



SATEPA UV Steriliser MULTI UVC780D - Display LCD

Reference: UVC780D

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SATEPA Multi UV Sterilizer UVC780D - LCD Display: Power and precision for water disinfection

The SATEPA UVC780D Multi UV Sterilizer - LCD Display represents the ideal solution to ensure the disinfection of large volumes of water efficiently and safely in various applications. With its 12 low-pressure mercury vapor lamps and advanced technology, this device is able to eliminate bacteria, viruses and other microorganisms from water, ensuring deep and complete disinfection.

Main features:

It uses the power of UV-C rays with a wavelength of 254 nm to eliminate of bacteria, viruses and other microorganisms from water.

Maximum flow rate: 70 m³/h (70,000 l/m - 306.60 GPM) @ 30,000 μWsec/cm² and 56 m³/h (56,000 l/m - 246.90 GPM) @ 40,000 μWsec/cm², ensuring effective sterilization even for large volumes.

12 low pressure mercury vapor lamps:

They offer high sterilization power and a long life of up to 9,000 hours.

Single lamp management with end-of-life alarm via LED/relay ensures precise monitoring and efficient maintenance.

Robust and versatile design:

Reactor dimensions: Total H: 1267 mm - Ø 273 mm.

Form factor: "Z" tube.

Working position: Vertical.

Hydraulic connections: 4" male threaded (optional flange) ½" water drain.

Material: AISI 304 (AISI 316 optional) for high resistance and durability.

Precise and intuitive control:

Digital control unit with 2x8 character white/blue backlit LCD display for easy viewing of the operating status.

Total system life hour counter and partial lamp life hour counter, resettable for precise maintenance control.

Lamp change count for efficient replacement management.

Intuitive and versatile controls:

Stand By command with "OK" button for simple start and stop.

Remote ON/OFF control (e.g. flow meter) for greater flexibility.

Solenoid valve control with 230 Vac power relay in exchange @ 0.250 A for precise control of the water flow.

Safety and reliability:

Alarms: Dry contact alarm relay 1 A @ 30Vdc; 0.250 A @ 230 Vac and power alarm relay 1A @ 30Vdc; 0.250A @ 230 Vac to ensure prompt notification in the event of malfunctions.

IP rating: IP54 (optional IP65) for high protection against dust and water jets.

Electrical absorption: 960 Watts for efficient energy consumption.

Power supply: 230 Vac ± 10% @ 50/60 Hz for widespread compatibility.

Technical features:

Range:

Maximum: 70 m³/h - 70,000 l/m - 308.00 GPM @ 30,000 μWsec/cm²

Reduced: 55 m³/h - 55,000 l/m - 242.00 GPM @ 40,000 μWsec/cm²

Lamps:

Number: 12

Power: 80W each

Lifespan: 9,000 hours

Painting:

Dimensions: 420 × 360 × 160mm

IP rating: IP 54

Electrical absorption: 960 Watts

Power supply voltage: 230 Vac ± 10% @ 50/60 Hz (115 Vac ± 10% @ 50/60 Hz optional)

Tube:

Dimensions: Total H: 914 mm × Ø: 273 mm

Working position: Vertical

Hydraulic connections: 4" male thread

Maximum pressure: 10 Bar standard

Material: AISI 304 (AISI 316 optional)

Display: White/blue 2x8 characters backlit

Counts:

Total system hours

Lamp life hours (with audible alarm and relay)

Change lamp

Mode:

Turning on the lamp with water flow

Lamp on signaling relay

Solenoid valve closing in case of lamp off

Commands:

"Stand By" button

Remote "ON/OFF" command

Input signal: Customizable

Alarms:

Dry contact alarm relay 1A @ 30Vdc; 0.250A @ 230 Vac

Power alarm relay 1A @ 30Vdc; 0.250A @ 230 Vac

Degree of protection: IP54 (optional IP65)

Commands: Looking for a UV steriliser with different features? Click [HERE](#).

Images and technical data purely indicative.

Technical Sheet

Frequency (Hz)	50 / 60
Protection degree	IP54
Pressure (bars)	10
Lamps	8 x 80 W
Power consumption (W)	640
Capacity (Lt/h)	37000 - 46000
Output voltage (VAC)	230

Reactor Dimensions	H totale: 933 mm - Ø 219 mm
Form	Z-pipe
job position	Vertical
lamp control	Gestione singola lampada con allarme fine vita lampada attraverso led/relè
