

300 Room Hospital – New Construction

WATER UTILITY



Considerations

- Varying disinfectant levels
- Water main breaks
- Service disruption
- Distance to building
- Age of water

BUILDING MAINTENANCE



Tackle water temperature

- Ensure precise temperature control with a digital mixing station
- Chemicals like chlorine can corrode pipes and equipment
- Corroded pipes are an ideal breeding ground for Legionella
- Reduce the risks of corrosion and pinholes with durable pipe material
- Disinfectant chemicals dissipate as they travel and vary in how effectively they kill Legionella
- Consider a full system solution to ensure patient safety
- Increase water quality with sediment filters and scale control solutions
- Reduce biofilm, scale, blockage, sediment, and their shadows with a sediment filtration system

PREMISE PLUMBING



Keep it Moving

- Stagnant water can lead to biofilm growth
- Low flow conserves water but can lead to stagnation
- Low flow leads to old water which is more likely to harbor increased bacteria levels
- The IECC mandates recirculation pumps to time off via timing devices
- Avoid dead legs!

POINT-OF-USE OUTLETS



Last line of defense

- Consider POU filters for high risk areas
- Use larger capacity laminar flow on all faucets
- Help prevent stagnant water with automatic flushing faucets and showerheads
- Choose a sink that limits splashing
- Help to drain stagnant water with a hanging shower hose
- Use a thermal flush and/or hyper-chlorination when needed. At low-use times, consider thermal flushing on a regular schedule.

Scalding

- High water temperatures kill Legionella. Help prevent scalding with T/P shower valves & POU faucets with mixing valves for the most accurate water temperature control.

PATIENT/VICTIM



Considerations

- 1 in 10 will die
- Life-long effects
- Cases are rising
- High risk populations include elderly, smokers, and immunocompromised

EMER

Large acute care hospitals require comprehensive and sometimes complex premise plumbing systems. Consider ways to mitigate Legionella when making decisions about the water moving through the building from point-of-entry to point-of-use.

Watts recommends the following base system solution for a new acute care hospital as your foundation of defense against Legionella proliferation.

- IntelliStation®
- Big Bubba®
- OneFlow®
- SmartStream®
- BLÜCHER® piping
- Mixing valves
- HygienicPro®
- Backflow Preventers

Represented by:

300 Room Hospital – Renovations

WATER UTILITY



Considerations

- Varying disinfectant levels
- Water main breaks
- Service disruption
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BUILDING MAINTENANCE



Tackle water temperature

- Ensure precise temperature control with a digital mixing station
- Chemicals like chlorine can corrode and damage older pipes and equipment
- Corroded pipes are an ideal breeding ground for Legionella
- Reduce the risks of corrosion and pinholes with durable pipe material like stainless steel
- Disinfectant chemicals dissipate as they travel and vary in how effectively they kill Legionella
- Consider a full system solution to ensure patient safety
- Government oversight and maintenance might be required
- Reduce biofilm, scale, blockage, sediment, and their shadows with a sediment filtration system

PREMISE PLUMBING



Keep it Moving

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- Avoid dead legs!



POINT-OF-USE OUTLETS



Last line of defense

- Consider POU filters for high risk areas
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Scalding

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PATIENT/VICTIM

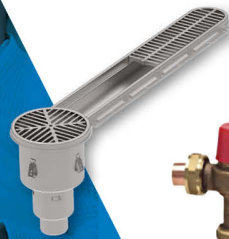


Considerations

- 1 in 10 will die
- Life-long effects
- Cases are rising
- High risk populations include elderly, smokers, and immunocompromised



A renovation or addition to an existing hospital is a complex, comprehensive process. Consider ways to mitigate Legionella from point-of-entry to point-of-use, how existing systems will interact with new systems, and make sure to identify and eliminate dead legs.



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- Big Bubba®
- OneFlow®
- SmartStream®
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Represented by:

Dental Offices

WATER UTILITY



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BUILDING MAINTENANCE



Tackle water temperature

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- Reduce the risks of corrosion and pinholes with durable pipe material like stainless steel
- Disinfectant chemicals dissipate as they travel and vary in how effectively they kill Legionella
- Consider a full system solution to ensure patient safety
- Government oversight and maintenance might be required
- Reduce biofilm, scale, blockage and shadows with a sediment filtration system

PREMISE PLUMBING



Keep it Moving

- Stagnant water can lead to biofilm growth
- Low flow conserves water but can lead to stagnation
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- The IECC mandates recirculation pumps to time off via timing devices
- Avoid dead legs!

POINT-OF-USE OUTLETS



Last line of defense

- Consider UV for each patient room
- Consider POU filters for high risk areas
- Use larger capacity laminar flow on all faucets
- Help prevent stagnant water with automatic flushing faucets and showerheads
- Choose a sink that limits splashing

Scalding

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PATIENT/VICTIM



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Mitigating Legionella is essential in dental facilities, where water is regularly used to treat patients, yet there's little regulation for waterborne pathogens. Consider ways to combat Legionella from point-of-entry to point-of-use such as a small digital mixing station, point-of-use filters, and UV disinfection.

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Represented by:

Long Term Care Facility

WATER UTILITY



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BUILDING MAINTENANCE



Tackle water temperature

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- Reduce the risks of corrosion and pinholes with durable pipe material
- Disinfectant chemicals dissipate as they travel and vary in how effectively they kill Legionella
- Consider a full system solution to ensure patient safety
- Increase water quality with sediment filters and scale control solutions
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PREMISE PLUMBING



Keep it Moving

- Stagnant water can lead to biofilm growth
- Design multiple systems to increase water circulation
- Low flow conserves water but can lead to stagnation
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POINT-OF-USE OUTLETS



Last line of defense

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- Use larger capacity laminar flow on all faucets
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Reducing the risk of Legionella should be a top priority when designing long-term care facilities. Maximize patient safety for high-risk populations with Legionella mitigating solutions from point-of-entry to point-of-use, and by implementing multiple separate systems in pod designs.

Watts recommends the following base system solution for a new acute care hospital as your foundation of defense against Legionella proliferation.



- IntelliStation®
- Big Bubba®
- OneFlow®
- SmartStream®
- BLÜCHER® piping
- Mixing valves
- HygienicPro®
- Backflow Preventers

Represented by:

COMBATING LEGIONELLA

Ambulatory Care Centers, Surgical Centers and other small sized healthcare facilities

WATER UTILITY



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Small medical facilities require comprehensive and sometimes complex premise plumbing systems. Consider cost effective ways to mitigate Legionella from point-of-entry to point-of-use, such as UV disinfection and smaller digital mixing stations.

Watts recommends the following base system solution for a new acute care hospital as your foundation of defense against Legionella proliferation.

- IntelliStation® Jr.
- Big Bubba®
- OneFlow®
- SmartStream®
- BLÜCHER® piping
- Mixing valves
- HygienicPro®
- Backflow Preventers



Represented by:

