LightTech LightSources

Germicidal UVC Lamp Approaches and Applications For Reduction Of Hospital Acquired Infections (HAI's)

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Presentation Synopsis

- Light Sources Inc. Introduction
- UVC Germicidal Lamp Options
- Understanding the UVC HAI Reduction Toolkit
- UV HAI Reduction Approaches and Tools

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About Light Sources Inc.

- Founded in 1983, Headquarters in Orange, CT
- Millions of UVC lamps sold since inception
- Manufacturing capabilities in Europe and USA
- 1000+ employees globally
- Sales offices on three continents
- UV lamp supplier to hundreds of OEM partners

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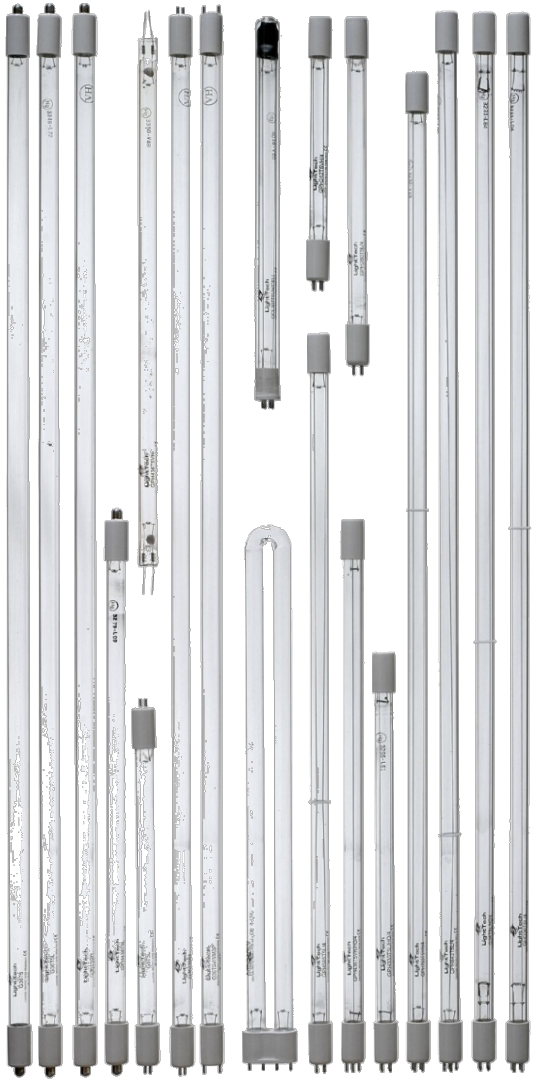
Light Sources Germicidal UVC Lamps



Low Pressure Lamp Technology:

- Power ranges from 5 W up to 1200W
- Custom lengths, diameters and branding
- Applications: air, water and surface Disinfection
- Ozone producing options available

Germicidal Lamp Portfolio

- Standard, High Output and High Output Amalgam Options
- Long life technology (16k hrs)
- Proprietary OEM base design

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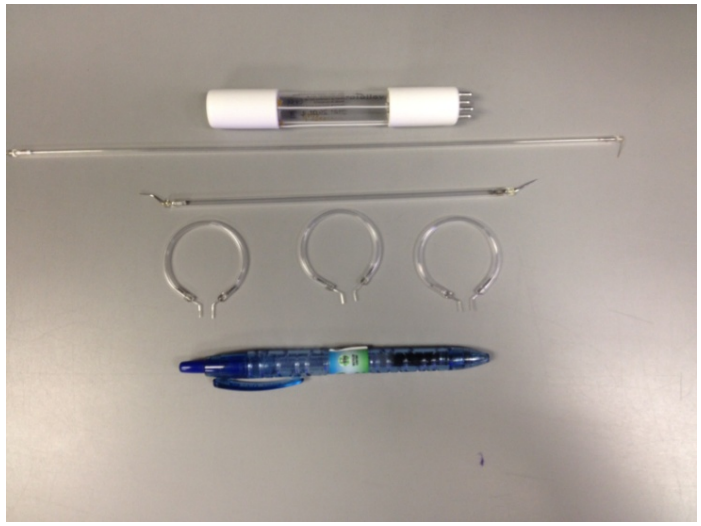
Soft Glass Subminiature Lamps

- Stop Gap Technology
- Low Cost Per Watt of UVC Power vs. UVC LED
- Small Geometric Foot Print
- Custom Shapes/Sizes



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UV HAI Reduction: A Multi-Tool Approach

- No single silver bullet approach
- Analysis of full UVC toolbox required on a case by case basis

UVC HAI Reduction Methods

- Air
  - In-duct air disinfection
  - In-room wall/ceiling mounted air disinfection
  - Mobile air disinfection

- Surface
  - In-ceiling room surface disinfection
  - Mobile cart room surface disinfection
  - Electronic device surface disinfection
  - Instrument/tool disinfection

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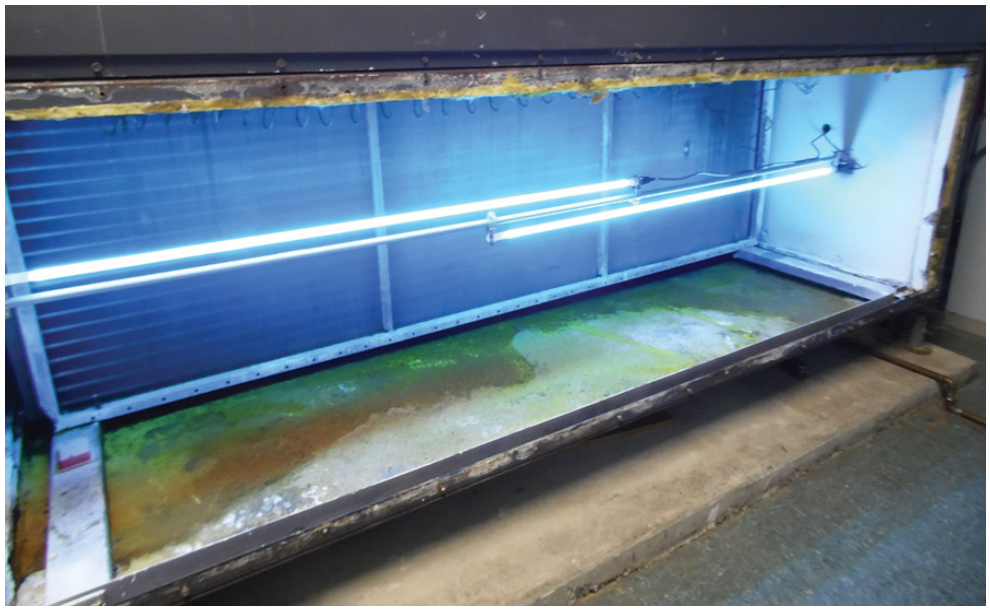
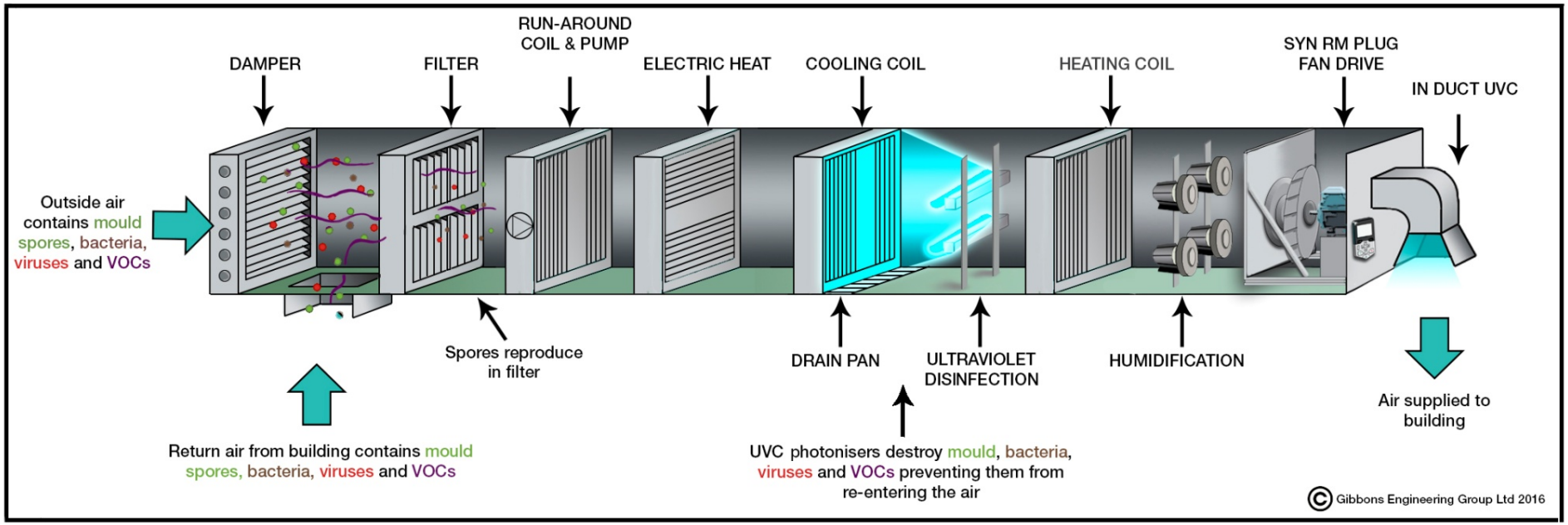
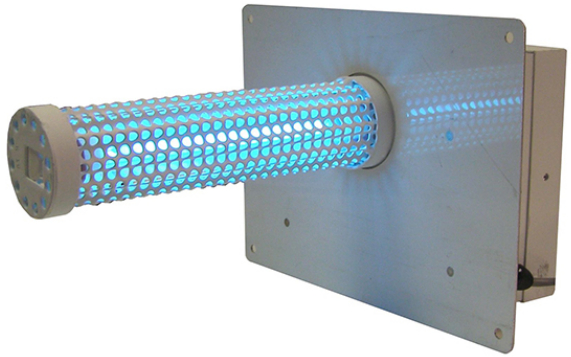
In-Duct Air Disinfection

- UVC Lamps placed in heating, ventilation and air conditioning ductwork
- Mold/mildew reduction
- Prevent the spread of HAI's through ductwork



In-Duct Air Disinfection





In-Room Wall/Ceiling Mount Air Disinfection

- Point source air disinfection for rooms
- Mounted on wall or in ceiling
- Cycles air past UV lamp

Mobile Air Disinfection

- Cycles air in room past a filtration system which includes a UV lamp
- Can be moved from room to room as needed

Mobile Cart Room Surface Disinfection

- Mobile UV-enabled cart that can be moved around a room and between rooms

Electronic Device Disinfection

- High touch surfaces such as tablets/iPads
- Some options double as charging docks

Electronic Device Disinfection

- Clip-on style for monitors, touch screens and keyboards (high touch surfaces prone to HAI contamination)

Instrument/Tool Disinfection

- Batch treatment of common tools & instruments used in medical setting.

Questions?

Thank You