

Description

Series TE/TA

Main Applications

Immersion lamp to prevent bacteria growth in water tanks, for the headroom disinfection of tanks and the disinfection of surfaces.

Operation in warm and cold water and also in air.

- Fish farming
- Cosmetic industry
- Pharmaceutical industry
- Electronic industry
- Food processing industry

Water temperature recommended range
 possible range

5 - 35 °C
0 - 60 °C

Technical Description

- UV-immersion lamp module with high intensity UV lamp (LoHi)
- Different module-lengths available, each with radial radiation geometry
- Easily replaceable UV lamp and separate electrical cabinet
- Stainless Steel protection cage, prepared for flange connection

UV LAMP MODULE Sleeve for lamp protection: pure quartz jacket
 Stainless Steel header with protection cage for the lamp sleeve
 (not for TA 25143)

TA 25143: no flange, e.g. for applications afloat or in water

UV Lamp Cylindrical WEDECO Spektrotherm®-UV-lamp:
 mercury low pressure lamp with indium-dotation, high UV-C output

CONTROL BOX Material: Polystyrol

Design ready for connection
 Connection cable UV reactor / electrical cabinet: 5 m
 Supply voltage: 230 V / 50 Hz
 Ambient temperature: max. 35 °C

Components Power switch
 Magnetic ballast
 ignition system
 LED indicators: *operation, failure*
 LC display: *operation hours*

Terminals Volt-free contacts: *operation, failure*

Description	Series TE/TA		
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Model	TE 450	TE 900	TA 25143
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UV Lamp Module			
Material header	Stainless steel		PVC
Lamp mounting	Prepared for the connection with loose flange		afloat or in water
Immersion length (mm) approx.	470	920	1,700
Weight (kg) approx.	1.2	1.6	5
Operating pressure (bar) max. m water column	2 20		
Protection class	IP 68		

UV Lamp			
Lamp type	SLR 2536	SLR 2581 V	SLR 25143 V
Lamp power (W)	80	135	290
UV-C output / 254 nm (W)	24	46	95
Quantity	1		
Lamp life (h)	8,000	8,760	8,760

Electrical Cabinet			
Width (mm)	280		
Height (mm)	230		
Depth (mm)	150		
Weight (kg) approx.	7		
Voltage (V / Hz)	230 / 50		
Power consumption (W / VA)	90 / 480	170 / 500	320 / 780
Protection class	IP 54		
Mains terminals	L/N/PE		