



# UVGERMI®

ULTRAVIOLETS DE HAUTE TECHNOLOGIE

*Specialist in  
dechloramination solutions  
using ultraviolet reactors.*

● ○ ● MADE IN FRANCE

15000086\_A\_FT10

## UVDECHLO 45

> **Flow rate:** from 15 to 50 m<sup>3</sup>/h

**EEC option possible\***

The **UVDECHLO 45** reduces the level of combined chlorine in swimming pools via photochemical action on all the organochlorine compounds in the water (monochloramine, dichloramine trichloramine). It also destroys Giardia and Cryptosporidium.



**Full warranty:** 2 years

**Stainless steel parts:** 5 years

**After-sales in France**



\* Interlocked with the chloramine level (thanks to information from an analysis chamber located upstream of the installation)

## TECHNICAL SPECIFICATIONS

 **Equipment accredited by the French Ministry of Health: no. 050021**

### UV LAMP

**Total electrical power:** 400 Watts (2 lamps)  
**UV dose at the end of lamp service life:** 60 mJ/cm<sup>2</sup>  
**Lamp service life:** 16,000 hours or 2 years  
 Low pressure lamp, no ozone generation

### UV REACTOR

**Treatment chamber:** Stainless steel 316L  
**Input/Output:** DN80/PN10-16 (PVC 90)  
**Operating pressure:** 2 bars

### ELECTRICAL BOX

**Dimensions (mm):** 400 x 400 x 210  
**EEC dimensions (mm):** 500 x 700 x 250  
**Power supply:** 230 V + neutral / 50-60 Hz  
 Digital hour counter with pre-selection  
 Pre-alarm light indicator for lamp replacement  
 Alarm buzzer for lamp replacement

### ASSOCIATED PRODUCTS

<b>200 W UV lamp:</b>	14000129
<b>Quartz sleeve:</b>	14000048
<b>O-ring:</b>	14000088
<b>Ballast:</b>	16000273
<b>EEC ballast:</b>	17000660

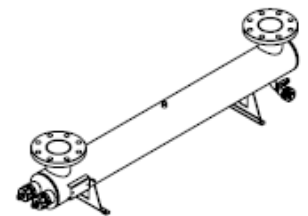
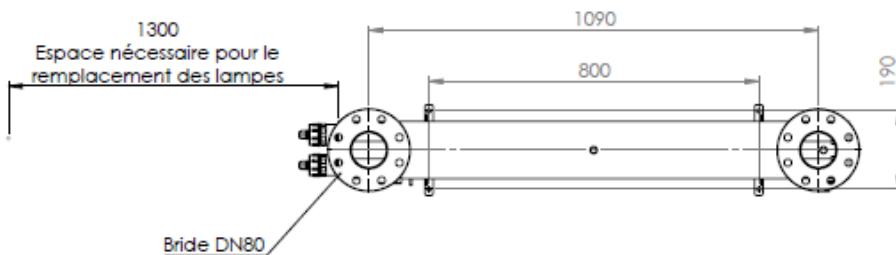
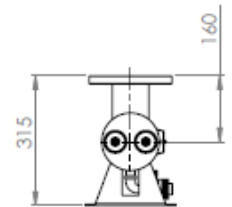
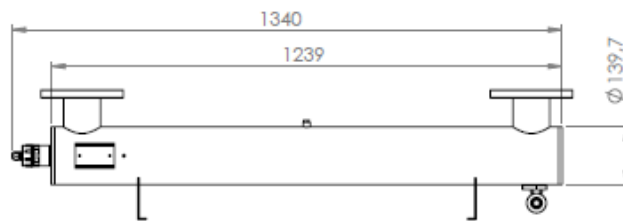
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### INSTALLATION

The dechloramination unit must be installed horizontally: water flow can be in either direction, but we recommend that the water flows in from the top and out from the top of the unit to avoid any accumulation of air in the treatment chamber and to ensure that it always remains full of water. Sufficient space must be left at the side of the dechloramination unit (1.30 m) to enable maintenance and UV lamp replacement.

Filtration is required to remove suspended solids. The dechloramination unit is therefore installed after the pool filters, but before chlorine injection as the chlorine molecules can be degraded by UV radiation.

### MAINTENANCE

Efficiency is reduced when the UV lamps reach the end of their service life (after 2 years' operation) or if one of them becomes defective. They must be replaced. The quartz sleeves make lamp replacement much easier: the unit does not have to be drained or dismantled. The dechloramination unit is equipped with several lamps, which must all be replaced at the same time. The quartz sleeve(s) may become clogged and should be cleaned at least once a year with a mild acid.