

LifeUV® SP-II, SPSR-II Low Pressure UV systems

- Drinking water • Process water • Pool water • Ballast water • Cooling water • Waste water



EFFECTS

- Water quality enhancement
- Reduction in consumption of chemicals
- Deactivation and removal of bacteria, viruses and other pathogens and algae
- No side effects
- UV cannot be overdosed

APPLICATIONS

- Disinfection
- Algae removal
- Reduction of chlorination by-products
- Reduction of combined chlorine
- Dissolved ozone removal
- Ultraviolet oxidation

PRODUCT HIGHLIGHTS

- Robust quality for reliability and long service life
- Powered by electronic ballast
- Display with count-down of recommended UV lamp exchange period
- Forthcoming end of exchange period announced by sound signal
- UV intensity and/or water temperature measurement as options
- Easy installation and maintenance

LIFEFOX® - ADVANCED Oxidation technology

The above effects of the high energy poly-chromatic UV radiation can be greatly enhanced by its combination with ozonation or hydrogen peroxide dosing, i.e. by an approach known as Advanced Oxidation or Ultraviolet Oxidation. LIFETECH supplies its LifeOX® technology based on optimized synergic action of ozone and UV radiation.

SPECIFICATION

Material:	UV chamber of 316L stainless steel (1.4404) with polished inner surface, power source in aluminum case, quartz sleeve, Viton
Maximum pressure:	7 bar
Minimum water flow:	0.8 m ³ /h
Water temperature:	max. 40°C
Supply voltage:	230V/50Hz
Degree of protection:	IP62 (SP-II models); IP20 (SPSR-II models)
Activity indication:	LED-diodes, one per each lamp switchover relay 1A/250VAC max. (OPERATION, ALARM; optional for SPSR-II models)
Operating clock:	YES
UV sensor	optional
Temperature sensor:	optional
Wiper:	manual or automatic optional for SPSR-II models
Lamp life expectancy:	up to 13 000 running hours in continuous operation Lamp exchange after 365 days in operation recommended

Model	Lamp no.	Lamp output	Maximal flow			Connections
			Drinking water ¹⁾	Pool water ²⁾	public pool ³⁾	
LifeUJVL0148SP-II	1	48W	9.5m ³ /h	13m ³ /h	1.8m ³ /h	2" nipple or d63 PVC screw-coupling coupling
LifeUJVL0187SP-II	1	87W	18m ³ /h	24m ³ /h	3.3m ³ /h	
LifeUJVL0287SPSR-II	2	174W	30m ³ /h	40m ³ /h	5.5m ³ /h	
LifeUJVL0387SPSR-II	3	261W	39m ³ /h	52m ³ /h	7.1m ³ /h	
LifeUJVL0487SPSR-II	4	348W	48m ³ /h	64m ³ /h	8.7m ³ /h	

1) UV dose 40mJ/cm² @ T10=95%; 2) UV dose 30mJ/cm² @ T10=95%; 3) UV dose 35mJ/cm² @ T10=65%.

For details and pricing, please contact the manufacturer

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