

PURION weld-in UV Set 90 W for installation

...is characterised by an extraordinarily high disinfection performance with compact design and low energy consumption. It is designed in accordance with applicable laws, standards and guidelines.



picture: PURION weld in UV-Set 90 W & optionally with splinter protection

This UV set consists of a quartz protection tube sealed at one end and mounted at the other end in a stainless steel immersion tube head, a UV lamp, the control box with electronic ballast and the connecting cables. connecting cables.

The immersion pipe head sits sealingly in the DN 40 threaded connection piece supplied. The threaded connection piece can be welded onto a curved tank surface without any problems. The DN 40 groove nut, which is also supplied, fixes and secures the system. The function of the UV lamp, which is mounted in the quartz protection tube, can be checked through the transparent cap on the immersion tube head. A control lamp signals e.g. lamp failure or cable break. A potential-free contact linked to it can be used for external signalling, or for switching operations.

As an option, the PURION weld in UV-Set can be equipped with splinter protection.

The UV lamps used are characterised by a long service life, high disinfection performance and low energy consumption. The compact design allows easy lamp removal without tools and lamp replacement, for example at the end of the lamp's service life. For cleaning purposes, the quartz immersion tube can be easily dismantled or mounted.

manufacturer	PURION® GmbH
type	PURION weld-in UV Set 90 W
throughput and disinfection performance	depending on the medium and geometric structure of the container
irradiation length	730 mm
dimensions	
lower edge of immersion tube head to end of quartz tube	920 mm
diameter quartz tube	Ø 23 mm
seal	VITON / FPM
weight	2,5 Kg
UV lamps service life	10.000 h
monitoring (optional)	Operating Time Counter (OTC)
number of radiators	1
temperature max.	40°C
max. operating pressure	10 bar
enclosure protection	IP 65
electrical connection	110-240 V 50/60 Hz
power	90 W
fuse protection	10 A

This UV-Set is used for:

tank disinfection	•
conveyor band disinfection	•
surface disinfection	•

Advantages

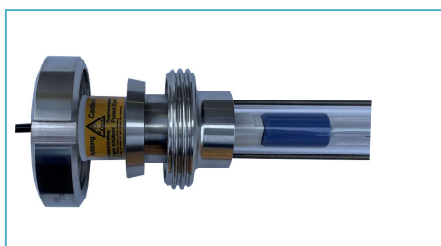
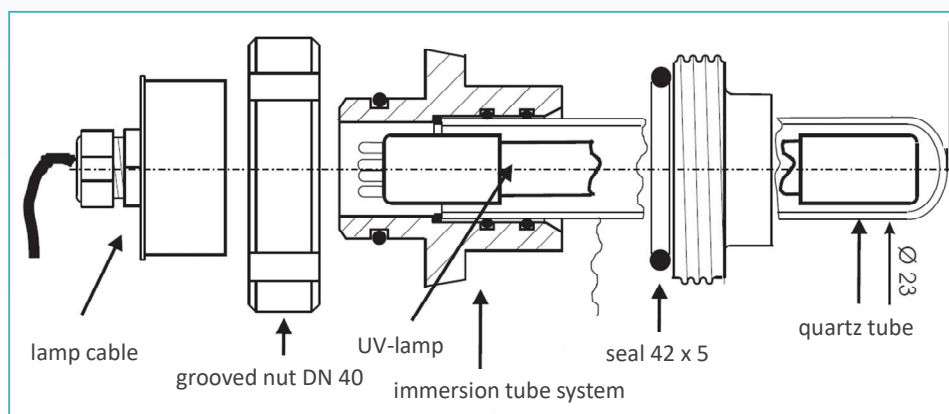
- No chemical input into the medium to be disinfected
- No odour and taste impairment
- Can be used with different container geometries
- Lamps & immersion tubes can be changed without tools
- Low operating costs

Attention!

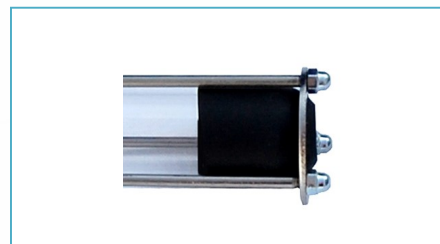
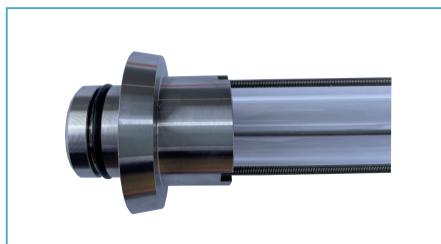
UV radiation is dangerous for skin and eyes! Eyes and skin must be protected accordingly. The user is responsible for his own safety & the safety of persons in the vicinity where these lamps are used. Please note that materials that are not stable to UVC can be damaged.

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Installation principle



Detail Safety Basket



Installation example

