



Armstrong®

**A COMPLETE RANGE OF PRODUCTS FOR
STEAM, AIR AND HOT WATER SYSTEMS**

FROM A GLOBAL LEADER IN ENERGY MANAGEMENT

INTELLIGENT SOLUTIONS IN STEAM, AIR AND HOT WATER

Armstrong International at a Glance

- Armstrong's intelligent, industry-leading products and system solutions consistently save time, money and energy for satisfied customers in more than 100 countries.
- Founded in 1900, Armstrong International is a private, fifth-generation family-owned company. Our global enterprise has more than 3,000 employees and representatives serving the world.
- The Europe/Middle East/Africa (EMEA) branch of Armstrong was created in Belgium, in 1969. Armstrong EMEA serves 40 countries with a network of more than 60 representatives and direct sales offices in France, Italy, United Kingdom, Russia and the Arabian Gulf.

STEAM TRAPS

The Inverted Bucket Steam Trap was invented by Armstrong in 1911, and it remains the top-performing steam trap available anywhere. We provide a full range of steam traps for all industrial applications, including:

- Inverted Bucket Steam Traps
- Float & Thermostatic Steam Traps
- Controlled Disc (Thermodynamic) Steam Traps
- Thermostatic Steam Traps:
 - » Bellows
 - » Wafer
 - » Bimetallic
- Syphon Drainage Flash Steam Applications
- Superheated Steam Applications
- Clean Steam Applications



STEAM TRACING EQUIPMENT

Armstrong offers tailor-made and completely pre-assembled packages that include steam distribution and condensate collection manifolds, Trap Valve Stations (TVS), steam traps, thermostatic start-up and freeze protection valves. Our Steam Tracing Equipment gives you significant advantages, such as shorter installation time, easier maintenance, improved safety and higher energy savings.



STRAINERS

Armstrong's Y-Type Pipe Strainers are available in a wide choice of sizes and materials to meet the bulk of all pipeline straining requirements.



CONDENSATE RECOVERY EQUIPMENT

Our mechanical pumps provide all the benefits of returning condensate without the expensive maintenance common with condensate pumps.

- Condensate Pump Trap Packages
- Steam Trap / Pump Combination
- Thermosiphon Mixers (MTS)
- Flash Recovery Vessels



PRESSURE AND TEMPERATURE CONTROLS

Armstrong pressure and temperature control and regulating valves enable you to manage steam, air and liquid systems more safely and efficiently. By maintaining constant pressure or temperature for process control, they also help to ensure uninterrupted productivity.

- Direct-Acting
- Piloted



FLOW MEASUREMENT

Measuring the flow of fluids accurately is vitally important in many industrial environments and, for some operations, it can have a significant impact on the bottom line. Armstrong's VERIS Flow Measurement solutions provide outstanding flow measurement technology to meet the critical needs of your environment.



AIR VENTS

Armstrong's Float-Operated Air Vent Relief Traps are designed to remove gases from liquids down to 0.40 specific gravity, and thermostatic devices are available to evacuate gases from steam systems.



LIQUID DRAINERS

Armstrong's Float-Operated Drain Traps are designed for draining heavy liquids from gases or light liquids (dual gravity drainers). These liquid drainers can operate to 255 barg or specific gravity down to 0.40.



HUMIDIFICATION

Whatever your industry or application, Armstrong provides a variety of humidification solutions to help you achieve precisely controlled, trouble-free, steam humidification.

- Direct Steam Injection
- Electronic:
 - » Electrode
 - » Resistance
- Steam-to-Steam
- Fogging
- Evaporative



HOT WATER GENERATION

We offer a variety of hot water generation solutions that are engineered to provide exceptional reliability and efficiency in industrial and institutional environments.

- Flo-Direct® 99.7 % (HHV) Energy Efficient Gas-Fired Water Heater
- Digital-Flo® Instantaneous Hot Water Generation:
 - » Shell & Coil
 - » Plate & Frame
- Flo-H2O™ Building Heating Solutions
- Digital-Flo® Semi-Storage: Water Heating System



HOT WATER TEMPERATURE CONTROLS

Armstrong introduced digital water temperature control to the world, and we offer a full range of water temperature control solutions designed to provide increased safety, accuracy and efficiency.

- The Brain® Digital Recirculating Valve (DRV)
- Emech™ Digital Mixing Valves
- STEAMIX® Hose Stations for Washdown Applications:
 - » Steam to Water
 - » Water to Water



STEAM QUALITY MONITORING

Armstrong's Steam QM® series provides automatic steam quality monitoring to improve steam system efficiency, increase safety, and ensure that steam quality meets global standards.



INTELLIGENT SYSTEM MONITORING

We offer a complete family of innovative products for system testing and monitoring, all designed to make true, best-practice system management a reality for your organization.



TRAP MANAGEMENT, ENERGY AUDITS AND SYSTEM OPTIMIZATION SERVICES

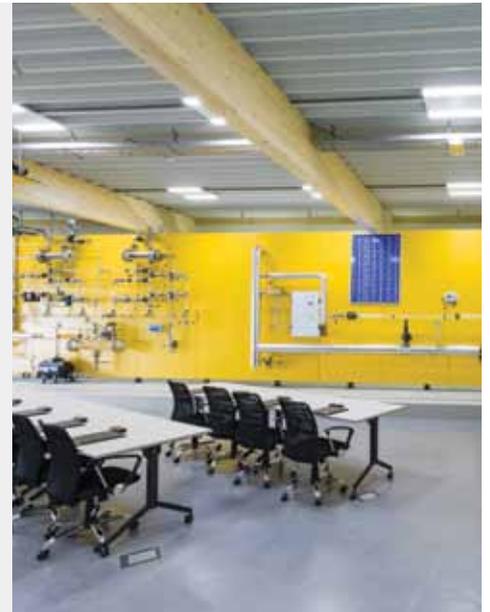
The skilled engineers and technicians in our service department give you access to the in-depth knowledge and practical, on-site experience we've gained during our more than 100 years within the energy sector. This expertise, combined with our responsive, hands-on approach and performance guarantee, enable us to provide intelligent, custom solutions for companies like yours, in a wide variety of markets all over the world.



ARMSTRONG UNIVERSITY

At Armstrong International, one of our greatest strengths is the wealth of knowledge, experience and insight we have derived from more than a century of providing thermal utility solutions for customers all over the world. Through Armstrong University, we give you access to this unique legacy of in-depth knowledge by providing seminars, online training and education. Armstrong can even create a curriculum custom-tailored and delivered at your site.

Energy seminars for thermal utilities are held in the new, fully equipped Learning Center at Armstrong's EMEA headquarters in Liège, Belgium, which features an elaborate working model of steam, air and hot water systems.





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Europe / Middle East / Africa
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