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BREATHE SAFE. LIVE BETTER.

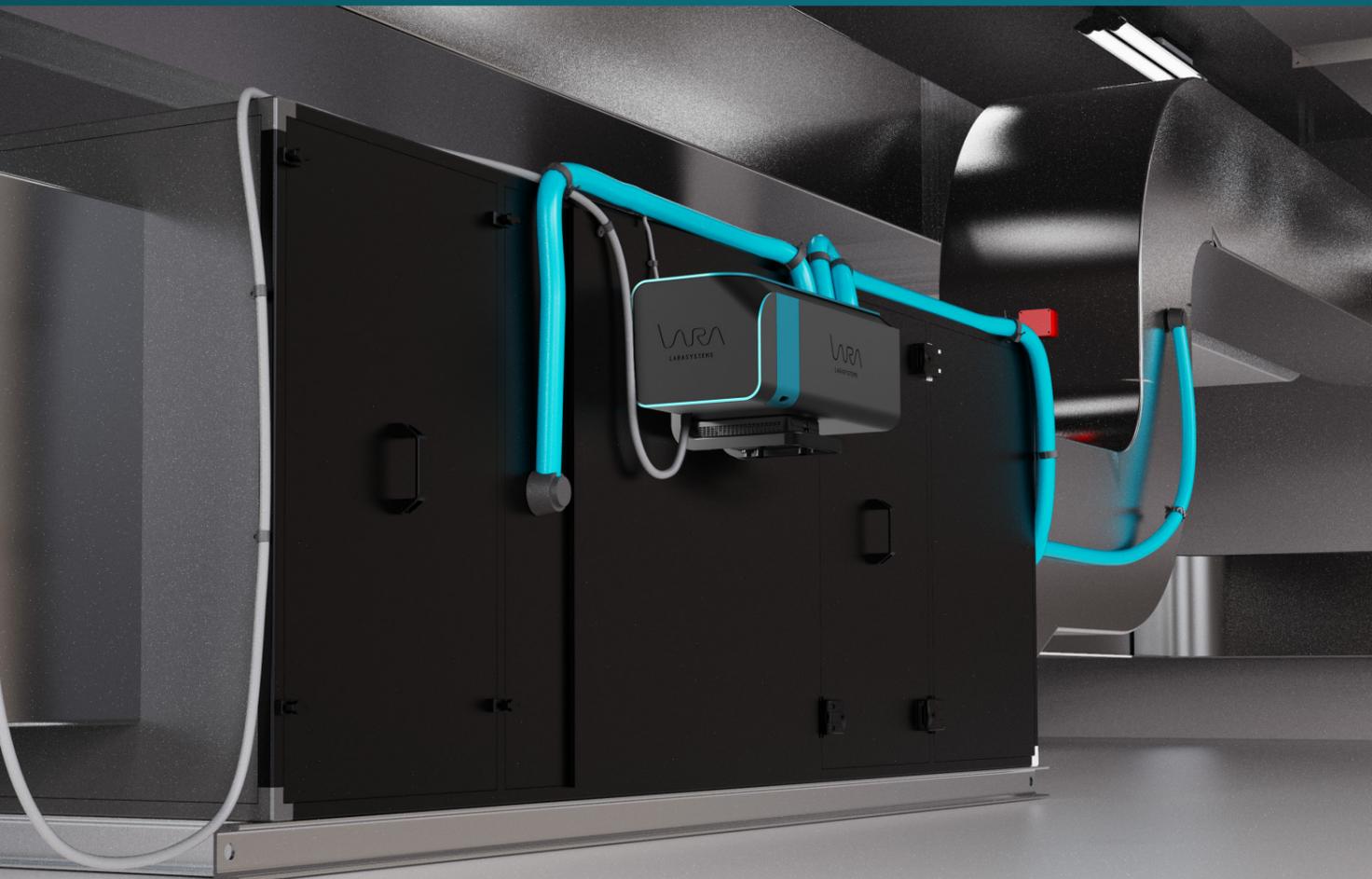
Innovative disinfection. The smart disinfection system of the 21st century.



LARA SYSTEMS

PRODUCT OVERVIEW

Lara Systems is a revolutionary automated disinfection system designed to ensure continuous hygiene in air handling units and air duct systems. Lara Systems disinfects air handling units and air ducts by atomizing a precisely controlled, fine mist of disinfectant directly inside the air handling unit and the ductwork, effectively reducing bacteria, viruses, fungi, and allergens. The device operates discreetly within existing HVAC systems and helps improve indoor air quality and hygiene in offices, healthcare facilities, and other public or commercial buildings.



KEY FEATURES

- **Automated disinfection:** operates continuously or on a schedule, reducing biological contaminants inside ducts without manual cleaning
- **Fine atomization technology:** uses a fine mist to reach all corners of the duct network enhancing coverage and effectiveness
- **Integrated monitoring display:** on-device dot-matrix display shows disinfectant level operating status, and service messages
- **Mobile app control:** remote control and scheduling via a smartphone app, allowing easy management from anywhere
- **Easy installation:** fits horizontal or vertical surfaces with a mounting bracket; designed for integration near air handling units
- **Long-lasting disinfectant supply:** refill drawer with swiss-engineered disinfectant provides up to 4 months of continuous operation per refill
- **Scalable for different systems:** settings and installation can be adapted to suit various duct sizes and building types

Connectivity

Wireless:
Wi-Fi
Bluetooth
Cellular connectivity

Wired network:
UTP (RJ45 Ethernet) connection

Size and Weight

Length, without pipe connectors:
58,5 cm

Width:
25,6 cm

Height, without mounting bracket:
22,6 cm

Weight:
13,6 kg

APP Compatibility

Tablet:
Android & iOS

Smartphone:
Android & iOS

Through app.larasystems.com operators can monitor and control the system remotely, even from home.

Technical Specifications

Model:
LARASYSTEMS

Voltage:
230V AC, 50 Hz single phase

Power consumption:
150W

Disinfectant tank:
1,5 L

Water connection:
3/8 inch water connection

Duct size:
500–2000 mm diameter

Operating temperature:
5–60 °C

Noise level:
< 85 dB

Functions

Basic function:
Atomizing a wide-spectrum disinfectant mixture of water, disinfectant, and air into fine droplets

Disinfection functions:
Automatic disinfection cycles
Immediate disinfection
Scheduled disinfection
Deep disinfection

Lara Disinfectant

Color:
Colorless

Odor:
Odorless

Physical state:
Liquid

Melting/freezing point:
Approx. 0 °C

Boiling point:
Approx. 100 °C

Flammability:
Non-flammable

Auto-ignition temperature:
Non auto-igniting

pH:
2–2.5 (at 20 °C)

Solubility:
Fully miscible with water in all proportions

Safety rules: Only qualified personnel may install or service the system. Handle used disinfectant containers according to local regulations.

LARA DISINFECTANT - ADVANCED HYGIENE FORMULA

**DEVELOPED BY A GLOBALLY RECOGNIZED
LONG-ESTABLISHED SWISS CHEMICAL
CORPORATION**

**BROAD-SPECTRUM EFFICACY AGAINST
BACTERIA, VIRUSES, FUNGI, AND BIOFILMS**

**SAFE AND RESIDUE-FREE:
BREAKS DOWN INTO WATER AND OXYGEN**

**NON-FLAMMABLE, COLORLESS AND
ODORLESS**

**ENHANCES HVAC HYGIENE:
PREVENTS MICROBIAL REGROWTH AND
MAINTAINS AIR QUALITY**

Lara Disinfectant is a ready-to-use, broad-spectrum disinfectant based on hydrogen peroxide and silver. It is highly effective against bacteria, viruses, fungi, and biofilms, while decomposing into harmless water and oxygen, leaving no residues or odors. Its fine aerosol compatibility makes it ideal for air handling unit and air duct system disinfection, ensuring safer and cleaner indoor air in offices, healthcare facilities, and public buildings.



INSTALLATION

Water supply:
Minimum 1.5 bar.

Electrical power:
Standard 230V AC.

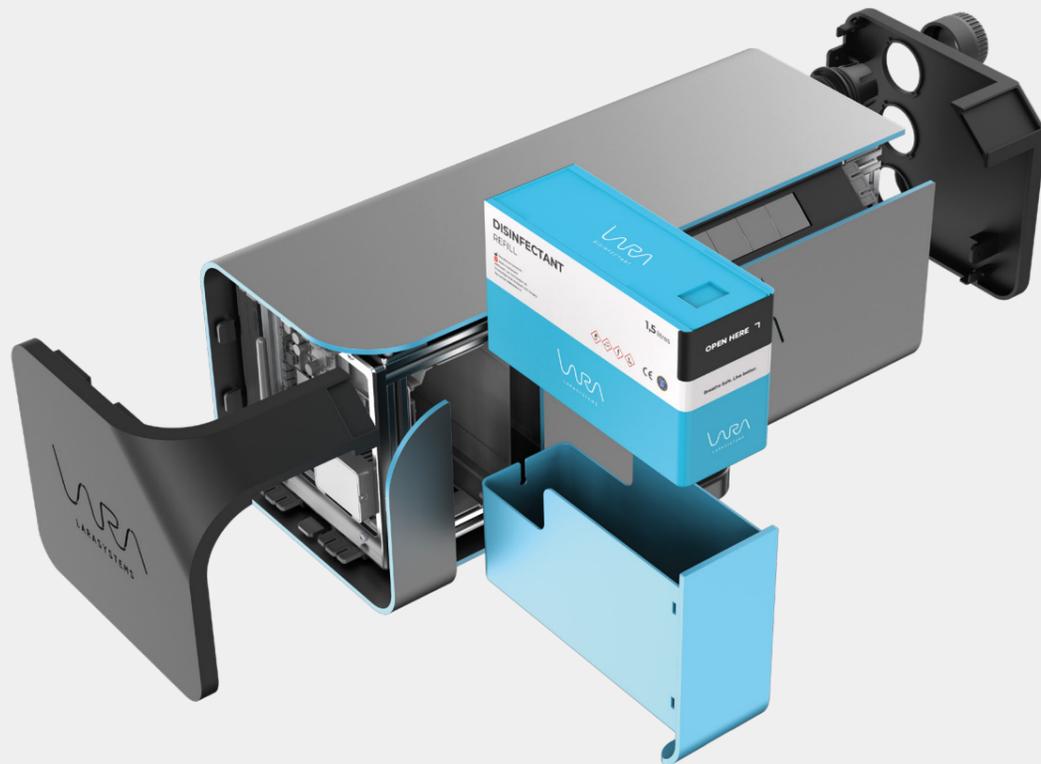
Physical space:
The unit must be mounted on or near the AHU with the supplied bracket.

Duct connection:
Blue hoses connect to spray nozzles inside the air handling unit and the duct network.

Installation must be performed by a qualified HVAC professional.

INSTALLATION STEPS

- 1 Select installation location.
- 2 Mount the unit according to the manual.
- 3 Connect spray nozzles to the duct network using the included spacers.
- 4 Connect hoses to the unit.
- 5 Connect water supply (3/8").
- 6 Connect to electrical supply (230V/50Hz).
- 7 Insert disinfectant container into the tank.
- 8 Remove the perforated section of the container and attach the disinfectant line to the unit.
- 9 Commission the system via the app (QR code or online guide can be provided).



LARA APP

MOBILE APP CONTROL

One of Lara Systems' greatest advantages is digital control. Through app.larasystems.com operators can monitor and control the system remotely, even from home.



MAIN FUNCTIONS

Scheduling:
Disinfection can occur when the building is unoccupied (e.g., 2 a.m.).

Status notifications:
Alerts for low disinfectant, airflow issues, or water pressure drops.

Multi-unit management:
Control multiple devices across different buildings from a single profile.

WARRANTY AND MAINTENANCE

Warranty:
24 months full coverage warranty.

Warranty conditions:
Valid only if installation is performed by a certified professional and the system is operated with original Lara Disinfectant fluid.

MAINTENANCE SCHEDULE

Daily/weekly:
No action needed; system runs automatically.

Annually:
Full inspection by a certified technician with photographic documentation.

Replace filter when changing disinfectant container.