

Industry: Tank liquid storage

UVpro TS 40

Air disinfection from storage tanks



UV-C immersion radiator device for storage tanks

UVpro TS 40 immersion radiator devices are ideal for disinfection of water tanks, among others in humidifiers, air washers and cooling towers. It's also suitable for complete immersion due to its IP68 protection.

By positioning directly in the reservoir not only the process water is disinfected effectively, but also prevents the formation of biofilms in the tank and on exposed surfaces.

GENERAL INFORMATION

UVpro TS is suitable for any kind of water storage tanks, return tanks, cooling towers, humidifiers, reservoirs etc., since it can be easily installed directly in the tank. The device is made from high quality materials and the electronics are encasulated in an IP68 stainless steel frame. It can be completely submerged in water up to a depth of 10m, corresponding to 1 bar external pressure.

UVpro TS is available in different power ratings and cable length can be customizable, and it's also suitable for coating plants without silicone components with test certificate of the Fraunhofer Institute. A 24V version is available. The monitoring is possible by adding CU-1 module or UVC line module.

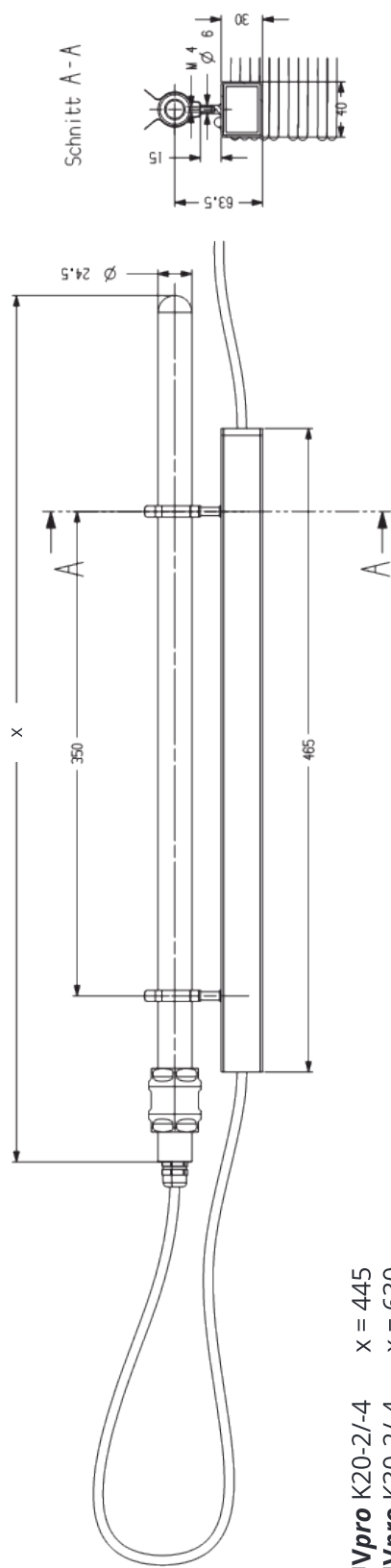


TECHNICAL SPECIFICATIONS

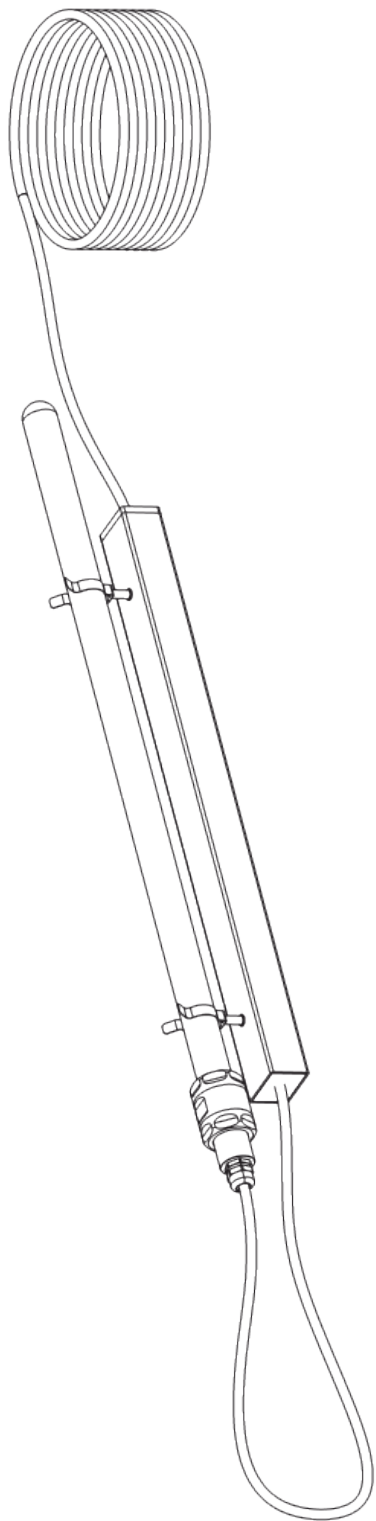
Model	UVpro TS 40		
In conformity with requirements	EMV, CE, IP68		
Material	Stainless steel: WN 1.4301 and WN		
Operating temperature (°C)	+2...+40		
Suitable UVpro lamp	UVpro K20-2/-4	UVpro K30-2/-4	UVpro K36-2 / K40-4
Input power (W)	21	31	41
Current flow (mA)	110	145	195
Total UVC output (W253,7 nm)	7	11	16
Lamp intensity at 1 m (μW/cm2)	65	95	150
Tube length from screw joint (mm)	371	556	814
Weight (Kg)	3.0	3.05	3.13
Screw joint, wrench size (mm)	34		
Lamp lifetime (h)	12 000 (75% ±5 % output performance)		
Electronics life expectancy	>10 years		
Supply voltage (VAC)	220...240 (50...60Hz)		
Cable length (m)	10 (customizable length)		

Technical changes reserved

TECHNICAL DRAWING



UVpro K20-2/-4	x = 445
UVpro K30-2/-4	x = 630
UVpro K36-2	x = 890
UVpro K40-4	x = 890



ADVANTAGES

- Waterproof - IP68 protection
- Disinfection without residues and without chemicals
- Easy instalation
- Teflon protection for lamp and quartz assembly against glass fragments scattering

BENEFITS

- Preserve a sterile environment for the liquids from the storage tank
- Eliminate the posibility of biofilm formation on storage tank walls
- Permanent disinfection of the air and surfaces above the liquid

