

# UVGERMI®

## ULTRAVIOLETS DE HAUTE TECHNOLOGIE

*Specialist in  
microbiological water treatment  
using ultraviolet reactors.*

● ○ ● MADE IN FRANCE

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## GERMI AP 40 E

> **Average flow:** 2 m<sup>3</sup>/h

The GERMi AP 40 E is a reliable, efficient and economical piece of equipment. It can be used to treat spring water, borehole water, supply water or water from a well contaminated by bacteria. To guarantee drinking water quality, the water must be chemically drinkable before the UV treatment.



**Full warranty:** 1 year  
**After-sales in France**

## TECHNICAL SPECIFICATIONS

### ACS MATERIALS

Equipment to treat a water flow rate of 1.4 m<sup>3</sup>/h to 2.5 m<sup>3</sup>/h for transmittance values between 92% and 98% and a UV dose from 25 mJ/cm<sup>2</sup> to 40 mJ/cm<sup>2</sup>.

### UV LAMP

**Total electrical power:** 40 Watts (1 lamp)  
**Germicidal power:** 15 Watts UVc  
**Lamp service life:** 9,000 hours or 1 year  
(maximum limit of 5 starts per 24-hour period)

### UV REACTOR

**Treatment chamber:** Stainless steel 316L - IP65  
**Reactor diameter:** 76 mm external  
**Reactor length:** 989 mm  
**U-shaped entry/exit:** 3/4" male screw  
**Maximum pressure authorised:** 8 bars  
**Horizontal installation**

### ELECTRICAL BOX

**Dimensions (mm):** 204 x 75 x 54  
**Power supply:** 230 V/50-60 Hz  
**1 light indicator for lamp operation**  
**1 light indicator for lamp fault**  
**1 alarm for end of lamp service life**  
**1 counter indicating days before lamp replacement**

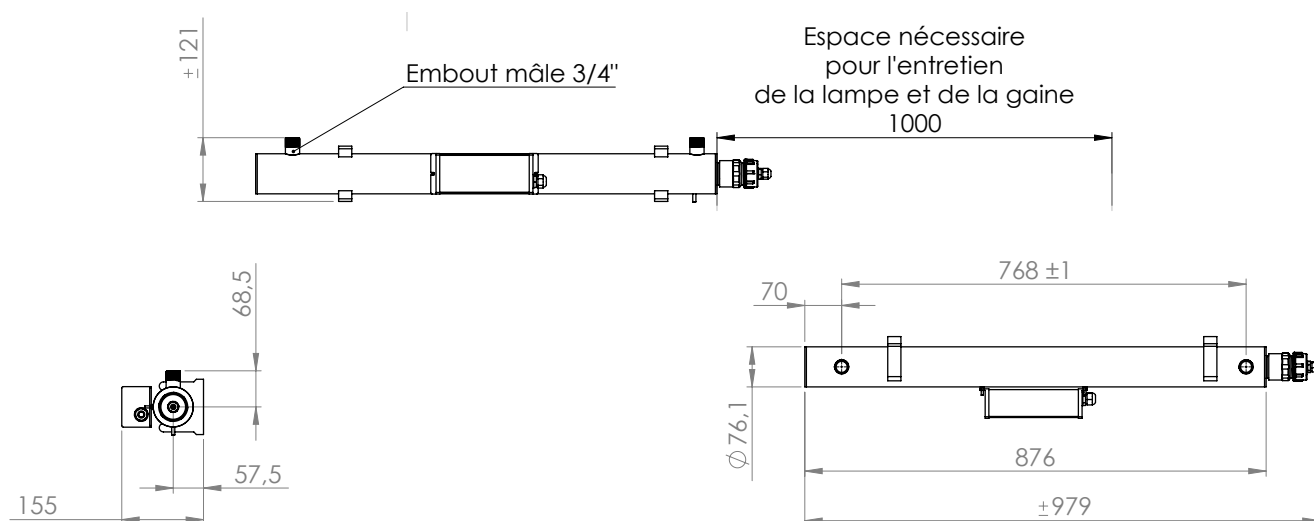
### ASSOCIATED PRODUCTS

**UV lamp 40 Watts:** 14000136  
**Quartz sleeve:** 14000051  
**O-ring:** 14000088

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### INSTALLATION

The **GERMI AP 40 E** must be mounted on the wall using the two support clips.

To enable easy maintenance of the unit, leave space of at least 1.20 m on the UV lamp exit side and install valves to isolate it. If this installation configuration is not possible, it must be possible to dismount the reactor to enable replacement of the UV lamp and cleaning of the quartz sleeve.

The effectiveness of the treatment depends on the transparency of the water. We strongly recommend installing a filtration system with a 50 µm filter screen to eliminate suspended solids before the UV treatment.

The **GERMI AP 40 E** must be protected from "water hammer" and strong vibrations. It must be protected from freezing temperatures and humidity. It must not be operated outdoors.

### MAINTENANCE

Maintenance is limited to the replacement of the UV lamp and the replacement or cleaning of the sleeve. The UV lamp has a maximal service life of 9,000 hours, after which water disinfection is no longer guaranteed.

The quartz sleeve protecting the lamp makes lamp replacement much easier. The quartz sleeve may become clogged or lime scale deposits may form. It should be cleaned with mild acid.

