and spare parts are promptly delivered.

PURION UV-lamps









PURION low pressure UV Lamps are working without generating OZONE. They emit UV C radiation at a wave-length of 254 nm.



The guaranteed life time is valid in case of not exceeded 6 switching operations of the UV-lamp per day (in average). For temperatures above 40 C° special PURION UV-lamps that are operating with Amalgam technology are available.

advantages	product line	PURION UV-lamps
germs cannot become resistant to UV C radiation	total power	10 W – 106 W
PURION UV-lamps do not produce OZONE	lamp current	425 mA – 1,2 A
A special coating on the UV-lamps glass guarantees a stable UVC-radiation	lamp voltage	25 V – 88 V
low operational costs	life time of lamps	10.000 h / 8.000 h
special options for temperatures up to 90 C°	diameter	15 mm
PURION electronic ballasts are technically coordinated with the PURION UV-lamps	length (without pin)	212 mm – 843 mm
	length pin	7,7 mm
	temperatures	-20 C° up to 90 C°



PURION UV-lamps - HIGH OUTPUT

 PURION UV-lamp 10 W article-no.: 200 01300 0000	• Temperature up to 40 C° Temperature up to 90 C° UVA-light Bio Vital	 PURION UV-lamp 14 W article-no.: 200 01500 0000	• Temperature up to 40 C° Temperature up to 90 C° UVA-light Bio Vital
 PURION UV-lamp 17 W article-no.: 200 00300 0000	• Temperature up to 40 C° Temperature up to 90 C° UVA-light Bio Vital	 PURION UV-lamp 36 W article-no.: 200 00400 0000	• Temperature up to 40 C° Temperature up to 90 C° UVA-light Bio Vital
 PURION UV-lamp 48 W article-no.: 200 00500 0000	• Temperature up to 40 C° Temperature up to 90 C° UVA-light Bio Vital	 PURION UV-lamp 90 W article-no.: 200 00600 0000	• Temperature up to 40 C° Temperature up to 90 C° UVA-light Bio Vital

PURION UV-lamps - AMALGAM TECHNOLOGY

 PURION UV-lamp 42 W article-no.: 200 01700 0000	• Temperature up to 40 C° Temperature up to 90 C° UVA-light Bio Vital	 PURION UV-lamp 106 W article-no.: 200 00800 0000	• Temperature up to 40 C° Temperature up to 90 C° UVA-light Bio Vital
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SPECIAL OPTIONS

 UVA-lamp 6 W article-no.: 200 02000 0000	• Temperature up to 40 C° Temperature up to 90 C° UVA-light Bio Vital	 Bio Vital lamp 39 W article-no.: 200 01900 0000	• Temperature up to 40 C° Temperature up to 90 C° UVA-light Bio Vital
--	--	--	--

Hints regarding PURION UV-lamps

PURION low pressure UV Lamps are working without generating OZONE. They emit UV C radiation at a wavelength of 254 nm. At this wavelength UV radiation is most effective against bacterias, viruses and spores.

A special coating on the inside of the lamp tube guarantees stable UV C radiation. The lamp's glass serves as a filter for UV radiation < 240 nm.

At the end of the guaranteed life time PURION UV Lamps emit at least 60% of the initial UV C radiation intensity.

advantages

- germs and bacterias cannot become resistant to UV C radiation,
- PURION UV Lamps do not generate OZONE,
- disinfection by means of PURION UV Lamps implies low costs compared to chemical methods.

For the optimal operation of PURION UV lamps the correct handling and maintenance is essential. The following rules should be considered:

- It is unfavorable for the life span if the PURION UV lamp is switched very often. Every switch on reduces the life time approx. 1/2 h - 1 h.
Therefore: please only switch of the PURION UV-lamps if the expected interruption of operation is at least 30 minutes.
- The PURION UV-lamps should not be touched with fingers at the quartz made tube.
Sweat of the hand is very aggressive against quartz and causes re-crystallization (cloudiness).
If a PURION UV-lamp has been touched it is necessary to clean it with the PURION Service Kit.

Considering of this points ensures that the UV lamp reaches it's maximum life time.

The guaranteed life time of operation is valid in case of not exceeding 6 switching operations of the UV lamp per day (in average). To keep the warranty valid the PURION UV Lamps needs to be operated with PURION electronic ballasts.

Caution

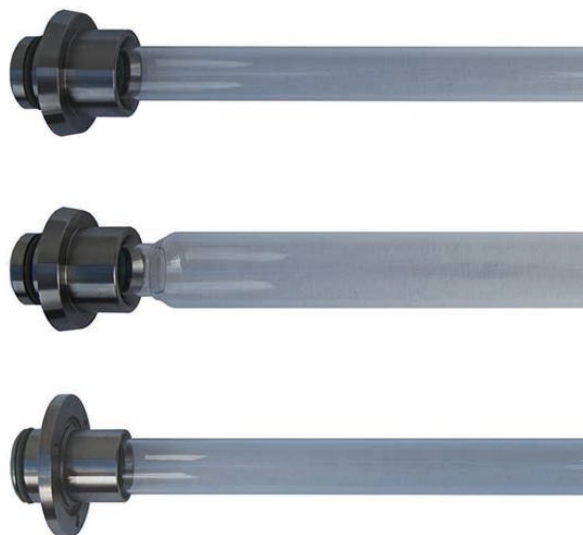
During operation of PURION UV-lamps regulation and official guidelines have to be considered!

UV radiation is dangerous for human skin and eyes! Eyes and skin have to be appropriately protected. The user will be responsible for his own safety, as well as for the safety of people who are staying in areas where these radiation is used!

Please bear in mind that materials which are not UVC resistant may be damaged!

PURION immersion tube systems for reactors

The PURION immersion tube systems for reactors consists of a head made from stainless steel and a special quartz glass that allows for transmittance of UVC light. Optionally configurations as PRO systems or with Splinter Protection are available.



PURION Immersion tube systems for reactors made from stainless steel



Immersion tube system length 229 mm
article-no.: 104 00201 0000

reactor	standard	PRO
•		



Immersion tube system length 312 mm
article-no.: 105 00201 0000
article-no.: 105 00203 0000

reactor	standard	PRO
•	•	
•		•



Immersion tube system length 412 mm
article-no.: 110 00201 0000
article-no.: 110 00203 0000

reactor	standard	PRO
•	•	
•		•



Immersion tube system length 570 mm
article-no.: 120 00201 0000

reactor	standard	PRO
•		



Immersion tube system length 920 mm
article-no.: 130 00201 0000
article-no.: 130 00202 0000

reactor	standard	PRO
•	•	
•		•

PURION Immersion tube systems for reactors made from PVC-U



Immersion tube system length 412 mm
article-no.: 110 00202 0000

reactor	standard	PRO
•		



Immersion tube system length 570 mm
article-no.: 120 00202 0000

reactor	standard	PRO
•		

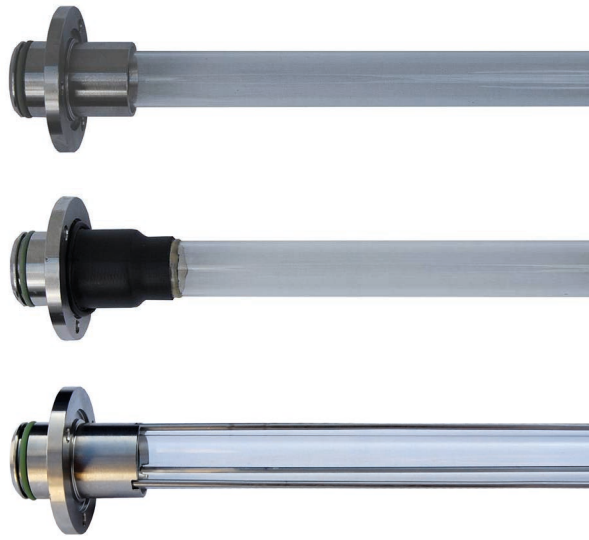


Immersion tube system length 920 mm
article-no.: 130 00204 0000

reactor	standard	PRO
•		

PURION immersion tube systems for UV-Sets

The PURION immersion tube systems for UV-Sets consists of a head made from stainless steel and a special quartz glass that allows for transmittance of UVC light. Optionally configurations with Safety Basket or with Splinter Protection are available.



PURION Immersion tube systems for UV-Sets without Splinter Protection



Immersion tube system length 229 mm
article-no.: 104 00203 0000

- | | | |
|--------|---------------------|---------------|
| UV-Set | Splinter Protection | Safety Basket |
| • | | |



Immersion tube system length 312 mm
article-no.: 105 00202 0000

- | | | |
|--------|---------------------|---------------|
| UV-Set | Splinter Protection | Safety Basket |
| • | | |



Immersion tube system length 412 mm
article-no.: 110 00202 0000

- | | | |
|--------|---------------------|---------------|
| UV-Set | Splinter Protection | Safety Basket |
| • | | |



Immersion tube system length 570 mm
article-no.: 120 00202 0000

- | | | |
|--------|---------------------|---------------|
| UV-Set | Splinter Protection | Safety Basket |
| • | | |



Immersion tube system length 920 mm
article-no.: 130 00204 0000

- | | | |
|--------|---------------------|---------------|
| UV-Set | Splinter Protection | Safety Basket |
| • | | |

PURION Immersion tube systems for UV-Sets with Splinter Protection



Immersion tube systems length 229 mm
article-no.: 104 00204 0000

- | | | |
|--------|---------------------|---------------|
| UV-Set | Splinter Protection | Safety Basket |
| • | • | |



Immersion tube system length 312 mm
article-no.: 105 00204 0000

- | | | |
|--------|---------------------|---------------|
| UV-Set | Splinter Protection | Safety Basket |
| • | • | |



Immersion tube system length 412 mm
article-no.: 110 00205 0000

- | | | |
|--------|---------------------|---------------|
| UV-Set | Splinter Protection | Safety Basket |
| • | • | |



Immersion tube system length 570 mm
article-no.: 120 00204 0000

- | | | |
|--------|---------------------|---------------|
| UV-Set | Splinter Protection | Safety Basket |
| • | • | |



Immersion tube system length 920 mm
article-no.: 130 00206 0000

- | | | |
|--------|---------------------|---------------|
| UV-Set | Splinter Protection | Safety Basket |
| • | • | |

PURION Immersion tube systems for UV-Sets with Safety Basket



Immersion tube system length 920 mm
article-no.: 130 00209 0000

- | | | |
|--------|---------------------|---------------|
| UV-Set | Splinter Protection | Safety Basket |
| • | | • |



PURION UV lamp cables

PURION UV lamp cable 1,50 m
article-no.: 250 01500 0000



PURION UV lamp cable 3 m
article-no.: 250 02800 0000



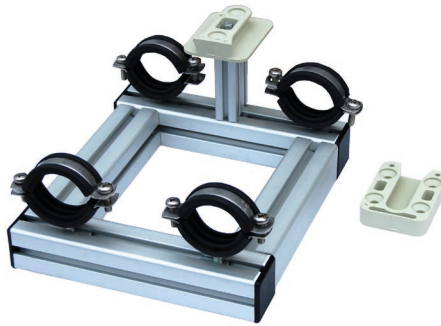
PURION UV lamp cable 5 m
article-no.: 250 04300 0000



PURION UV lamp cable 10 m
article-no.: 250 09600 0000



PURION assembly systems



PURION assembly systems allow for a convenient installation of the PURION UV-lamps. Several configurations are available for different applications.

PURION assembly system



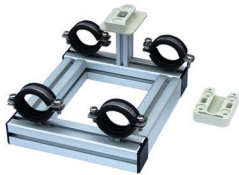
PURION assembly system
Single 1
article-no.: 290 11000 0000
article-no.: 290 10900 0000

- | | |
|---|--------------------------------|
| • | stainless steel |
| • | galvanized |
| • | assembly system for switch box |
| • | assembly system for Reactor |



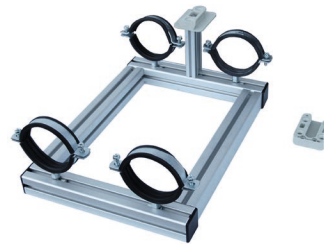
PURION assembly system
Single 2
article-no.: 290 11200 0000
article-no.: 290 11100 0000

- | | |
|---|--------------------------------|
| • | stainless steel |
| • | galvanized |
| • | assembly system for switch box |
| • | assembly system for Reactor |



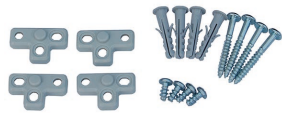
PURION assembly system
Dual 1
article-no.: 290 11400 0000
article-no.: 290 11300 0000

- | | |
|---|--------------------------------|
| • | stainless steel |
| • | galvanized |
| • | assembly system for switch box |
| • | assembly system for Reactor |



PURION assembly system
Dual 2
article-no.: 290 11600 0000
article-no.: 290 11500 0000

- | | |
|---|--------------------------------|
| • | stainless steel |
| • | galvanized |
| • | assembly system for switch box |
| • | assembly system for Reactor |



PURION assembly system switch box
article-no.: 290 12100 0000

- | | |
|---|--------------------------------|
| • | assembly system for switch box |
| • | assembly system for Reactor |

AIRPURION assembly system



AIRPURION wire suspension
article-no.: 160 00011 0000

- | | |
|---|---|
| • | ceiling suspension with variable height |
| • | direct ceiling suspension |



AIRPURION mounting rack
article-no.: 160 00040 0000

- | | |
|---|---|
| • | ceiling suspension with variable height |
| • | direct ceiling suspension |

filters

for treatment of water



Combination of filters to supplement the PURION UV plants enable the complete recycling of the water combined with a compact construction design and efficient energy consumption. The replacement of the filter cartridges is to be reviewed at least on annual basis. On request the different filters will be provided pre assembled.

advantages	product line	filter as additional equipment for PURION UV-plants
compact design	height	335 mm
robust construction	diameter	135 mm
low energy consumption	configuration	pre filter 60 µm fine filter 20 µm activated carbon filter de-ironing filter softener
easy replacement of cartridges	connection	1" inside thread
low investment costs	working pressure	8 bar max.
low operational costs	temperature	0 - 50 C°



filter housing 10" x 2,5"
article-no.: 410 01400 0001

filter housing
cartridge

The PURION UV plant needs to be installed behind the last filter the water flows through. Herewith disinfection of the water close to the sampling point is ensured.



cartridge 60 µm
article-no.: 410 00800 0000

filter housing
cartridge



cartridge 20 µm
article-no.: 410 00900 0000

filter housing
cartridge



cartridge activated carbon
article-no.: 410 01000 0000

filter housing
cartridge



cartridge de-ironing
article-no.: 410 04000 0000

filter housing
cartridge



cartridge softener
article-no.: 410 03900 0000

filter housing
cartridge

filter

for treatment of water



Combination of filters to supplement the PURION UV plants enable the complete recycling of the water combined with a compact construction design and efficient energy consumption. The replacement of the filter cartridges is to be reviewed at least on annual basis. On request the different filters will be provided pre assembled.

advantages	product line filter as additional equipment for PURION UV-plants	
compact design	height	335 mm
robust construction	diameter	180 mm
low energy consumption	configuration	pre filter 60 µm fine filter 20 µm activated carbon filter
easy replacement of cartridges	connection	1" inside thread
low investment costs	working pressure	8 bar max.
low operational costs	temperature	0 - 50 C°



Filter housing 10" x 4,5"
article-no.: 410 05000 0000

filter housing
Cartridge
•

The PURION UV plant needs to be installed behind the last filter the water flows through. Herewith disinfection of the water close to the sampling point is ensured.



cartridge 60 µm
article-no.: 410 05100 0000

filter housing
cartridge
•



cartridge 20 µm
article-no.: 410 05200 0000

filter housing
cartridge
•



cartridge activated carbon
article-no.: 410 05300 0000

filter housing
cartridge
•

maintenance support / others

PURION UV-safety goggles
article-no.: 292 00700 0000



UVC-light is dangerous for the human eye. The PURION safety goggles effectively protect the eyes against the UVC radiation. The visible part of the light is not retained.

Especially during operation of the PURION UV Sets or the AIR-PURION product line it is important to protect the eyes.

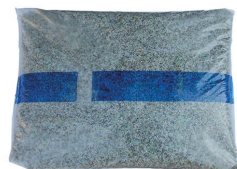
PURION Service KIT
article-no.: 292 00900 0000



The PURION Service KIT enables a reliable and convenient cleaning of the immersion tube system. Cleaning should be carried out latest when the UV lamp is replaced at the end of the lifetime or if operation conditions require it.

The special cleaning tissues made from 100% cotton guarantee that the sensitive quartz glass is not damaged by scratches during the cleaning procedure.

The cleaning solution ensures that after the cleaning no residues of soap can lead to foam formation. Therefore the PURION Service KIT is suitable to drinking water applications.



PURION Quartz-granulate
article-no.: 292 02300 0000
article-no.: 292 02400 0000

• fine grain
• rough grain

The PURION filter granulates made from special quartz is applied within the PURION Pool plants.

The Quartz-granulate is available with rough grain and fine grain. Therefore sediments are removed very efficiently from the circulation water before the UV based disinfection is carried out.

The Quartz-granulate can be flushed out from filtrated sediments very easy during backwash procedure.

Company

with TRADITION & INNOVATION



The PURION® GmbH is a European company with a global focus. Our future-oriented and ecologically friendly methods help to improve a worth living environment.

PURION® GmbH is member of the BMBF-program „Twenty20 - Partnership for Innovation“, „Research Regarding UV-LED-Light for Innovative Applications within Health Care, Water Treatment, Production Technology and Sensor Technology“. Highly reputable German research institutions are co-operation partners within this program.

PURION® GmbH is partner of the cooperation's network HySic – Hygienic Safety. The aim is to develop and to realize solutions for the improvement of the hygienic safety in different important applications.



To ensure compliance with high quality standards production and management processes of PURION GmbH are established in line with the certified standard management system DIN EN ISO 9001:2015. The certification is renewed annually.



PURION GmbH

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I. General terms of the contract

The Customer has notice of the following general conditions for sales and supplies. The Customer agrees with the fact that following general conditions are essential elements of contracts concluded between the Customer and the Supplier.

II. Scope of supplies and services

1. The scope of any supplies or services effected hereunder shall be governed by the written statements supplied by the two parties. If a contract is concluded and the parties have failed to make any such statements, then either the Supplier's or the Service Provider's (hereinafter referred to as »Supplier«) written order confirmation, or, failing such, the written order from the Customer shall be binding.
2. For all supplies or services, the provisions stipulated by the Verband Deutscher Elektrotechniker (= Association of German Electro-technical Engineers) shall be applied as far as they are relevant for the safety of the supplies and services. Variations are allowed if the same safety standard is ensured by other means.
3. The Supplier reserves the unrestricted right of ownership and the copyrights to all quotations, drawings, and other documentation; they shall be made available to third parties only if prior written approval from the Supplier has been obtained.
4. The scope of the delivery shall be as indicated in the written order confirmation from the Supplier. If such confirmation is not available, the delivery note shall be considered the order confirmation.
5. Any verbal collateral agreement shall be effective only if confirmed in writing.

III. Price

The prices are understood net, plus V.A.T. as provided by law. They are valid ex works, exclusive of packaging, freight charges, postage, insurance, and other additional expenses. Samples or similar preparatory work occasioned by the Customer will be charged for even if the contract is not awarded.

IV. Reservation of title

The goods remain the property of the Supplier until all claims he may have vis-a-vis the Customer as a result of the said business transaction are satisfied. Prior to this, any pledging or transfer of ownership by way of security is not allowed, and reselling is only permitted for resellers in the normal course of business under the proviso that the reseller receives payment from his customer. Any costs incurred in connection with interventions shall be borne by the Customer.

V. Terms of payment

1. The payments shall be effected free place of payment of the Supplier.
2. The Customer may effect set-offs only against undisputed or legally established debts.
3. In case of non-observance of payment terms, or if reasonable doubts in respect of the credit-worthiness of the Customer exist, the Supplier has the right to request advance payments and other payments for all outstanding accounts and even for those accounts that are not yet due, have any unpaid deliveries returned at the Customer's expenses, or withdraw from the contract without notice.

VI. Time allowed for deliveries and services

1. Delivery times/deadlines shall only be binding if expressly approved by the Supplier in writing. Compliance with the deadlines can only be assured if the Customer has fulfilled all of its contractual obligations and/or has effected any agreed advance payments and/or has met any other duty he may have in respect of prior performance or cooperation. Another prerequisite for observance of the deadlines is the correct and on-time delivery by the suppliers of the Supplier as far as the Supplier has selected them with due care and in a business-like manner.
2. The deadline is considered met if the ready-for-use consignment was dispatched or collected within the time specified for delivery or performance. In case of delayed delivery due to Customer's fault, the deadline is considered met if the information of readiness for dispatch was given within the agreed period of time.
3. If proof can be furnished that non-observance of the deadline for the deliveries and services happened because of mobilization, war, riot, strike, acts of the authorities, or occurrence of unpredictable circumstances, the time shall be reasonably extended.
4. The same holds if Sub-Contractors are affected by these circumstances.
5. If the Supplier is in default, and if an additional period of time granted by the Customer has lapsed without any response on the part of the Supplier, the Customer has the right to withdraw from contract. Damages for non-performance cannot be claimed unless the default occurred as a result of the Suppliers' wrongful intent or gross negligence.
6. In case dispatch or delivery of the goods are delayed on request of the Customer, then, beginning one month after the date of advice of readiness for shipment, a storage fee amounting to ½ % of the invoice amount can be charged to the Customer for any commenced month; such storage fee, however, shall be limited to 5% unless proof of higher costs is furnished.
7. In case of orders for goods to be delivered on demand, the call time for the overall order shall be one year from the date of confirmation by the Supplier. The Customer agrees to inform about his forthcoming request not later than four production weeks in advance. If the Customer fails to demand the full quantity until expiration of the time specified, the Supplier may, after prior notice, opt for performance or withdraw from the contract. Claims for damages, if any, shall not be affected.

VII. Passing of the risk

1. Upon delivery of the goods to the carrier company, the risk will pass to the Customer, even if delivery on carriage paid basis or self-collection had been agreed upon, or the ready-for-use consignment was dispatched or collected.
2. In the absence of other agreements, the Supplier is free to choose the kind of packaging, the routing, and the mode of dispatch. The costs for packaging shall be borne by the Customer.
3. The packaging will be effected with best care, the dispatch will be effected to the Supplier's best discretion. At the Customer's request and expenses, the Supplier will insure the consignment against damage by breakage, transport damage, and fire damage.
4. In case the dispatch or delivery of the goods is delayed on request of the Customer or for reasons lying with him, then the risk shall pass on to him for the time of the delay. The Supplier, however, undertakes to effect the insurances required by the Customer at the Customer's request and expenses.

VIII. Acceptance

1. Delivered items have to be accepted by the Customer, even if those items show minor shortcomings.
2. Partial deliveries are allowed.

IX. Liability for defects

For any defects, including the absence of warranted qualities, the Supplier shall be liable as follows:

1. All parts or services which - within a period of 24 months from the date of the passing of the risk, irrespective of their operating time - become unuseable as a consequence of any circumstances that have existed already prior to the time of the passing of the risk, i.e. in particular, due to defective design, faulty material, or faulty workmanship, or whose useability is considerably impaired, shall, at the Supplier's option and at no cost, either be repaired or replaced by new items or be provided again.
Any such defects found shall be promptly notified to the Supplier in writing; the goods shall be sent to the Supplier for examination.
2. The Customer affords the Supplier the opportunity and grants it such reasonable period of time as necessary to remedy the defects. If he fails to do so, the Supplier shall be exempt from the liability for defects.
3. In case the Supplier fails to remedy the defect within the additional period of time granted to him, the Customer may require the contract to be cancelled (exchange) or request reduction of the price (diminution).
4. The Customer agrees to fulfill all his contractual obligations, i.e. in particular regarding the agreed Terms of Payment. In case a notification of defects is put forward, then payments from the Customer may be withheld to an amount reasonably proportionate to the defects found
5. The liability for defects does not include normal wear as well as any defects developing after the passing of the risk as a result of faulty or negligent handling, due to non-observance of specifications issued by the Supplier, excessive use, unsuitable production equipment, and such influences of a chemical, electrochemical or electrical nature which are not expressly provided for in the contract; not included are also defects attributable to the use of material supplied by the Customer.
6. Any changes or repairs performed in an improper manner by the Customer or third parties without the prior consent from the Supplier will void any liability for the consequences resulting from this.
7. The warranty period shall be 3 months for remedied items, and six months for replacement deliveries. It runs, at least, until the end of the original warranty period for the delivered item. The duration of the warranty period for defects shall be extended by the duration of the downtime necessary for such remedying, replacement deliveries or services.
8. The provisions regarding warranty periods under 1. and 7. shall not apply as far as longer periods are provided for by law.
9. Any further claims of the Customer vis-a-vis the Supplier and the Supplier's agents shall be excluded, in particular claims because of damages not to the delivery item proper. This shall not apply as far as either liability to the Product Liability Act, e.g. for personal injuries and damages to objects of private use, or compulsory liability in cases of wrongful intent, gross negligence, or absence of warranted qualities, is invoked.
10. The Articles 1. through 9. shall also apply to any right to claim corrective work, replacement delivery or damages the Customer may have as a result of advice or consultation provided under the contract, or due to breach of additional contractual obligations.

X. Impossibility of performance, adjustment of contract

If it should be impossible for the Supplier or the Customer to effect the agreed supplies or services, then the general legal principles shall apply as follows:

The Customer is authorized to claim damages from the Supplier in case of premeditation or gross negligence. Such damages, however, shall be limited to 10% of the value of that part of the delivery or service which cannot be put into operation as desired due to the said impossibility. Any claims for damages on the part of the Customer exceeding the said limit of 10% are excluded. This shall not apply if compulsory liability is invoked, e.g. in instances of wrongful intent or gross negligence. Nothing hereunder shall affect the Customer's right to withdraw from the contract.

Inasmuch as unforeseen circumstances to Article V, clause 3, para. 1, effect a considerable change in the economic significance or the contents of the delivery or service, or exert a major influence on the Supplier's operations, the contract shall be reasonably adapted in accordance with the requirements of good faith. As far as this proves to be in conflict with economic interests, the Supplier has the right to withdraw from the contract. If he opts to exercise this right, he shall, after he became aware of the consequences resulting from said circumstances, inform the Customer accordingly even if extension of delivery time had been agreed upon with the Customer.

XI. Other claims for damages

Claims for damages on the part of the Customer resulting from breach of contract, breach of obligations during the contract negotiations, or tort, are excluded. This shall not apply inasmuch as either liability according to the Product Liability Act, e.g. for personal injuries and damage to goods of private use, or compulsory liability for cases of wrongful intent and gross negligence, is invoked. The same limitation of liability shall also be valid for the Customer.

XII. Place of jurisdiction

1. If the Customer is a fully qualified merchant, the Supplier is free to decide if either the place of the Supplier's head office or the place of the Supplier's branch office shall be the exclusive place of jurisdiction for all direct or indirect disputes arising from the contractual relationship.
2. The contractual relationship shall be governed exclusively by German law, without any recourse to the UN Right of Purchase (CISG).

XIII. Validity of the contract

If any provision of the contract is held to be ineffective, this shall not affect and impair the validity of the other provisions. The foregoing shall not apply if adherence to the contract would constitute an unreasonable hardship for one of the parties.

WARRANTY

for PURION UV-lamps

The PURION® GmbH grants for low pressure UV lamps the following warranty:

- Basis of the decision on a warranty or replacement is the evaluation in our PURION labs. Therefore complaints need to be sent to PURION® GmbH.
- The warranty is granted for 10.000 hours of operation for PURION UV low pressure lamps and 8.000 hours for PURION UV Amalgam lamps up to maximum 2 years from the date of delivery.
- Up to 1.000 hours of operation the lamps will be fully replaced.
- Up to 10.000 hours of operation the replacement and financial compensation will be proportional referring to the operating time.
- For PURION Amalgam lamps the proportional compensation refers to the operation time of 8.000 hours.
- To keep the warranty valid the number of switching operation must not exceed an average of 5-6 per day.
- Operating time and switching operations needs to be proved with suitable measures.
- To keep the warranty valid the PURION UV lamps needs to be operated with PURION electronic ballasts.
- Breakage of glass will not be compensated.

These conditions are valid, when no other special agreement is stated. Special agreements must put down in writing.