

# UVGERMI®

ULTRAVIOLETS DE HAUTE TECHNOLOGIE

*Specialist in  
microbiological water treatment  
using ultraviolet reactors.*

● ○ ● MADE IN FRANCE

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## GERMI LD 600 ACS

> **Flow rate:** from 221.3 to 1001 m<sup>3</sup>/h

CE

Full warranty: 2 years

After-sales in France

The treatment of water for human consumption in communal facilities requires equipment that has been ACS-UV accredited in compliance with the decree of 9 October 2012 on the conditions of selling and using reactors with UV radiation lamps for the treatment of water for human consumption.



### TECHNICAL SPECIFICATIONS

**ACS UV no.: 17 UV LY 008**, Certificate provided on request.

#### UV LAMP

Total electrical power:	7,200 Watts (12 lamps)
Germicidal power:	2,520 Watts UVC
Lamp service life:	12,000 hours or 16 months (maximum limit of 5 starts per 24-hour period)

#### UV REACTOR

Treatment chamber:	Stainless steel 316L
Input/Output:	DN 400
Operating pressure:	8 bars
Drainage valve and sampling valves	
UV sensor (permanent display of the intensity emitted)	
Temperature probe	
Automatic cleaning of the sleeves	
Adjustable foot height	

#### ELECTRICAL CABINET

Dimensions (mm):	1600 x 800 x 500
Power supply:	400 V Tri+N+E / 50-60 Hz
On/off switch / LCD display of lamp status / Fault display / Lamp hour counter / Painted steel cabinet	

#### ASSOCIATED PRODUCTS

600 W UV lamp:	14000100
Quartz sleeve:	14000055
O-ring:	14000290

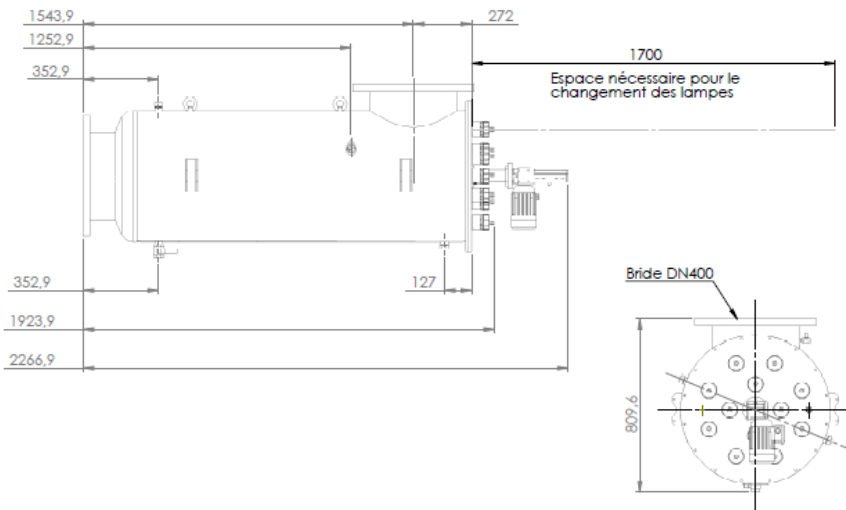
#### OPTIONS

Vertical installation with customised feet

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### ACCREDITED FLOW RATES

TYPICAL VALUES FOR 400 J/m <sup>2</sup>	
Maximal flow (m <sup>3</sup> /h)	Transmittance at 254 nm over 10 nm (%)
221.3	85
341.2	90
608.5	95
1000.8	98.2

### INSTALLATION

The **GERMI LD 600 ACS** is installed horizontally on the main water supply pipe. The water must flow in the direction indicated by the arrows on the UV chamber. Shut-off valves must be installed upstream and downstream of the unit.

Sufficient space must be left beside lamp exit (at least 1.70 m) or allow for easy dismantling of the unit (bypass) for maintenance operations. Pay attention to the accumulation of air in the upper part and install an air bleed if necessary.

### MAINTENANCE

The reactor requires little maintenance or monitoring: check lamp service life and clogging of the quartz sleeve. Effectiveness will be reduced when the lamps approach the end of their service life. They must be replaced every 12,000 hours or every 16 months.

The quartz sleeves make lamp replacement much easier: the unit does not have to be drained or dismantled. The sleeves may become clogged and should be cleaned 1-3 times per year with a mild acid, depending on the nature of the water. The quartz sleeves must be replaced every 4 to 5 years.