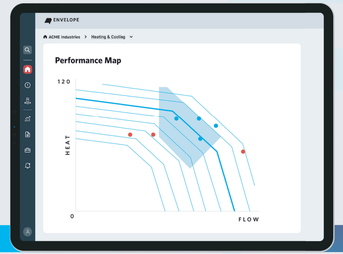
Nobody sees the whole system the way Armstrong does.

ENVELOPE™
By Armstrong Fluid Technology



Scan the QR code for further information.

For solutions across your operation.

Armstrong Industrial is your one-stop shop for high-efficiency fluid flow solutions that drive sustainability goals.

We engineer solutions for customers across the full range of their gas and fluid management needs – Including natural gas pre-heating and industrial-scale high-pressure reciprocal pumping systems, heating, ventilation and cooling (HVAC) systems and fire pumps.

Armstrong Envelope

Known for the quality of our design, manufacture and technical support, Armstrong Fluid Technology partners with customers to optimise system performance, operational transparency and sustainability.

Our Armstrong Envelope platform allows customers to unite all their components to create an efficient, high-performance system to enable continuous optimisation through performance mapping, cutting edge analytics and life-cycle services – leveraging our intelligent control systems to ensure that our solutions operate at their best efficiency throughout their life.

Our Design Envelope product solutions incorporate intelligent control and automation software, using demand-based control and ensure high efficiency performance at part-load operation.

Our System Envelope solutions combine our solutions to deliver pre-packaged system solutions such as our intelligent fluid management systems, booster sets or fully engineered to order package plant rooms (PPRs).

Our Enterprise Envelope solutions offer optimisation for complete systems, beyond just our own equipment (such as boilers or chillers). These solutions come into their own in fields such as district energy networks.

The result is lower energy use, installed cost, operating cost and carbon emissions – as well as lower project and operating risk.

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For more information, contact your Armstrong representative or visit us at:
ArmstrongFluidTechnology.com/ContactUs

ARMSTRONG FLUID TECHNOLOGY®
ESTABLISHED 1934

Armstrong **Industrial**

ARMSTRONG

Armstrong Fluid Technology - Industrial (Armstrong Industrial) is a division of Armstrong Fluid Technology, leveraging over 90 years of global experience in a wide range of sustainable gas and fluid flow applications.

Our solutions embody demand-based control and digitalised optimisation to deliver superior performance and create the greatest value for customers.

We see the whole system through a distinctive lens, continually optimising performance through our Armstrong Envelope platform, creating extensive datasets of component operations for performance mapping.

Driving sustainability

Our vision is to create the benchmark for mechanical plant standards – propelling us towards a greener, safer and more sustainable world for all.

Armstrong **Industrial** combines the core capabilities, expertise and strengths of Armstrong Gas Transmission Systems and RMI Pressure Systems. This allows us to deliver leading fluid flow and gas solutions that drive sustainability by improving energy efficiency and reducing both carbon emissions and embodied carbon.

Single channel to diverse industry solutions

Through our customer-centric approach, Armstrong **Industrial** provides a comprehensive range of fluid flow and gas solutions through our sector-focused approach:

Armstrong **Industrial:** Fluid caters to primary sectors (such as mining, quarrying and forestry) and basic materials sectors (such as iron, steel, cement, glass and paper), as well as sectors related to food, textiles, consumer products, pharmaceuticals, chemicals, manufacturing, energy and environmental services. We also have capabilities for applications in new emerging technologies such as hydrogen production and nanotechnology.

Armstrong **Industrial:** Gas focuses on the oil and gas sector (upstream, midstream and downstream) and energy utility applications such as gas distribution and thermal power generation.

DESIGN ENVELOPE

Commercial Circulator – LOOP
Coming Spring 2026

Our new commercial circulators are designed with sustainability at their core. Not only are they high efficiency, but they can also be repaired (reducing waste) and 98% of the components are fully recyclable.

98%
of components are **fully recyclable**

Design Envelope
Permanent Magnet (DEPM)
Motor Pumps

Design Envelope pumps are a broad range of intelligent vertical in-line, twin-head or end-suctions pumps in up to 900kW (1250HP) sizes, which can be configured to suit any application requirements.

Our patented parallel sensorless control technology delivers best efficiency-point staging which enables built-in redundancy and combines to save both energy and installation costs.

Our patented Tango pumps, offer two motors in a shared casing to save floor space. The pumps operate in parallel to maximise energy savings but can also continue to operate independently during maintenance to ensure performance is not disrupted.

Horizontal Split-Case Firepaks

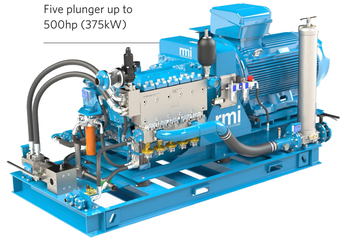
The Armstrong 4600F series pumps are state of the art horizontal split-case fire pumps, available with a diesel or electric motor, meeting or exceeding the requirements of NFPA,UL, ULC and FM.

Suction Guide
the best available protection for HVAC components.

Pump Accessories

Suction Guides and Flo-trex Valves are multi-functional fittings that encompass other pipeline componentry as part of their design to reduce installation cost and space requirements.

Quinmax
Five plunger up to 500hp (375kW)



High Pressure S Range Reciprocating Pumps

The S Range of reciprocating plunger pumps provide a safe and reliable supply of high-pressure water-based fluids for heavy industrial applications.

Available in three plunger (Trimax) or five plunger (Quinmax) models up to 500hp (375kW) and can be supplied as part of a fully configured system to suit the individual application needs.

Commercial Gas Boilers

Our new range of wall hung and floor standing, high efficiency boilers have been specifically crafted for commercial gas applications.

Designed with efficiency sustainability in mind, these boilers offer 98.2% operating efficiency with low carbon and NOx emissions. Optional remote active performance management enable real-time performance monitoring and proactive maintenance.

Glycol Auto-fil Units

The Armstrong Glycol Auto-Fill Units provide automatic glycol make-up for hvac systems. The specially moulded mixing tank offers a compact package with built-in housing for controls and make-up pumps.

3760 Pressurisation Units

The Armstrong 3760 Pressurisation Unit Range offers a complete suite of products and combinations of pressurisation, dosing and degassing features to ensure the effective operation and efficiency of any large commercial or industrial sealed HVAC system.

System Envelope Plant Automation and Optimisation Solutions

ENVELOPE™
By Armstrong Fluid Technology

Systems Envelope SE-A optimizes air-cooled systems. The Armstrong Systems Envelope – A10 and A20 boosts energy efficiencies of new and existing chiller plant installations to leading class levels. It works with all variable primary configurations, keeping the entire plant - including both air-cooled chillers and chilled water pumps - running at optimum performance and occupant comfort.

Enterprise Envelope EE-W optimizes water-cooled systems. The W10 and W20 controllers boost the efficiency of new and existing chiller plant installations. They work with all variable primary configurations, keeping the entire plant - including water-cooled chillers, cooling towers, chilled water and condenser pumps - running smoothly for optimum efficiency and occupant comfort.

Heat Exchangers

Armstrong heat exchangers provide dependable, efficient performance for a broad range of commercial and industrial applications where fluids must be quickly heated or cooled.

Our range of shell and tube, brazed and plate and frame heat exchangers offer industry-wide compatibility and are available in numerous material and working pressures to suit the most demanding requirements.

System Envelope
Energy Transfer Station (SE-ETS)

The SE-ETS is a factory-assembled and fully tested packaged system, complete with integrated system controls for seamless operation. It consists of a single, twin or triple heat transfer module that incorporates up to three brazed plate heat exchangers and pumping modules (with tango pumps or a Tango pump-and-pressure independent control valve options) which can be configured to suit space available on site.

It has exact heat transfer mapped curves embedded in its control software to enable the system to proactively optimise flow, and reduce energy consumption by more than 30%.

System Envelope (Modular) Solutions

Intelligent Fluid Management Systems (iFMS)

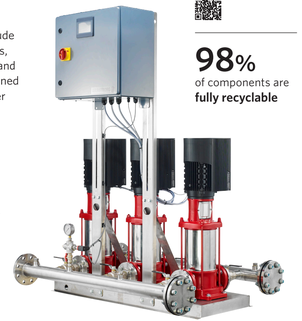
(iFMS) are for any HVAC application and include a combination of structural, intelligent devices, process equipment, controls, electrical gear, and even environmental enclosures that are designed and fabricated to BS EN 1090 and to customer exact specifications.

Design Envelope 6800 Boosters

Armstrong Design Envelope **6800** Boosters are fully assembled, programmed, integrated and factory-tested turn-key booster systems.

They are equipped with vertical multistage pumps and come in arrangements of two to five pumps.

The integrated controls allow for superior performance and energy efficiency across broad operating envelopes.



98%
of components are **fully recyclable**

Modular Heating System

The Armstrong Modular Heating System is designed for new and replacement boiler applications. It is a complete heating system including our new wall hung commercial boilers, pumps, valves, pressurisation system, controls, electrical isolators and electrical containment.

Fully Packaged Solutions

Armstrong pre-fabricated packaged solutions include a combination of: structural, process equipment, controls, electrical gear, and environmental enclosures that are designed and fabricated to customer specifications.

They are test to the highest quality standards and reduce project timelines, installation cost and project risk. Options include Gas Boiler Houses, Fire Pump Houses, Hydrogen production stations, Chiller plants, Chilled water plants, pressurisation unit plants, water treatment plant rooms, HV/LV Switchgear enclosures.