

HM 160.19

UV system for disinfection



Specification

- [1] UV system for disinfecting water
- [2] for connection to the HM 160 experimental flume
- [3] water circuit with circulation pump, flow switch and UV clarifier
- [4] separate power supply for use without experimental flume

Technical data

Pump:

- max. head: 6m
- max. flow rate: 3,5m³/h

UV clarifier:

- light output: 9W
- max. flow rate: 0,8m³/h

Flow switch:

- switching range: 0,33...0,42 m³/h

230V, 50Hz, 1 phase

230V, 60Hz, 1 phase

120V, 60Hz, 1 phase

UL/CSA optional

LxWxH: 490x865x175mm

Weight: approx. 10kg

Scope of delivery

- 1 UV system
- 1 set of accessories

Description

- continuous water treatment
- accessory for the HM 160 experimental flume
- separate power supply

UV systems are used to combat microorganisms such as algae, bacteria and viruses and help to eliminate biological phenomena such as green, white, milky, turbid, bacterially contaminated or bad-smelling water. UVC light is used to produce crystal-clear and germ-free water simply, safely and quickly. The process is environmentally friendly and purely based on physical processes and does not use chemical additives.

The HM 160 experimental flume can be equipped with the HM 160.19 UV system for disinfecting water. The treatment capacity of the UV system is matched to the HM 160 experimental flume.

The UV system is connected to the water tank of HM 160. Once started, the circulation pump causes the water to flow continuously from the water tank through the UV clarifier. During this process, the water is irradiated with UVC light. The treated water then flows back into the water tank. Using the UV system assures good water quality in the HM 160 experimental flume and reduces water consumption.

The water circuit is equipped with a flow switch to monitor the flow. The system can be operated without an experimental flume as it has its own power supply.

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Required accessories

HM 160 Experimental flume 86x300mm