




GLOBAL EXPERTISE FOR THE HEALTHCARE INDUSTRY



INTELLIGENT THERMAL UTILITY SYSTEM SOLUTIONS FOR YOUR INPATIENT, OUTPATIENT AND LONG-TERM CARE FACILITIES, WORLDWIDE.

Throughout the world, healthcare organizations of all sizes turn to Armstrong as their trusted thermal utility partner. As global leaders in energy management, we understand the complex issues you face every day. Our expertise encompasses the processes, systems and requirements that are vital to your ability to deliver outstanding patient care. Solving your problems and making things easier for you is the reason we're here.

BUILT FOR THE HEALTHCARE INDUSTRY'S MOST DIFFICULT CHALLENGES.

Armstrong provides state-of-the-art products, integrated systems and sustainable solutions for inpatient, outpatient and long-term care facilities. Our durable equipment and advanced technology consistently demonstrates unparalleled value and improved utility performance in mechanical and boiler rooms, sterile processing departments, washing and laundry facilities, and kitchens of healthcare institutions of all sizes.

ARMSTRONG DOES IT ALL.

We can optimize your current thermal utility infrastructure, as well as design and implement complete, optimal systems for your new or existing facilities. Our on-site specialists will work with you on day-to-day maintenance, repair and overhaul activities to keep everything running smoothly and efficiently.

For more information, or to find an Armstrong representative near you, visit armstronginternational.com/healthcare.

ON THE FOREFRONT OF TECHNOLOGY AND INNOVATION

Often the first to market, Armstrong holds more than 70 patents on exceptional products and software. Armstrong invented the Inverted Bucket Steam Trap. We introduced digital water temperature control to the world with The Brain®, then we made it smarter, easier and even more connected with The Brain® DRV25. We brought you SAGE®, the most advanced monitoring and documentation software available. Our automatic steam quality monitoring is quicker, safer, more accurate. These are just a few of the many state-of-the-art tools found only at Armstrong.

ABOUT ARMSTRONG INTERNATIONAL

Founded in 1900, Armstrong International is a privately held, fifth-generation, family-owned company. Our unique heritage of knowledge, experience and insight reaches back more than a century, enabling us to serve you in ways no one else can.

INCREASE SAFETY AND COMFORT FOR YOUR PATIENTS AND STAFF

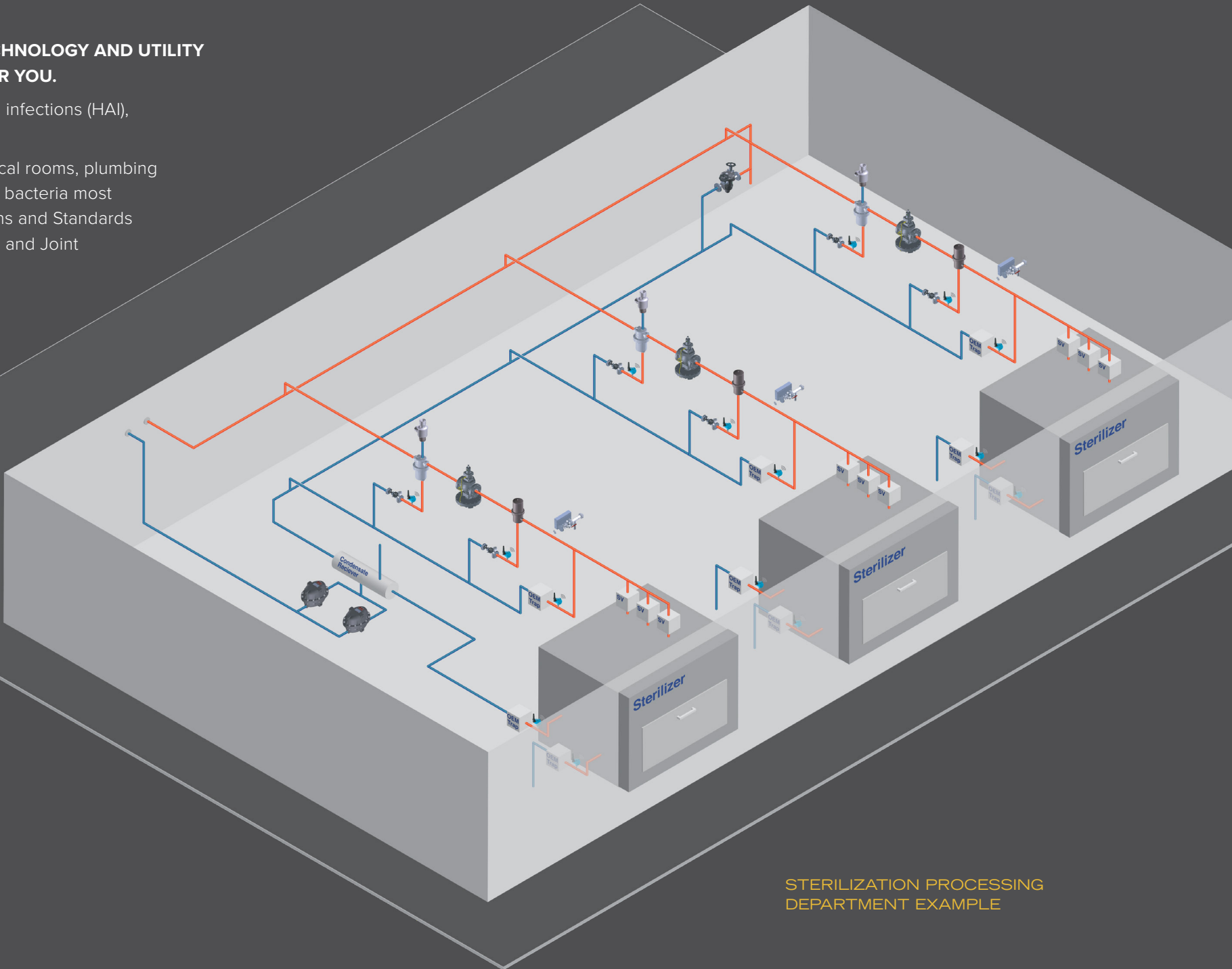
ARMSTRONG’S INDUSTRY-LEADING PRODUCTS, ADVANCED TECHNOLOGY AND UTILITY SYSTEM PACKAGES ARE BETTER FOR PATIENTS AND BETTER FOR YOU.









To reduce risks for Legionella, airborne bacteria and hospital-acquired infections (HAI), turn to Armstrong.

Our specialists will work with you to address critical issues in mechanical rooms, plumbing systems, hot water tanks and heaters—where incubation of Legionella bacteria most commonly occurs. We’re experts in helping you comply with regulations and Standards of Care, such as CMS, OSHA, ASHRAE, VA, World Health Organization and Joint Commission Environment of Care.

MORE AND BETTER WAYS TO ENSURE PATIENT SAFETY.

Armstrong’s experts will help you establish best practices for: preventing scalding, wetpacks and static discharge; fulfilling requirements for sterilization and autoclaves, reverse osmosis, dialysis, endoscope reprocessing, cart washing; and improving humidity levels and air quality.



	AIR VENT / VACUUM BREAKER		STEAM QUALITY METER
	INVERTED BUCKET STEAM TRAP		STEAM SEPARATOR
	PRESSURE REDUCING VALVE		STEAM TRAP MONITORING
	PUMPING TRAP		STEAM FILTER

STERILIZATION PROCESSING
DEPARTMENT EXAMPLE

ASHRAE Guideline 12-2000

4.1.6 **RECOMMENDED TREATMENT**

Hot water stored above 140°F (60°C), minimum recirculated return 124°F (51°C).

ASHRAE Standard 188-2015

6.1.7 **DOCUMENTATION & RECORDKEEPING**

Establish documentation and maintain records.

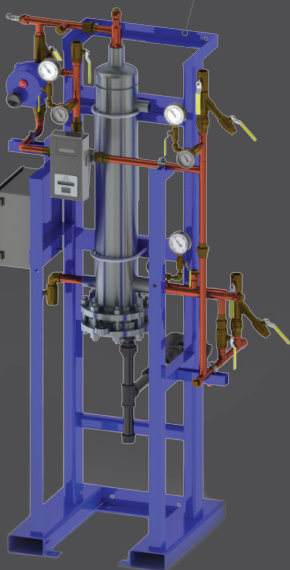
STANDARDS OF CARE TO REDUCE RISKS OF LEGIONELLA AND SCALDING

A Standard of Care is defined as acknowledged applicable laws, standards and guidelines. Following the appropriate Standard of Care can minimize the risk of Legionella-related illness and scalding injuries.

OSHA (1998), Joint Commission Environment of Care (2001), ASHRAE Guideline 12-2000, ASHRAE Standard 188-2015 and VA Directive 1061 (2014) are Standards of Care which include critical recommendations for establishing and monitoring hot water system temperature control limits.

LEGIONELLA AND LEGIONNAIRES' DISEASE

Legionella is a type of bacteria that can cause a severe, often lethal form of pneumonia known as Legionnaires' disease in persons at risk. Within the last decade, Legionnaires' disease has been reported throughout the world. Outbreaks have been linked to buildings with large or complex water systems that are improperly maintained. The potable water systems of hospitals, nursing homes, and other facilities are major sources of Legionella, and it is most often found in hot water tanks and heaters, large plumbing systems, faucets and showers, hot tubs, whirlpool spas, decorative fountains and water features, and cooling towers (air conditioning units).



ASHRAE Standard 188-2015

6.1.3 **CONTROL LIMITS**

Establish limits within which a chemical or physical parameter must be monitored and maintained.

ASHRAE Standard 188-2015

6.1.4 **MONITORING**

Establish a system for monitoring the parameters associated with the control limits established in 6.1.3.













IMPROVE UTILITY PERFORMANCE, EFFICIENCY AND ENERGY SAVINGS

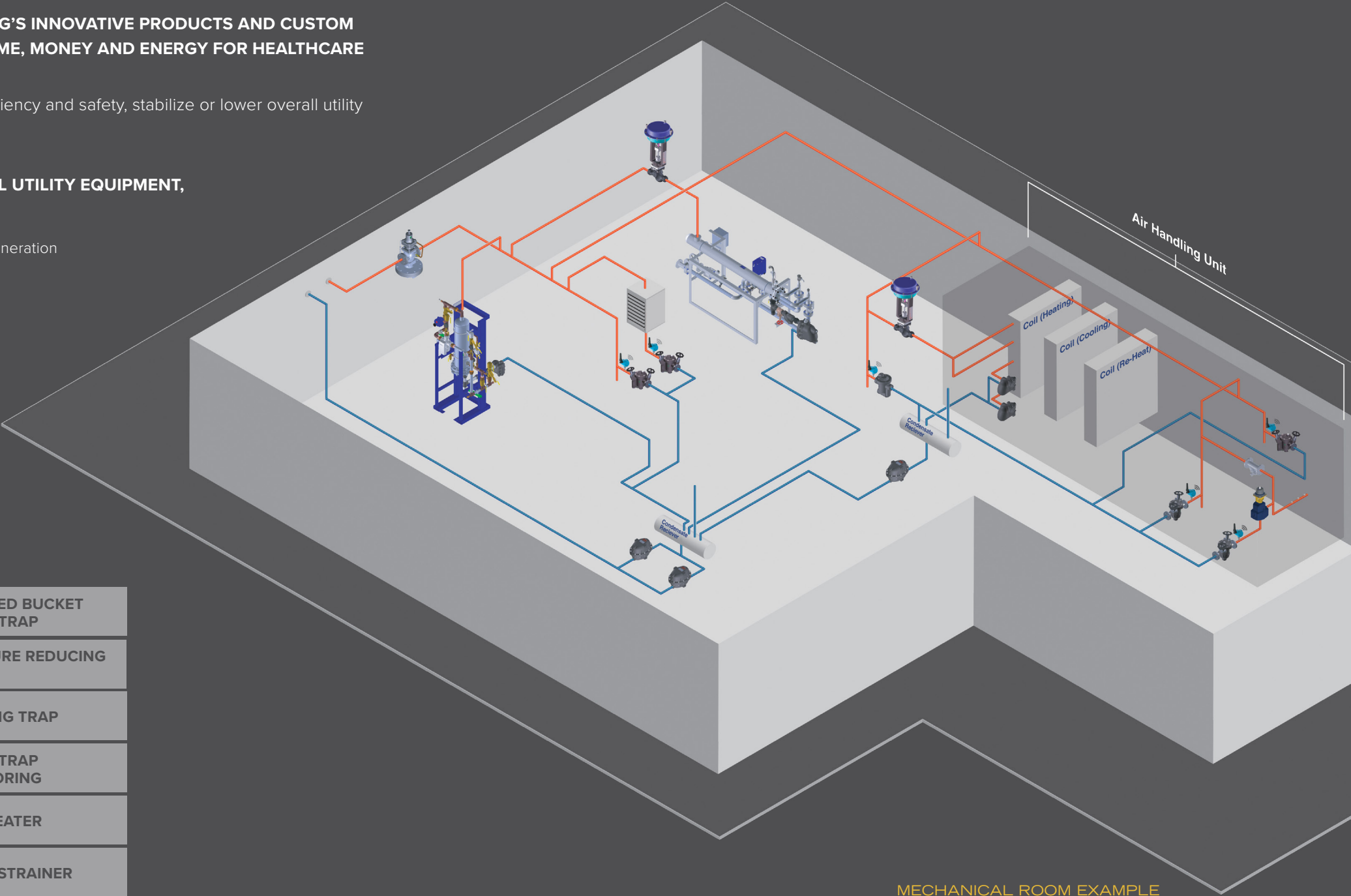
IN MORE THAN 100 COUNTRIES, ARMSTRONG'S INNOVATIVE PRODUCTS AND CUSTOM SOLUTIONS ARE HARD AT WORK, SAVING TIME, MONEY AND ENERGY FOR HEALTHCARE INSTITUTIONS JUST LIKE YOURS.

Our experts can show you how to maximize efficiency and safety, stabilize or lower overall utility costs and achieve goals for reducing emissions.

WE OFFER A COMPLETE RANGE OF THERMAL UTILITY EQUIPMENT, TOOLS AND SERVICES.

- Instantaneous and semi-instantaneous hot water generation
- Digital water temperature control
- Automatic steam quality monitoring
- Precision-controlled humidification
- Effective steam trapping and condensate removal
- Leading-edge software for smart steam and hot water system management
- Wireless steam trap monitoring in real time
- Complete, on-site operation and maintenance of your utilities

	CONTROL VALVE		INVERTED BUCKET STEAM TRAP
	DIGITAL RECIRCULATING VALVE		PRESSURE REDUCING VALVE
	DOMESTIC HOT WATER HEATER		PUMPING TRAP
	FLOAT AND THERMOSTATIC TRAP		STEAM TRAP MONITORING
	HUMIDIFIER		UNIT HEATER
	HW HEATERS FOR BUILDING HEATING		Y-TYPE STRAINER



MECHANICAL ROOM EXAMPLE















MONITORING, MEASURING AND AUDITING THAT DELIVERS WORLD-CLASS ACCURACY

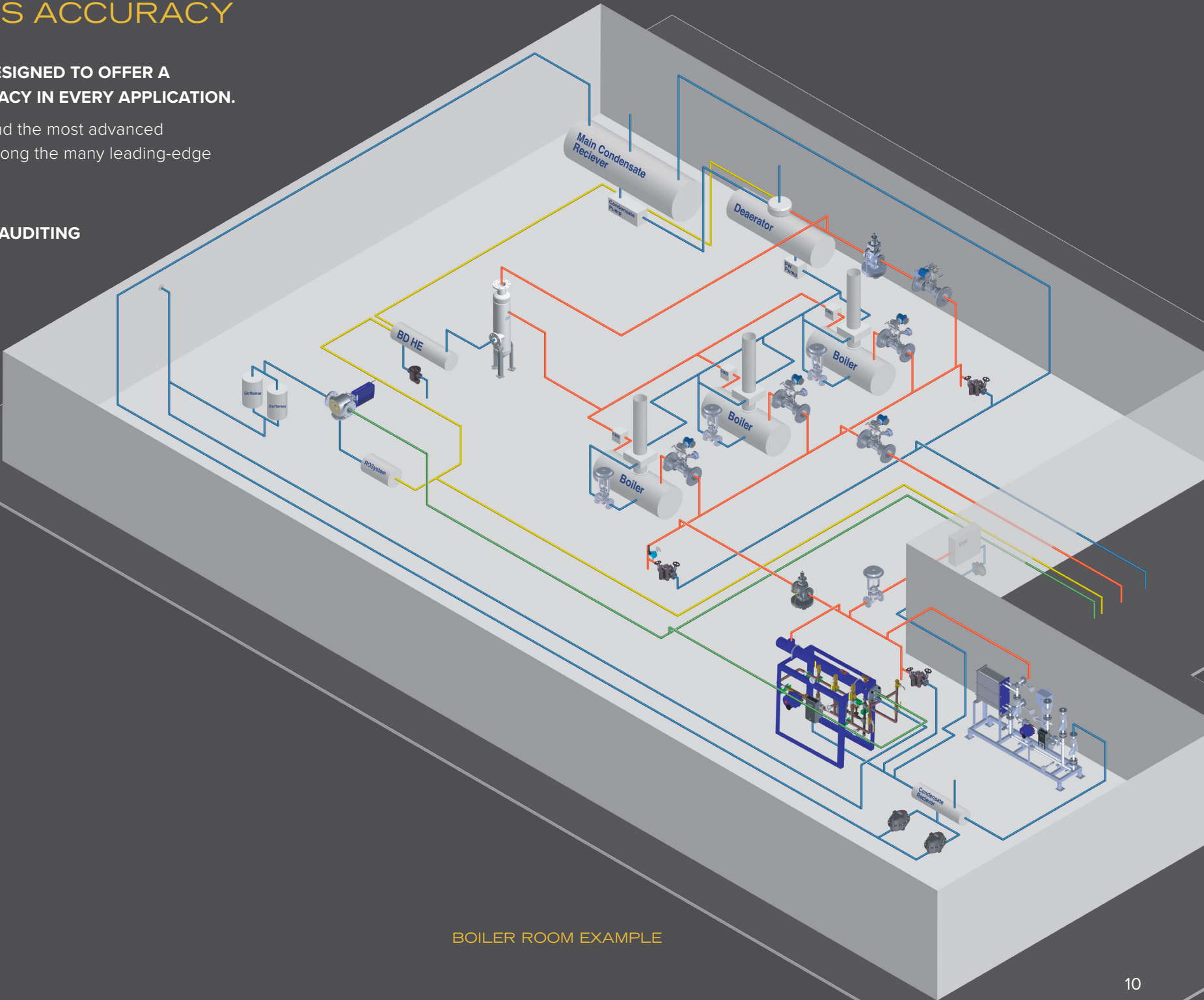
OUR STATE-OF-THE-ART EQUIPMENT AND TECHNOLOGY IS DESIGNED TO OFFER A CONSISTENTLY SUPERIOR LEVEL OF RELIABILITY AND ACCURACY IN EVERY APPLICATION.

Quicker, safer, more accurate automatic steam quality monitoring and the most advanced monitoring and documentation software available anywhere are among the many leading-edge products and tools available only at Armstrong.

ARMSTRONG PROVIDES THE MONITORING, MEASURING AND AUDITING SOLUTIONS YOU NEED.

- Automatic steam quality monitoring for proper sterilization
- Wireless, real-time steam trap monitoring
- Flow meters for gas, water and steam
- Smart steam and hot water system monitoring, measuring and documentation to help you comply with regulations and standards of care
- Automatic, wireless, handheld steam trap testing

	AIR HEATING COILS		FLOAT AND THERMOSTATIC TRAP
	BACK-PRESSURE CONTROL VALVE		FLOW METER
	DIGITAL WATER TEMPERATURE CONTROL VALVE		HW HEATERS FOR BUILDING HEATING
	DIGITAL RECIRCULATING VALVE		INVERTED BUCKET STEAM TRAP
	DOMESTIC HOT WATER HEATER		PRESSURE REDUCING VALVE
	FEED WATER CONTROL VALVE		PUMPING TRAP
	FLASH TANK		STEAM TRAP MONITORING



BOILER ROOM EXAMPLE

RELIABLE, HARDWORKING PRODUCTS

ARMSTRONG'S PRODUCTS ARE ENGINEERED TO WORK TOGETHER AS THEY PROVIDE OUTSTANDING PERFORMANCE, LONGEVITY AND VALUE.

From single, state-of-the-art products to complete, customized, fully integrated systems, we have the intelligent solution you need.

WE HAVE MORE FLEXIBILITY TO TAILOR SOLUTIONS TO YOUR REQUIREMENTS.

Armstrong's products and services can be customized to meet your needs for: sterilization and autoclaves, reverse osmosis, dialysis, endoscope reprocessing, cart washing, compliance and regulations, and more.

DOMESTIC HOT WATER GENERATION AND DIGITAL WATER TEMPERATURE CONTROL

Armstrong's hot water solutions are designed to reduce risks for the growth and spread of Legionella and other opportunistic pathogens in building water systems, while preventing injuries from scalding. We can help you meet ASHRAE and other industry standards with hardware to guide your compliance, and software that enables you to prove it with accurate monitoring and documentation. The Brain® and SAGE® are the first barriers to Legionella and essential to the prevention of Legionnaires' disease.

THE BRAIN® DIGITAL RECIRCULATING VALVE (DRV)

Engineered exclusively for recirculating hot water systems, The Brain® simplifies your hot water system to deliver unsurpassed accuracy, stability and safety, while offering a program to promote compliance with recommended Legionella guidelines. As a stand-alone DRV or a pre-piped digital mixing center, The Brain® improves the performance of hot water systems that use all types of water heating technologies.

PERFORMANCE

- +/- 2°F / 1°C control
- 1°F / 1°C minimum system temperature loss

FEATURES

- Component self-diagnostics
- Programmable set point and alerts
- Programmable thermal disinfection

SAFETY

- Over temperature shutoff
- Power failure shutoff
- Emergency mode





SAGE® SMART HOT WATER SYSTEM MONITORING AND DOCUMENTATION

This fully integrated software tool brings you the next level in smart hot water system monitoring and reporting. SAGE® works seamlessly with all our real-time monitoring products, including The Brain®, as it analyzes data to track behavior and performance—ensuring a consistent supply of hot water at precision-controlled temperatures, as well as full compliance with CMS, ASHRAE, VA and World Health Organization hot water system safety guidelines and requirements. By providing regular updates and real-time alerts, SAGE® keeps you informed, 24 hours a day.

SAGE® offers simple, effective monitoring, logging and remote alerting of key temperature control components of a hot water system safety risk management plan, for a modest monthly fee.

FEATURES

- Dashboard monitoring in real time
- Secure remote programming you control
- Multi-location view of all properties, simultaneously or filtered
- Temperature and system diagnostic alerts in real time
- Digital documentation and recordkeeping, retain as needed

CONNECTIVITY

- Integral Modbus RTU interface (The Brain®)
- SAGE® building system interface module
- Web-enabled
- Modbus, BACnet™ and LonWorks



EMECH® DIGITAL WATER CONTROL VALVES

Emech® delivers and maintains water at precisely the desired temperature (+/-1°F, +/-0.5°C)—hot or chilled—immediately on demand. It ensures a consistent supply of water at the precision temperatures required for applications such as reverse osmosis, dialysis, endoscope reprocessing and cart washing. Compared to traditional systems, Emech® offers a superior performance for speed, precision and reduced mechanical wear.

DIGITAL-FLO® INSTANTANEOUS AND SEMI-INSTANTANEOUS WATER HEATERS

Armstrong's industry-changing series of water heaters achieves a level of hot water system temperature control accuracy previously considered unattainable. All Digital-Flo® Water Heaters feature our revolutionary digital water temperature control technology, The Brain® Digital Recirculating Valve (DRV), and come SAGE®-enabled.

Digital-Flo® is available in Steam to Water, Steam to Water Vertical, and Boiler Water to Water solutions.

THE BRAIN® AND SAGE®

SAGE® works seamlessly with The Brain® as it analyzes data to track behavior and performance as an integral component of a hot water system operation protocol which complies with a Standard of Care that minimizes risks of scald injury, Legionella-related illness and other hospital-acquired infections, and the associated litigation. Regular updates and real-time alerts keep you fully informed, 24 hours a day, helping to ensure compliance with VA, ASHRAE and WHO guidelines. Armstrong's digital hot water solutions are all available SAGE®-enabled.

DIGITAL-FLO® AND THE BRAIN®, WITH SAGE®

Combining our tankless hot water generation (Digital-Flo®) and our temperature control hardware (The Brain®) with our cloud-based, smart monitoring and documentation software tool (SAGE®) results in a complete, factory-integrated hot water system solution—found only at Armstrong.

STEAM AND CONDENSATE MANAGEMENT

Armstrong has more than a century of in-depth expertise, enabling us to manage your steam and condensate requirements more effectively than anyone in the world. Our specialists can help you monitor steam traps and steam dryness fraction; ensure that your steam traps are properly sized, selected and in working order; and deaerate and maintain condensate at appropriately high temperatures.

STEAM QM®-1 AUTOMATIC STEAM QUALITY MONITORING

Steam quality plays a crucial role in the sterilization process, making it essential for patient safety and reducing hospital-acquired infections. Quicker and consistently more reliable and accurate than manual methods, Steam QM® -1 provides continuous steam quality measurement data trending over time. By automatically detecting the dryness fraction of steam entering autoclaves, Steam QM® -1 enables you to maintain the steam quality necessary to ensure proper sterilization.

Steam QM® -1 also helps prevent pitting of instruments as well as dangerous wet packs that can stop or delay surgery, costing hospitals and physicians time and money and creating an infection risk for patients.



STERILIZATION/AUTOClave APPLICATIONS

Armstrong offers a complete array of state-of-the-art equipment and solutions for your sterilization and autoclave applications, such as: wireless monitoring for steam traps (AIM®, SteamEye®), and filtration for clean steam in sanitary applications (ASF steam filters), as well as separators, condensate controllers, PRV stations, and control valves.

SAGE® SMART STEAM SYSTEM MONITORING AND DOCUMENTATION

SAGE® keeps you fully informed, 24 hours a day with regular updates, precise documentation, custom-filtered reports, and real-time alerts notifying you of any problems. SAGE® works seamlessly with our real-time monitoring products including SteamEye® and AIM®, ensuring that it always has access to the most current data.

This powerful software calculates steam loss data and reports it using our proprietary steam system efficiency methodology. The Armstrong methodology has been approved by the United Nations Framework Convention on Climate Change (UNFCCC), and ours is the first efficiency methodology to be approved for international trading of resultant carbon dioxide (CO2) emissions credits under the Kyoto Protocol.

SAGE® WORKS HARDER TO MAKE YOUR LIFE EASIER.

- Survey steam traps quickly and accurately with SAGE UMT™ and SAGE® Mobile
- Maximize your equipment's reliability, efficiency and safety
- Customizable user experience
- Accessible on tablets, laptops and PCs
- Real-time dashboard monitoring
- Multi-location views

SAGE UMT™—WIRELESS, HANDHELD TRAP TESTER

Testing steam traps is as simple as pressing a button with Armstrong's SAGE UMT™. Our state-of-the-art, automated testing device eliminates human error and requires no technical knowledge, making it easy to survey your steam trap population quickly and accurately, on a regular basis.

Armstrong's SAGE UMT™ syncs wirelessly to the SAGE® Mobile app on your smartphone or tablet. SAGE® Mobile then delivers your steam trap information directly to SAGE® Smart Utility System Management platform, eliminating the need to manually enter survey information or decipher illegible field notes.

SAGE UMT™ GIVES YOU THE ADVANTAGE.

- | Detects traps in good, cold and blow-through condition
- | Piezoelectric acoustic sensor, developed and tuned specifically for the unique conditions found in steam traps
- | Non-contact infrared temperature sensor
- | RFID technology significantly reduces the time required to locate and identify traps
- | SAGE UMT™ works seamlessly with SAGE® Mobile and SAGE® Smart Utility System Management platform
- | Data is uploaded to the cloud by SAGE® for secure storage and automated backups
- | Customers own their own data
- | Lifetime upgrades for SAGE UMT™ firmware at no charge



WIRELESS STEAM SYSTEM MONITORING

Our superior, groundbreaking solutions provide real-time monitoring of your critical steam trap population. You receive instantaneous notifications of any problems, enabling you to repair or replace failed traps before they create serious steam quality issues.

Both SteamEye® and AIM® can communicate with SAGE®, allowing the user to continuously monitor critical traps and survey the entire trap population, all in the same database.

- **AIM® (Armstrong Intelligent Monitoring)**—This wireless monitoring technology is built on the WirelessHART and ISA-100 communications protocols, which continuously monitors and evaluates the operating condition of steam traps and other critical equipment in your system. AIM® provides instantaneous notification in the event of steam trap or critical equipment failure.
- **SteamEye®**—SteamEye® uses a proprietary wireless transmitter mounted at the inlet of any type of steam trap to detect temperature and ultrasonic fluctuations in steam flow. In the event of steam trap failure, a signal is sent to a central receiver, alerting system operators that maintenance is required.



EFFECTIVE STEAM TRAPPING

Armstrong steam traps are designed for energy efficiency, minimal steam loss, corrosion resistance and long, dependable service. We offer a complete range of steam traps including: inverted bucket steam traps, bimetallic super heat steam traps, clean steam thermostatic steam traps, disc steam traps, dual orifice steam traps, float and thermostatic steam traps, radiator traps, trap valve stations and more.



CONDENSATE MANAGEMENT

Armstrong offers a full range of condensate recovery and management products and solutions, including pumps. We can help you reduce costs for: fuel and energy, boiler water makeup and sewage treatment, and boiler water chemical treatment.



HUMIDIFICATION AND CONDITIONED STEAM EQUIPMENT

Armstrong provides leading-edge design, manufacturing and application of humidification and conditioned steam equipment for healthcare organizations of all sizes. Our energy-efficient, cost-effective solutions consistently deliver the clean, reliable, precisely controlled humidification necessary for reducing static discharge and airborne bacteria, which can ultimately lead to fewer infections and increased safety for patients.

HUMIDICLEAN™ HUMIDIFIERS

HumidiClean™ electric and gas-fired humidifiers feature replaceable, ionic bed inserts. This remarkable technology provides more efficient and safe operation, increased energy savings, and close to maximum output throughout their service life.



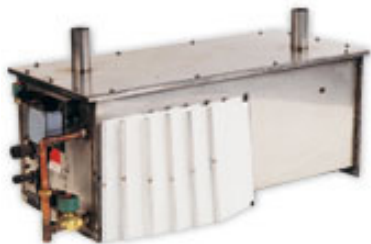
HUMIDIPACK® STEAM DISPERSION PANELS

This prefabricated steam humidifier system is ready for insertion in the duct. Armstrong HumidiPack® offers simplified installation, corrosion-resistant stainless steel, reduced heat gain to duct air, and compatibility with many steam sources. The HumidiPack® Family includes a variety of sizes and configurations to meet new installation or retrofit needs.



SERIES CS STEAM-TO-STEAM HUMIDIFIERS

Armstrong's Series CS steam-to-steam humidifiers use existing boiler steam to produce clean, economical steam from untreated water. Features include: ionic beds, heavy-duty construction, in-line strainer, and safety features that protect against damage in the event of failure.

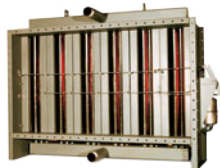


EXTENDED HEAT TRANSFER (COILS) EQUIPMENT FOR AIR AND GAS TREATMENT

Armstrong’s exceptional flexibility and expertise enables us to custom design and build heat transfer equipment for all forms of air and gas treatment, according to your exact needs. We manufacture unit heaters, door heaters, air cooled heat exchangers, tank heaters and more—in a wide variety of metals and alloys, including steel, stainless steel, copper and aluminum. Armstrong consistently maintains tight quality control measures, ensuring the long life of our dependable, hardworking products.

DURAMIX™ FACE AND BY-PASS HEATING COILS

Armstrong Duramix™ heating coils control air temperature while operating at full steam pressure. Once set, the desired leaving-air temperature is maintained by Duramix™ regardless of variations in the temperature of entering air. Simple yet effective, Duramix™ heating coils are easy to install and maintain.



DURALITE™ PLATE FIN COILS

Armstrong is a full-line coil supplier with application knowledge and experience you’ll find nowhere else. Our plate fin coils meet the diverse needs of the HVAC and light-industrial markets.



UNIT AND DOOR HEATERS

Built for long-lasting performance, corrosion resistance, and a trouble-free service life, Armstrong unit heaters deliver high efficiency and output, even in harsh operating environments.



THE BENEFITS ARE MEASURABLE

- Heavy-duty enclosures
- Corrosion-resistant heating cores
- Standard NEMA frame TEFC ball bearing motors; enclosed to lock out dirt
- Thick fins and tubs, constructed of high strength, corrosion-resistant materials
- Cost-effective solutions, customized to your needs

FEATURES

- Heavy duty construction for long lasting service
- Easy to install
- Maximum freeze protection
- Accurate temperature control
- Consistent leaving-air temperature
- Full range of materials and coatings for the application
- Welded tube to header joint (not brazed)
- 1" O.D. tube diameter to operate at low pressure 0 – 10 psig

FLOW MEASUREMENT TECHNOLOGY

Armstrong’s state-of-the-art flow measurement technology delivers exceptional accuracy and reliability. We offer a full line of differential pressure flow elements and vortex meters, including VERIS Accelabar®—our proprietary meter that doesn’t require any straight pipe lengths for installation. Other flow measurement solutions include the Armstrong ASME Flow Nozzle and Armstrong Orifice Plate.

VERIS ACCELABAR®

In a class of its own, this highly accurate flow measurement device has a patented no-straight-pipe installation requirement. VERIS Accelabar® provides exceptional versatility, with turndown capabilities over a large range of flow rates.



VERIS VERABAR®

VERIS Verabar® is the most accurate, reliable and advanced averaging pitot tube on the market today. It has a bullet shape and aerospace design principles that produce a stable flow signal with less propensity to clogging in the presence of dirt or debris.



ARMSTRONG VORTEX METER

Reliable, well-known vortex technology in a package that is easy to install and simple to operate. Armstrong inline and insertion vortex meters are capable of HART, Modbus, BacNet, or analog outputs with integral pressure and temperature compensation.



ONLINE COURSES, TRAINING AND SEMINARS

Armstrong University gives you easy access to online courses, training and seminars, as well as on-demand webinars. Our extensive curriculum of individual courses and educational packages includes industry-specific content and learning opportunities to help you address tough, everyday issues.

CUSTOMIZED ONLINE COURSES

Armstrong University can customize an online curriculum for your organization, to be delivered at your site or one of our global learning centers, whichever is most convenient.

INTRODUCTORY, INTERMEDIATE AND ADVANCED COURSES

Choose from over 150 online courses in steam, humidification, hot water, water treatment, refrigeration, flow measurement, environmental health and safety, and more. Courses that qualify for Continuing Education Units (CEUs) are also available. Our coursework was developed by energy and thermal utility system specialists and leading technical experts with over 2,000 years of collective, practical experience.

GLOBAL LEARNING CENTERS

Armstrong has Learning Centers in: Three Rivers, Michigan (USA); Liege, Belgium; Beijing, China; Nagoya, Japan; and soon in Guadalajara, Mexico. Many of Armstrong’s representatives throughout the world operate their own learning centers. Armstrong locations in India, Korea and other parts of the world have portable demonstration capabilities that allow us to bring the seminar to you.

KNOWLEDGE NOT SHARED IS ENERGY WASTED®

One of Armstrong International’s greatest strengths is our wealth of knowledge, experience and insight, derived from more than a century of providing thermal utility solutions for customers all over the world. As a true, sage brand and we’re fully committed to sharing all that we’ve learned to help you make the smartest possible decisions for your institution.

RECOMMENDED COURSES FOR HEALTHCARE

- **Legionella**—Learn how Legionella develops in hot water systems, the dangers of Legionella if left untreated and how it can be killed, and how to design a hot water system that discourages Legionella growth.
- **Healthcare Package**—More than 40 courses to help you increase patient satisfaction and safety, provide safety and skill development for utility personnel and improve utility cost management.
- **Safety Training 101 Package**—Includes 21 courses that address environmental health and safety issues to help you provide a safe working environment. Each course can typically be completed in 30 minutes or less.
- **Humidification in Healthcare Environments**—Learn about humidification requirements for healthcare environments, understand the relationship between humidification and airborne pathogens, review best practices in healthcare standards requiring humidification.
- **System Solutions for Sterile Applications**—Explore the sterilization process for sterile environments, learn to troubleshoot sterilization applications, better understand steam quality issues, and review installation best practices.

OPTIMIZATION SERVICES

Armstrong’s expert Optimization Services can help you increase efficiency, lower or stabilize your utility and energy expenditures, and make your life easier. Our specialists will manage your healthcare organization’s utility to ensure that your energy system infrastructure is maintained efficiently and safely. Armstrong offers an extensive range of engineering services, and our unrivaled flexibility enables us to tailor them for your specific requirements.

AUDITS, STUDIES AND CONSULTING

We conduct a comprehensive, on-site evaluation of your utility system to reveal inefficiencies, identify opportunities for improvement, and uncover the cause of current or potential problems. After analyzing the results, our specialists determine the intelligent solutions that will be most effective in achieving your objectives. Your detailed report will include recommended Energy Conservation Measures (ECMs), schematics, drawings, estimated savings (thermal, water and financial), emissions reductions, and more.

TRAP MANAGEMENT

Armstrong offers ongoing, expert trap management services. We can conduct your steam trap surveys, identify problems, and repair or replace any faulty equipment. By maintaining optimum performance of your steam system, Armstrong helps you prevent steam loss and CO2 emissions, reduce fuel costs, and increase savings.

OVERSIGHT SUPPORT

Armstrong provides continuing utility oversight and advises you of opportunities for improvement; regular reporting to management is available.

ON-SITE OPERATIONS & MAINTENANCE LEADERSHIP

Our on-site expert provides the daily leadership necessary to handle all responsibilities for your O&M function.

ON-SITE OPERATIONS & MAINTENANCE INTEGRATED SERVICES

Armstrong provides a complete on-site staff, or we employ the current plant staff, and handle daily O&M functions.



CONTACT ARMSTRONG INTERNATIONAL

For additional information on product models, sizes and custom solutions, or to find an Armstrong representative near you, visit armstronginternational.com/healthcare.



INTELLIGENT THERMAL UTILITIES SOLUTIONS FROM A GLOBAL
LEADER IN ENERGY MANAGEMENT AND ENJOYABLE EXPERIENCES

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