

# Healthcare Solutions

The Right Remedies for Patient Safety and System Efficiency





# Partner with Watts to Help Protect Your Patients, Reduce Your Risk of Liability...

Safety is our number one priority. With Watts' comprehensive portfolio of complete heating and water management solutions, you'll provide safe, reliable hot water on demand to patients and medical personnel while helping to keep them safe from scalding and waterborne pathogens.

## Legionella and Scalding Mitigation

Our water heaters, digital mixing systems and water treatment products mitigate Legionella and other pathogens through flow control and precise water temperatures. Incorporating our line of UV products, water filtration, scale control, backflow preventers and hygienic drains further aids in the reduction of bacteria growing in your system and protects against microbiological contamination keeping patients safe from harm.



### Water Heaters and Digital Mixing Systems

Our high efficiency water heaters and digital mixing systems feature advanced flow control and precise water temperatures to  $\pm 2^{\circ}\text{F}$  which helps to mitigate risks of waterborne pathogens and provide safe water to patients.



### UV Disinfection

UV disinfection protects against microbiological contamination inactivating up to 99.9999% of harmful organisms in the water supply including Legionella and other bacteria, viruses and parasites. They require no contact with toxic or corrosive chemicals and produce no harmful byproducts.



### Anti-scale Systems

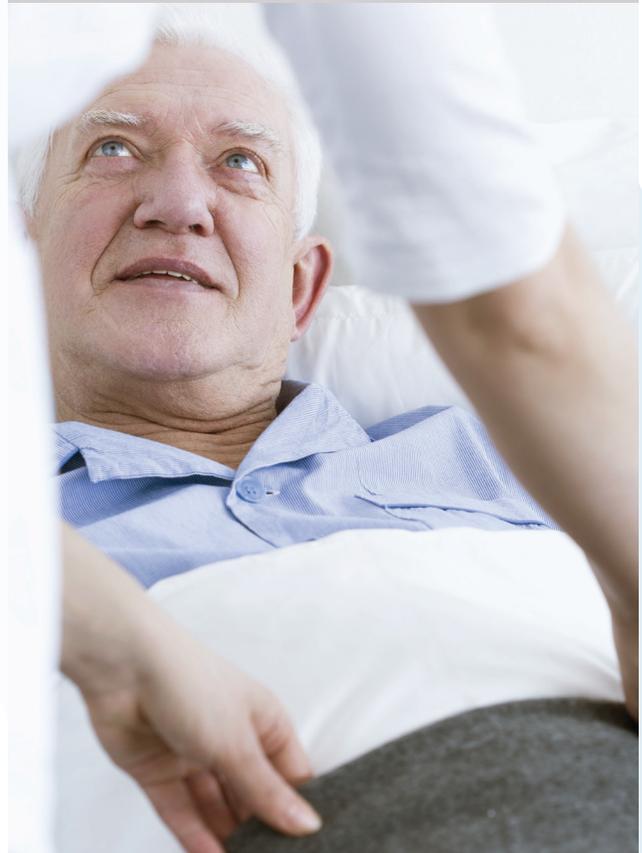
Anti-scale improves the ability of all components in your system to mitigate risk of Legionella by preventing the build-up of sediment and scale upon which bacteria thrives and hides.

## Legionella Affects Thousands Each Year

The Center for Disease Control (CDC) estimates 8,000 - 18,000 are hospitalized with Legionella's disease in the U.S. every year. According to the CDC, the key to preventing Legionella's disease and other illness from water-borne bacteria is proper maintenance of the water distribution systems. Factors internal to buildings that can lead to Legionella growth include:

- Water temperature fluctuations
- Water pressure changes
- Inadequate disinfectant
- Water stagnation
- Scale and sediment
- Dead legs

See more at [cdc.gov/legionella/downloads/toolkit.pdf](https://www.cdc.gov/legionella/downloads/toolkit.pdf)



# And Reduce Your Cost of Ownership

Energy use accounts for one of the biggest portions of a healthcare facility's operating costs. In fact, hospitals, due to the nature of their work and running on a 24-hour basis, have higher energy intensity per square foot than any other building in the commercial sector.\* Our dedicated team of engineers will design a state-of-the-art, cost-effective, high efficiency system that operates at peak performance and delivers a significant Return on Investment.

## Reduced Operating Costs

The best way to reduce operating costs is to increase efficiency and ensure your system is optimized. Our durable, high performing products give you superior reliability with maximum savings and less unscheduled, costly maintenance.

### Save 30% with Increased Efficiency

- Convert to high efficiency water heaters and boilers to gain an average of 30% in energy savings which can translate into thousands of dollars annually
- Precisely control water temperature to  $\pm 2^{\circ}\text{F}$  (vs.  $\pm 7^{\circ}\text{F}$  of traditional thermostatic mixing valves)

### Improve System Performance with Anti-Scale

- Prevent scale build-up without the added cost of electricity
- Extend the life of your system and prevent premature failure

## Lower Installation Costs with a Right-sized System

Too often, systems are over-designed with excess venting, piping and BTU capacity. Our engineers will evaluate your facility and create a tailored, properly-sized system that will:

- Reduce installation costs
- Require less equipment and space in your mechanical room
- Use less fuel

## Remote Monitoring

With our advanced Smart and Connected products, you'll have instant insight into how your system is performing. View real-time data to identify energy-saving opportunities, maximize system efficiency and reduce unscheduled maintenance. Receive immediate alerts so you can take action quickly in order to prevent more serious issues from occurring and ensure your system is operating as it should.

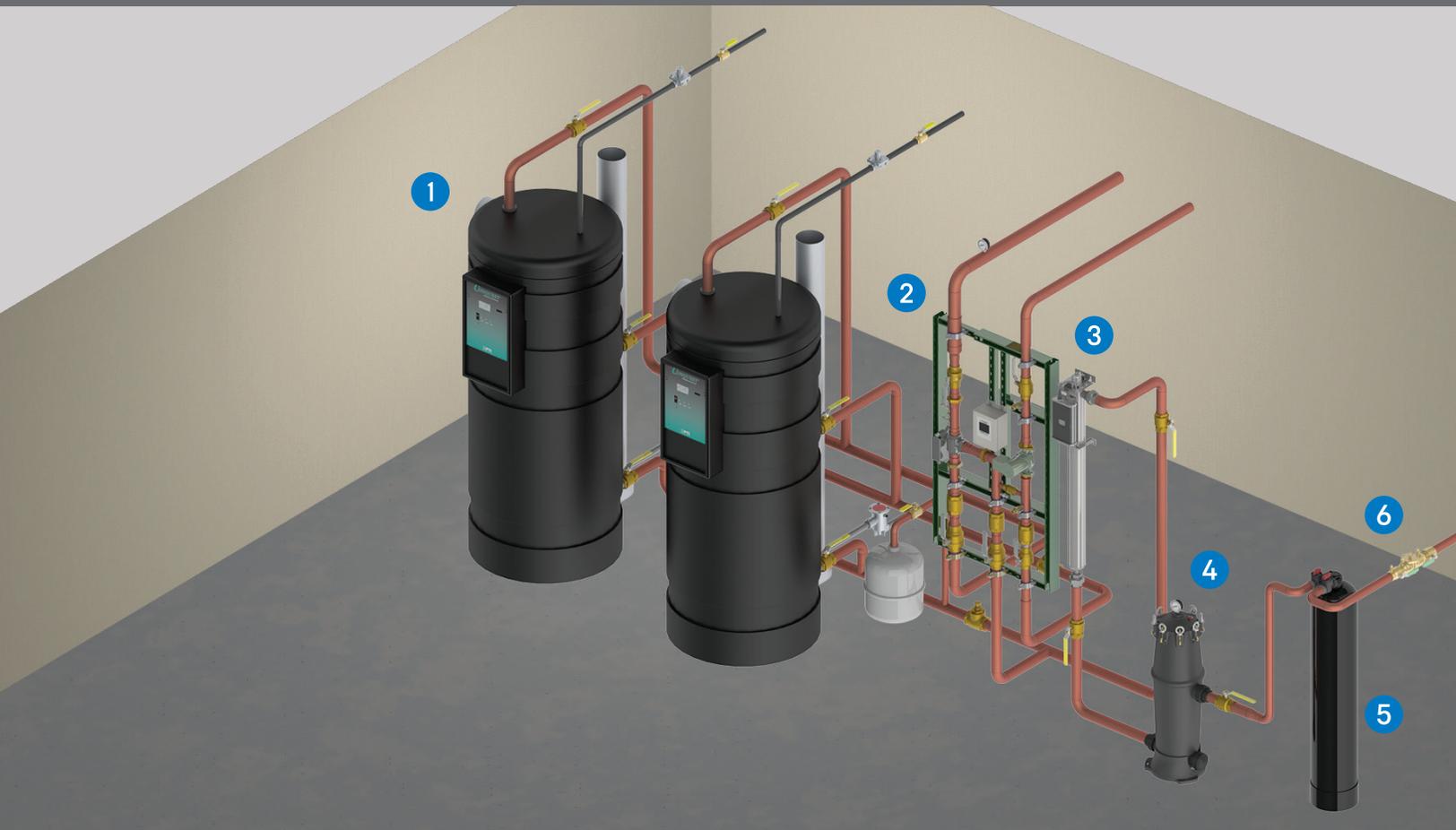
- Avoid lost revenue and property damage due to undetected leaks, equipment faults and downtime
- Increase reliability, product life and energy savings
- Fix potential issues before they become a problem and reduce labor costs from emergency service calls
- Optimize system performance and prevent unnecessary wear-and-tear/premature failure of your equipment



\*energies "Energy Consumption Analysis and Characterization of Healthcare Facilities in the United States"

# Small Facilities

Urgent Care Centers, Free-standing Emergency Departments, Ambulatory Surgery Centers, Physician Clinics, Diagnostic Centers, Critical Access Hospitals



## Domestic Hot Water

1. PVI Conquest® water heater
2. Powers IntelliStation® digital mixing system

## Watts Water Treatment

3. SmartStream™ UV disinfection
4. Big Bubba® water filtration
5. OneFlow® anti-scale
6. Backflow Preventer

PVI's high efficiency Conquest water heaters are ideal for smaller healthcare facilities which may have lower or variable domestic hot water loads that require consistent hot water service during peak demands. Paired with Watts, IntelliStation and water quality products, the system will provide safe, reliable hot water  $\pm 2^{\circ}\text{F}$  helping to mitigate risks of scalding and Legionella.

# Long-Term Care Facilities

Nursing Homes, Assisted Living, Independent Living, Retirement Communities



## All-in-One Water Heating and Wellness

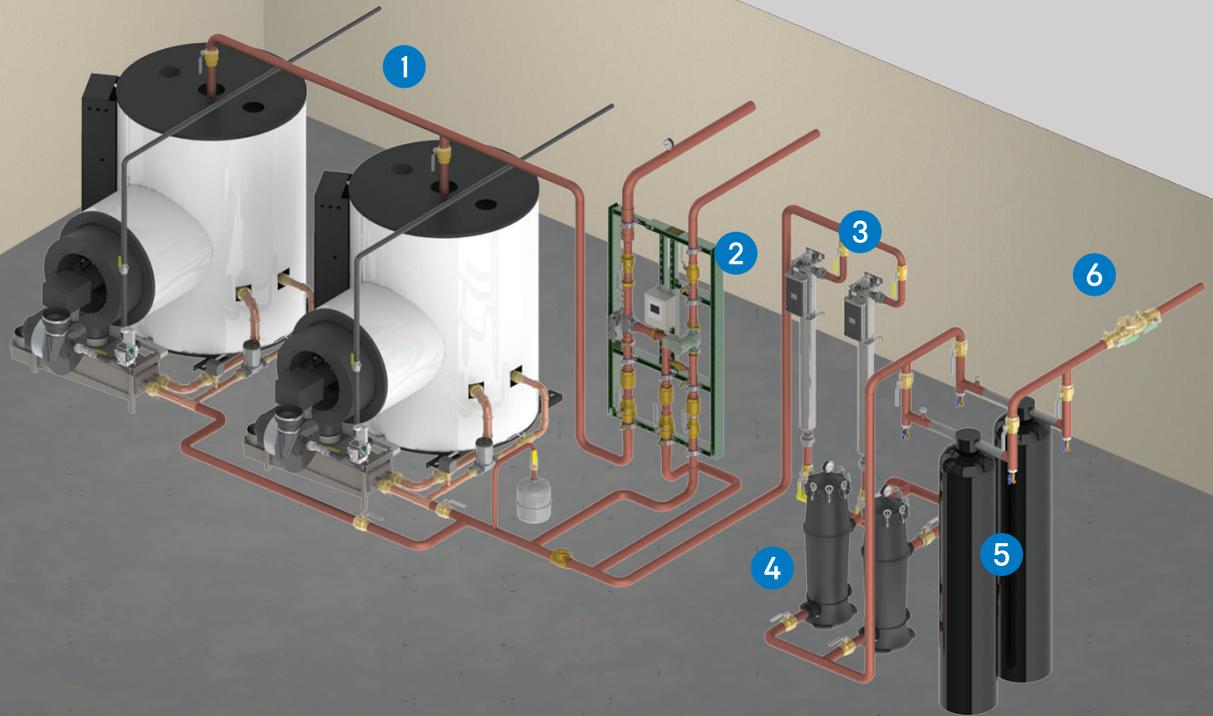
1. Lync Element® Q
  - a. High efficiency water heater
  - b. UV disinfection
  - c. AquaSolve® anti-scale treatment
  - d. Sediment filtration
  - e. DigiTemp® digital mixing valve
  - f. Edge® Supervisory Controller
2. Watts Backflow Preventer

Lync's Element Q provides energy-saving water heating, pathogen mitigation and water quality in one compact, smart appliance.

Featuring remote monitoring and real-time data reporting across devices, Element Q helps water management teams control, manage and maintain high regulatory standards in their building's domestic hot water. It also supports compliance with the CMS (Center for Medicare and Medicaid Services) and Joint Commission requirements for water management plans as well as ASHRAE 188.

**Supports compliance with ASHRAE 188**

# Hospitals



## Domestic Hot Water

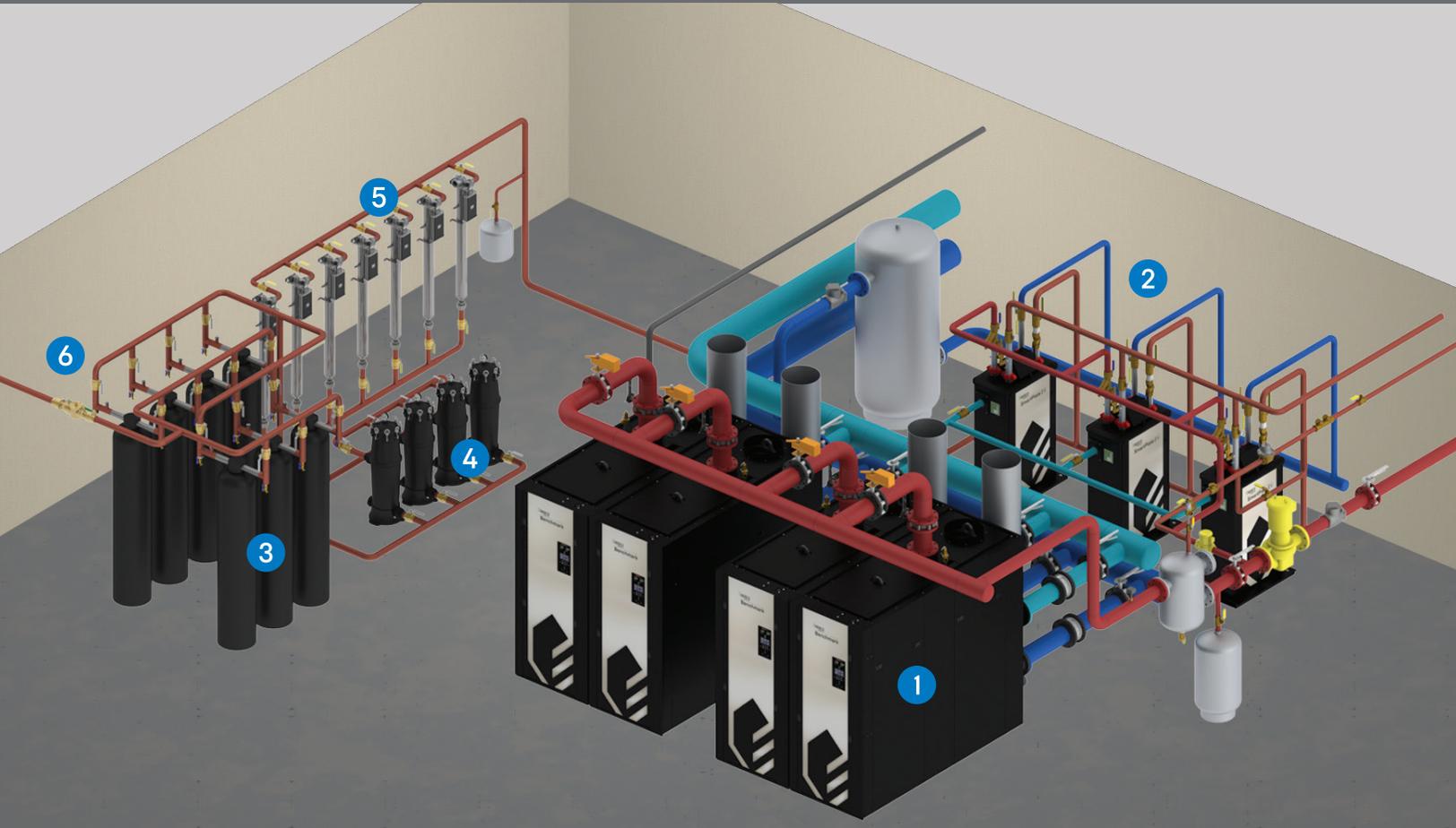
1. PVI Turbopower® water heaters
2. Powers IntelliStation digital mixing system

## Watts Water Treatment

3. SmartStream UV disinfection
4. Big Bubba water filtration
5. OneFlow anti-scale
6. Backflow Preventer

Long-term care facilities usually need a larger system to deliver higher domestic hot water loads for rooms, kitchens and laundry facilities. PVI's Turbopower 96 water heaters, Watts IntelliStation and water treatment are ideal for long-term healthcare facilities, easily handling the required loads and also offering dual fuel capabilities.

# Hospitals



## Space Heating

1. AERCO Benchmark® boilers

## Domestic Hot Water

2. AERCO SmartPlate® EV water heaters

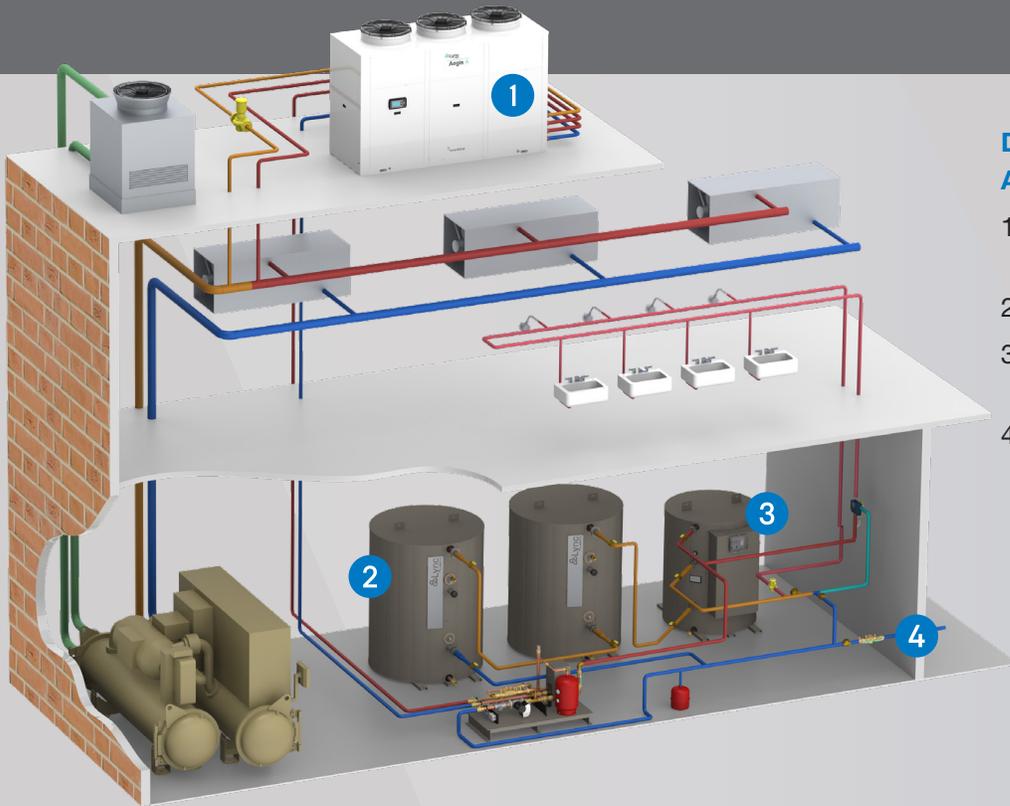
## Watts Water Treatment

3. OneFlow anti-scale
4. Big Bubba water filtration
5. SmartStream UV disinfection
6. Backflow Preventer

AERCO's Benchmark boiler and SmartPlate EV water heater combination plant is perfect for hospitals and large research facilities which need space heating and domestic hot water. These high efficiency boilers and water heaters provide significant energy savings as well as a separate smaller steam system for humidification and sterilization if needed.

Pair with Watts OneFlow anti-scale, Big Bubba filtration and SmartStream UV to improve water quality, mitigate pathogens and extend product life.

# Electrification/Decarbonization

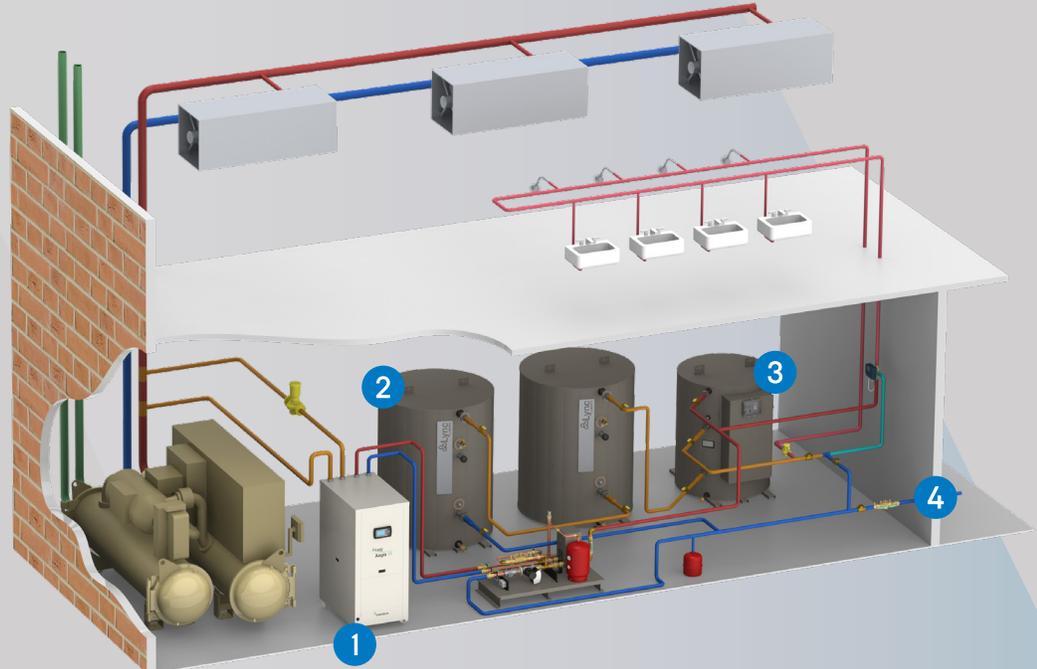


## Domestic Water Heating: Aegis A - Air Source with Cool Recovery

1. Lync Aegis® A - air source heat pump water heater
2. Lync storage tank
3. Lync Bolt® electric water heater storage tanks
4. Watts Backflow Preventer

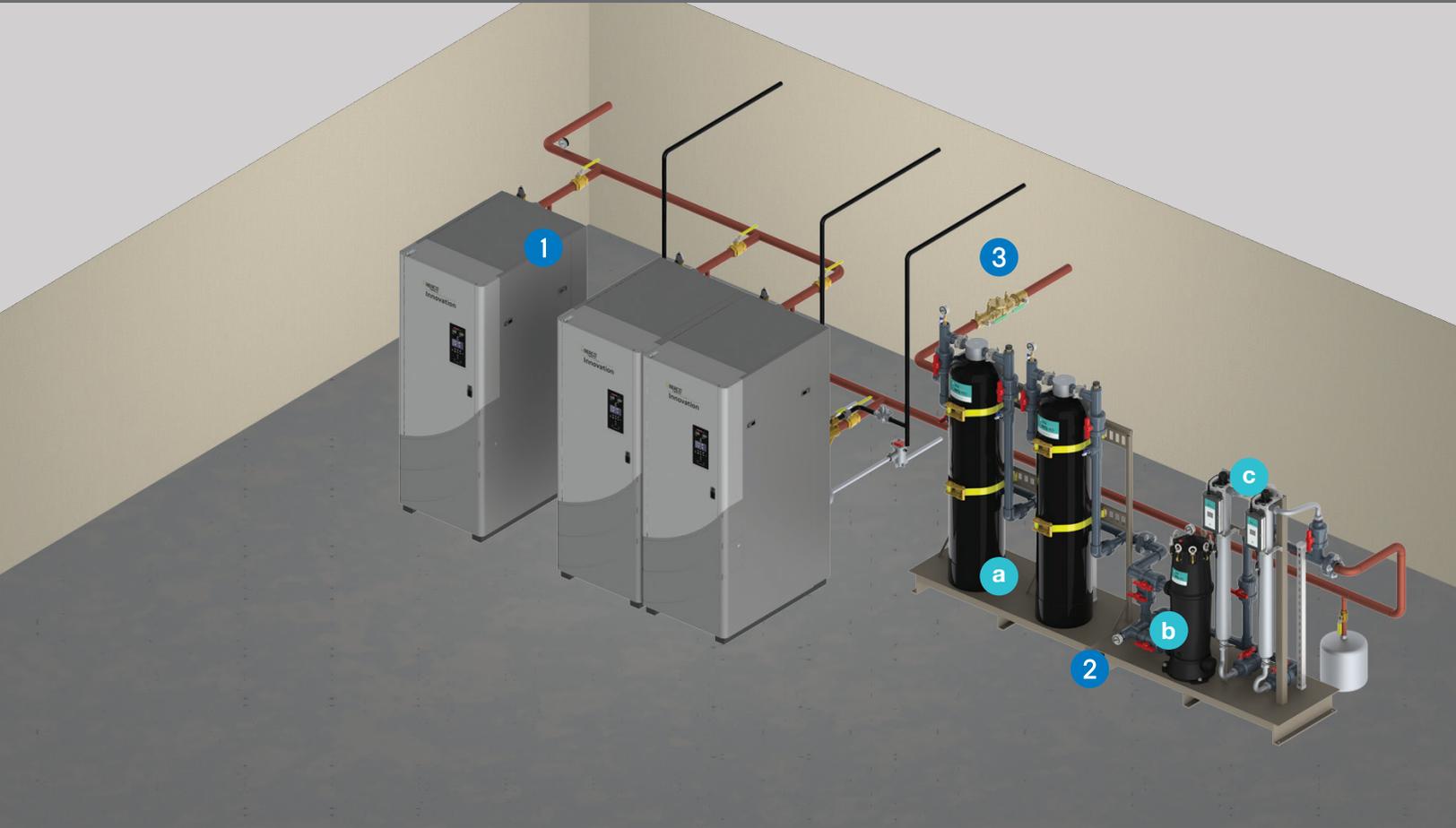
## Domestic Water Heating: Aegis W - Water Source

1. Lync Aegis W - water source heat pump water heater
2. Lync storage tank
3. Lync Bolt electric water heater storage tanks
4. Watts Backflow Preventer



Aegis electric CO<sub>2</sub> heat pump water heaters are ideal for electrification / decarbonization projects. Powered by natural refrigerant R744, better known as refrigerant-grade CO<sub>2</sub>, Aegis heat pumps are one of the cleanest, most efficient and environmentally friendly ways to heat domestic water. R744 is non-toxic, non-flammable, has an ODP (Ozone Depletion Potential) of zero and a low GWP (Global Warming Potential) of one. R744 also outperforms other common refrigerants, like R134a and R410a, making Aegis a better, longer-lasting and more sustainable solution.

# Retrofit Applications



## Domestic Hot Water

1. AERCO Innovation® water heaters

## Water Treatment

2. Lync WQ-AS:
  - a. AquaSolve anti-scale treatment
  - b. Anti-sediment filtration
  - c. UV disinfection
3. Watts Backflow Preventer

In addition to the domestic hot water needs in long-term care facilities, many employ hydronic space heating systems to guarantee consistent resident comfort.

AERCO Innovation water heaters are an ideal option for retrofit projects because of their compact footprint and energy savings. Pair it with the Lync WQ-AS to improve your system's water quality, keep patients safe from waterborne pathogens like Legionella and help prolong the life of your equipment.

# Heating and Hot Water Solutions



AERCO semi-instantaneous and tankless water heaters and condensing high efficiency boilers



PVI storage and semi-instantaneous AquaPLEX® duplex stainless steel water heaters



Lync engineered pre-assembled water heating and water quality system solutions



The Detection Group Wireless Leak Detection



Watts Radiant® and SunTouch snow melting systems



Powers IntelliStation digital mixing systems

# Water Management



Watts SmartStream UV disinfection systems



Watts OneFlow anti-scale systems



Watts Big Bubba filtration systems



Watts and BLÜCHER pipes, drains and carriers



Watts Backflow Preventers



Watts iDROSET Flow Measurement and Balancing Valve for Hydronic Systems

## Watts Family of Brands

With more than 150 years of industry expertise, Watts offers a broad portfolio of innovative heating, plumbing, and water quality solutions. Watts' complete heating and water management solutions help improve the comfort and well-being of patients and medical personnel by providing safe, reliable hot water on demand. Our energy-saving systems and extensive nationwide network of factory-authorized service technicians will provide you with peace of mind by delivering increased efficiency, reliability, and reduced cost of ownership.

For more information, please contact [healthcaresolutions@wattswater.com](mailto:healthcaresolutions@wattswater.com).



USA: Tel: (713) 943-0688 • Fax: (713) 944-9445 • [Watts.com](http://Watts.com)

Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • [Watts.ca](http://Watts.ca)

Latin America: Tel: (52) 81-1001-8600 • [Watts.com](http://Watts.com)