

UV STERILIZATION DEVICES

PRINCIPLE OF FUNCTIONING

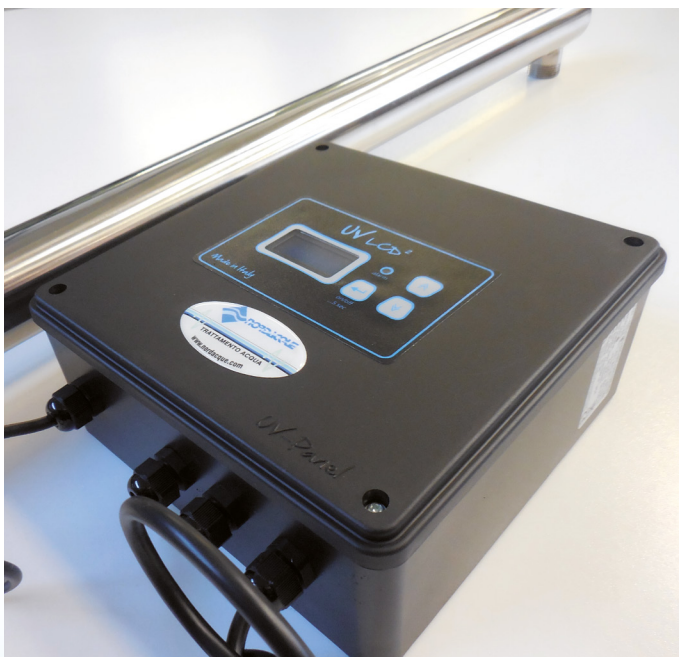
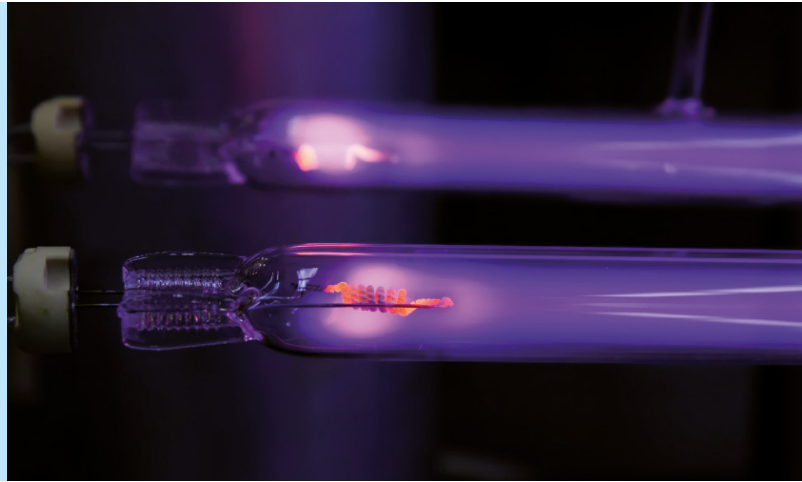
The sterilization process is based on a UVA ray lamp that removes bacteria and all micro-organism with DNA from water.

UVA RAYS

UVA rays produced by sterilizers have a wavelength between 10 and 400 nm.

They can penetrate gas and liquids, removing all bacteria.

Thanks to its 30,000 Ws/cm² radiation, UVA sterilizers remove all bacteria in water (up to 99 per cent).



APPLICABILITY

- Domestic use (single-lamp sterilizers)
- Industrial use (multi-lamp sterilizers)
- Food and beverage industry
- Chemical laboratories
- Wells

ADVANTAGES

- No alteration of water chemical composition and organoleptic features
- No chemicals added
- Immediate action without storage
- Low maintenance cost

CHARACTERISTICS

- Bright stainless steel body
- Electric panel
- Warning light
- Every device can be connected to a blocking electrovalve



TECHNICAL DATA UV STERILIZERS

Body:	bright stainless AISI 304	Power supply:	220V - 50Hz
Lamp case:	quartz	Irradiation:	> 30mj/cm ²
Maximum pressure:	9 Bar	UV lamp lifetime:	9000 hours
Temperatures:	2 - 40° C	Protection level:	IP 55

TECNICAL FEATURES UV STERILIZERS (single-lamp devices)

MODEL	Head max lt/h	Bindings	Lamps	Electric consumption (Watt)	Sizes (cm)	
					Ø	H
SL 1-12	300	1/8"	1/12 W	12	50	240
SL 1-16	600	1/2"	1/16 W	16	50	440
SL 1-30	1.150	3/4"	1/30 W	30	50	570
SL 1-40	2.700	1"	1/40 W	40	50	970
SL 1-60	3.400	1"	1/60 W	40	80	970
SL 2-40	4.500	1"	2/40 W	80	50	970

TECNICAL FEATURES UV STERILIZERS (multi-lamp devices)

MODEL	Head max lt/h	Bindings	Lamps	Electric consumption (Watt)	Sizes (cm)	
					Ø	H
ML 2-40	6.000	1 ½"	2/40 W	80	11,5	98
ML 3-40	8.000	1 ½"	3/40 W	120	11,5	98
ML 4-40	14.000	2"	4/40 W	160	15,4	98
ML 5-40	20.000	2 ½"	5/40 W	240	30	100
ML 4-80-R	30.000	3"	4/80 W	320	30	100
ML 5-80-R	40.000	3"	5/80 W	400	40	100
ML 6-80-R	65.000	3"	6/80 W	480	40	100
ML 8-80-R	80.000	DN 100	8/80 W	640	48	100
ML 10-80-R	135.000	DN 150	10/80 W	800	52	100