

INDUSTRY-LEADING

DESIGN ENVELOPE

Design Envelope technology offers advanced HVAC performance management, the simplest and fastest commissioning and optimised lifetime performance through real-time insight and action.



HIGHEST
ENERGY EFFICIENCY



LOWEST
INSTALLED
COST



LOWEST
OPERATING COST



LOWEST
ENVIRONMENTAL COST



LOWEST
PROJECT
& OPERATING RISK

CAPABILITIES

Extended intelligence: integrated controller provides on-board diagnostics, trending, alerts, automatic flow-balancing and optional Parallel Sensorless pump control

Advanced controls: colour touchpad with intuitive HMI and access to real-time performance and pump conditions

Real-time connectivity: options include BACnet, BACnet IP, and MODBUS IP and MODBUS RTU. Built-in Wi-Fi and wired connectivity supports web-based control or local control from a handheld unit

Armstrong intelligent motors: with integrated controls deliver IE5 levels of energy efficiency (on select models) and lowest energy consumption

VALUE

BUILDING OWNERS

- Lowest operating costs over the life of the pumps
- Additional capacity provides future proofing against changing building loads
- Unmatched space savings, efficiency and redundancy with Tango and dualArm multi-pump configurations

DESIGN ENGINEERS

- Broad range of performance leads to reduced iterations of pump selection and reduced performance risk
- UL STD 778 and CSA STD C22.2 no.108 certified, CE certification

CONTRACTORS

- Easy installation and commissioning
- Express models available for quick delivery
- Single source accountability for all aspects of an integrated pumping solution

PRODUCTS & ACCESSORIES

Design Envelope Vertical In-line Pump

The Vertical In-Line is the best choice for pump design and orientation. More than 40 years after the installation of the first Vertical In-Line (VIL), the new Design Envelope Vertical In-Line pumps offer even more value to engineers, contractors and building owners, with improvements in all aspects of performance.

Design Envelope TANGO™ Pump

To help the industry meet the challenge of providing cost-effective HVAC operations, Armstrong has developed the Design Envelope Tango pump, representing the pinnacle of energy performance. With a shared casing and volutes for 2 motors, industry-leading hydraulic efficiency, energy-saving iECM™ motors, and on-board Parallel Sensorless Pump Control™, Tango offers more value than any other solution available today.

Our patented Parallel Sensorless technology delivers best efficiency-point staging and enables a new approach to traditional duty standby requirements through the inherent redundancy and control capabilities of Design Envelope offerings. These unique capabilities combine to further extend both the installed cost and energy savings available to our customers.

UP TO
65%

INSTALLED
COST
SAVINGS



UP TO
80%

ENERGY
SAVINGS



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