UVGERMI
ULTRAVIOLETS DE HAUTE TECHNOLOGIE

The microbiological water treatment specialist using ultraviolet reactors.

MADE IN FRANCE

14000291B_A_FT10

GERMI LD 600 ECI NA*

> **Flow:** from 900 to 2200 m^3/h

The GERMI LD600 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.

Full warranty: 2 years

After-sales in France

CE

TECHNICAL SPECIFICATIONS

Equipment for treating an average water flow between 900 m_3/h (T_{10} = 90% at 254 nm) and 2200 m_3/h (T_{10} = 98% at 254 nm) for a minimum UV dose of 40 mJ/cm^2 at the end of lamp service life.

UV LAMP

Total electrical power:	7200 Watts (12 lamps)
Germicidal power:	2500 Watts UVc
Lamp service life:	12,000 hours or 16 months

limited to a maximum of 5 starts per 24 hours)

UV REACTOR

Treatment chamber:	Stainless steel 316L
Input/Output:	DN 400
Operating pressure:	8 bar

Drain valve and sampling valves UV sensor (permanent display of the intensity emitted) Temperature probe Automatic quartz sleeve cleaning system Adjustable legs (height)

ELECTRICAL BOX

Dimensions (mm):	1600 x 800 x 500
Power:	240 V / 50-60 Hz

ON-OFF switch/Lights on indicator/ Lamps / UV sensor display / Fault indicator / Lamp hour counter / Painted steel cabinet

ASSOCIATED PRODUCTS

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

OPTIONS

Vertical installation with customised leg

*ECI: Eau Claire Industrielle (Industrial Clear Water)

UVGERMI, ZAC de la Nau, 19240 Saint-Viance (FRANCE) // Tel. +0033(0)5 55 88 18 88 // Fax: +0033(0)5 55 88 18 16 // Email:

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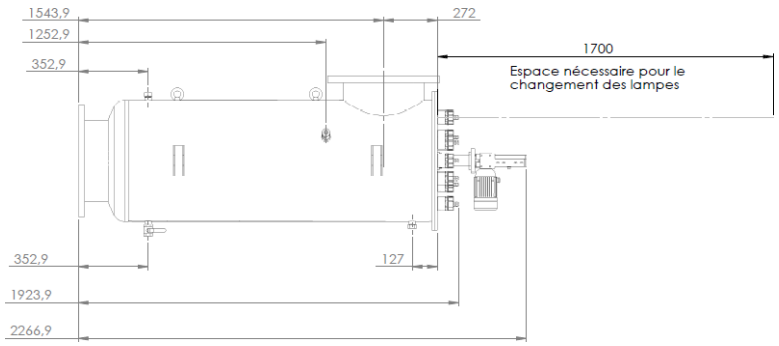

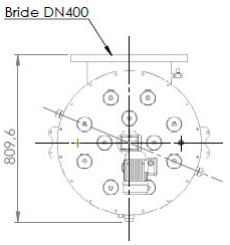

INSTALLATION

The GERMI LD600 ECI NA 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 (1.7 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 lamps reach the end of their service life, efficiency losses will become noticeable. The lamps must be replaced after 12,000 hours or 16 months in operation.

The quartz sleeves considerably simplify the replacement of the lamps, 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 sleeves must be replaced every 4 to 5 years.

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