

# UVGERMI

ULTRAVIOLETS DE HAUTE TECHNOLOGIE

*The microbiological water treatment specialist using ultraviolet reactors.*

● ○ ● MADE IN FRANCE

14000156B\_A\_FT10

## GERMI AD 120 ECI\*

> **Flow:** from 10.4 to 14.5 m<sup>3</sup>/h

**Full warranty: 2 years**  
**After-sales in France**



The GERMI AD120 ECI is specially designed for securing water resources for use in industrial processes, for producing rinse or wash water, for protecting equipment (reverse osmosis, filtration), or for producing ultra-pure water.



### TECHNICAL SPECIFICATIONS

Equipment for treating an average water flow between 10.4 m<sup>3</sup>/h (T<sub>10</sub> = 90% at 254 nm) and 14.5 m<sup>3</sup>/h (T<sub>10</sub> = 98% at 254 nm) for a minimum UV dose of 40 mJ/cm<sup>2</sup> at the end of lamp service life.

#### UV LAMP

Total electrical power: 120 Watts (1 lamp)  
Germicidal power: 38 Watts  
UVc Lamp service life: 16,000 hours or 2 years (limited to a maximum of 5 starts per 24 hours)

#### ELECTRICAL BOX

Dimensions (mm): 190 x 204 x 72  
Power supply: 240 V / 50-60 Hz  
ON-OFF switch/Lights on indicator/UV sensor display/Fault indicator/Lamp hour counter

#### UV REACTOR

Treatment chamber: Stainless steel 316L  
Input/Output: DN 80  
Operating pressure: 8 bar  
Drainage valve and sampling valves

#### ASSOCIATED PRODUCTS

120 W UV lamp: 14000094  
Quartz sleeve: 15000804  
O-ring: 14000113

UV sensor (permanent display of the intensity emitted) Fixing lugs

Temperature probe

\*ECI: Eau Claire Industrielle (Industrial Clear Water)

#### OPTIONS

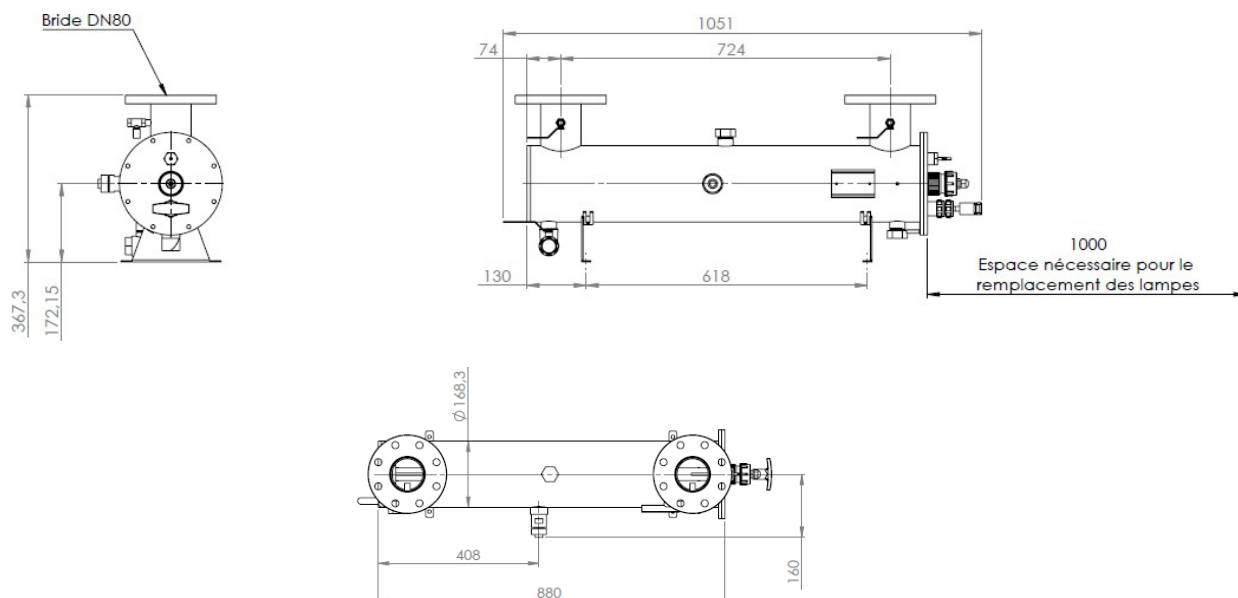
Manual cleaning using a pull tab/Vertical installation



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### INSTALLATION

The GERMi AD120 ECI is installed on the main water supply pipe, the water inlet and outlet sides being identical. If the reactor needs to be installed vertically, an automatic air bleed must be included in the upper section of the reactor.

A gap must be left on the lamp removal side (1 m minimum) or the unit (bypass) must be easy to dismantle for maintenance operations.

### MAINTENANCE

The reactor requires little maintenance and monitoring: only the lamp service life and quartz sleeve fouling need to be monitored. When the UV lamp reaches the end of its service life, efficiency losses will become noticeable. The lamp must be replaced after 16,000 hours or 2 years in operation.

The quartz sleeve considerably simplifies the replacement of the lamp, without having to drain or dismantle the entire unit. Fouling in the sleeve may occur, in which case it must be cleaned 1 to 3 times a year with a mild acid depending on the nature of the water. The quartz sleeve must be replaced every 4 to 5 years.