



SATEPA UV Sterilizer UVAM45 4x150W

Reference: UVAM45

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SATEPA UVAM45 UV Sterilizer is a high-efficiency water disinfection system, designed to treat flow rates of up to 45 m³/h (220 GPM) guaranteeing an initial dose of 300 J/m². It uses four 150 W UV lamps each, with a lifespan of 14,000 hours, to ensure constant and reliable disinfection over time.

Hydraulic and construction characteristics

The SATEPA UVAM45 UV Sterilizer is made of AISI 304 EN 1.4301 stainless steel, with the possibility of an optional version in AISI 316 EN 1.4401 for more demanding applications. It is configured in a "Z-chamber" format, with a vertical working position, a 2 1/2" male threaded connection and a 1/2" male exhaust, and supports a maximum operating pressure of 9 bar. The device measures 935 mm in height with a diameter of 168 mm, making it compact and suitable for installation in civil and industrial systems.

Electronic control system

The SATEPA UVAM45 UV Sterilizer is managed by a UV3 digital electronic control unit, with dimensions of 400 x 400 x 200 mm (W x H x D). The control unit monitors each lamp individually, signals the end of life, counts the total hours of operation of the system and has a partial resettable lamp life counter for accurate maintenance management. The system also features dry contact relays for interfacing with other devices in the system.

Power and protection

As for the power supply, the SATEPA UVAM45 UV Sterilizer operates at 230 Vac ±10%, with a power consumption of 600 W. It is supplied with a 1.5 m power cable (1.5 m lamp cables included), simplifying connection operations. The control unit offers an IP54 protection rating, ensuring adequate resistance to dust and water splashes for installations in technical environments.

Technical characteristics:

Maximum flow rate (m³/h): 45 m³/h – 220 GPM
Initial dose: 300 J/m²
Lamp type: UV
Lamps: 4 x 150 W
Lifetime: 14,000 hours
Height (mm): 935 mm - Ø 168 mm

Format: "Z" chamber
 Working position: Vertical
 Connection type: 2 1/2" male threaded
 Exhaust: 1/2" male
 Maximum pressure: 9 bar standard
 Material: AISI 304 – EN 1.4301 (AISI 316 – EN 1.4401 optional)
 Type: UV3 digital electronic control unit
 Dimensions [mm]: 400 x 400 x 200 mm (W x H x D)
 Lamp control: Single lamp and lamp life monitoring. Total system hour counter and resettable partial lamp life counter.
 Relay: Dry contact relay.
 Power connection: 1.5 m.
 Lamp cable: 1.5 m included.
 Power supply: 230 Vac ± 10%.
 Electrical consumption: 600W.
 Protection rating: IP54.

Are you looking for a UV sterilizer with different features? click [HERE](#).

Technical Sheet

Protection degree	IP54
Type of lamps	UV
Lamps	4 x 150 W
Material	AISI 304 – EN 1.4301 (AISI 316 – EN 1.4401 opzionale)
Height (mm)	935 mm - Ø 168 mm
Feed Type	230 Vac ± 10%
Type of coupling head	2 1/2" male thread
Durata	14.000 Hours
job position	Vertical
Maximum pressure (Bar)	9 bar standard
lamp control	Individual lamp and end-of-life monitoring Total system hour counter and resettable partial lamp life counter Lamp replacement counter
Maximum flow rate (m ³ /h)	45 m ³ /h – 220 GPM Initial dose: 300 J/m ²
Dimensions [mm]	400 x 400 x 200 mm (L x A x P)
Format	Z-shaped chamber
Exhaust	1/2" Male
Type	UV3 digital electronic control unit
Relay	Dry contact relay
Power connection	1,5 m
Lamp cable	1.5 included
Power consumption	600W