

# HVAC FLEXIBILITY

## DESIGN ENVELOPE

Design Envelope technology is a proven strategy for minimizing HVAC pumping costs.

Now for applications with single phase power

Armstrong now offers the same “best value” solution for both 3 phase and single phase applications. For facilities with single phase power, Armstrong Design Envelope IVS 102 units are the only solution available that provide an **additional 25%** energy savings using quadratic control instead of straight-line control.

For a designer, contractor, project manager or building owner involved in a new build or retrofit HVAC project, choosing the right pumping solution presents a perfect opportunity to:

Reduce space requirements in the mechanical room

Ensure the long-term accuracy of pump controls

Reduce installation time and cost

Minimize HVAC operating costs across all building loads

To take advantage of the cost savings and performance improvement opportunities you need a pumping solution that:

Offers the lowest installed cost and the lowest life cost, with industry-leading operating efficiencies across the entire range of duty requirements

Provides industry-leading flexibility in responding to changes in HVAC demand

Installs quickly, with minimal requirements for on-site labor

Requires a minimum of floor space and is designed for use in buildings with single phase power supply



## DESIGN ENVELOPE

### TECHNOLOGY

delivers optimum efficiency and energy savings across all

## BUILDING LOADS

**SAVINGS  
ON ALL  
SIDES**

Design time savings  
Installation savings  
Reduced floor space requirements  
Condensed project timelines  
Energy savings

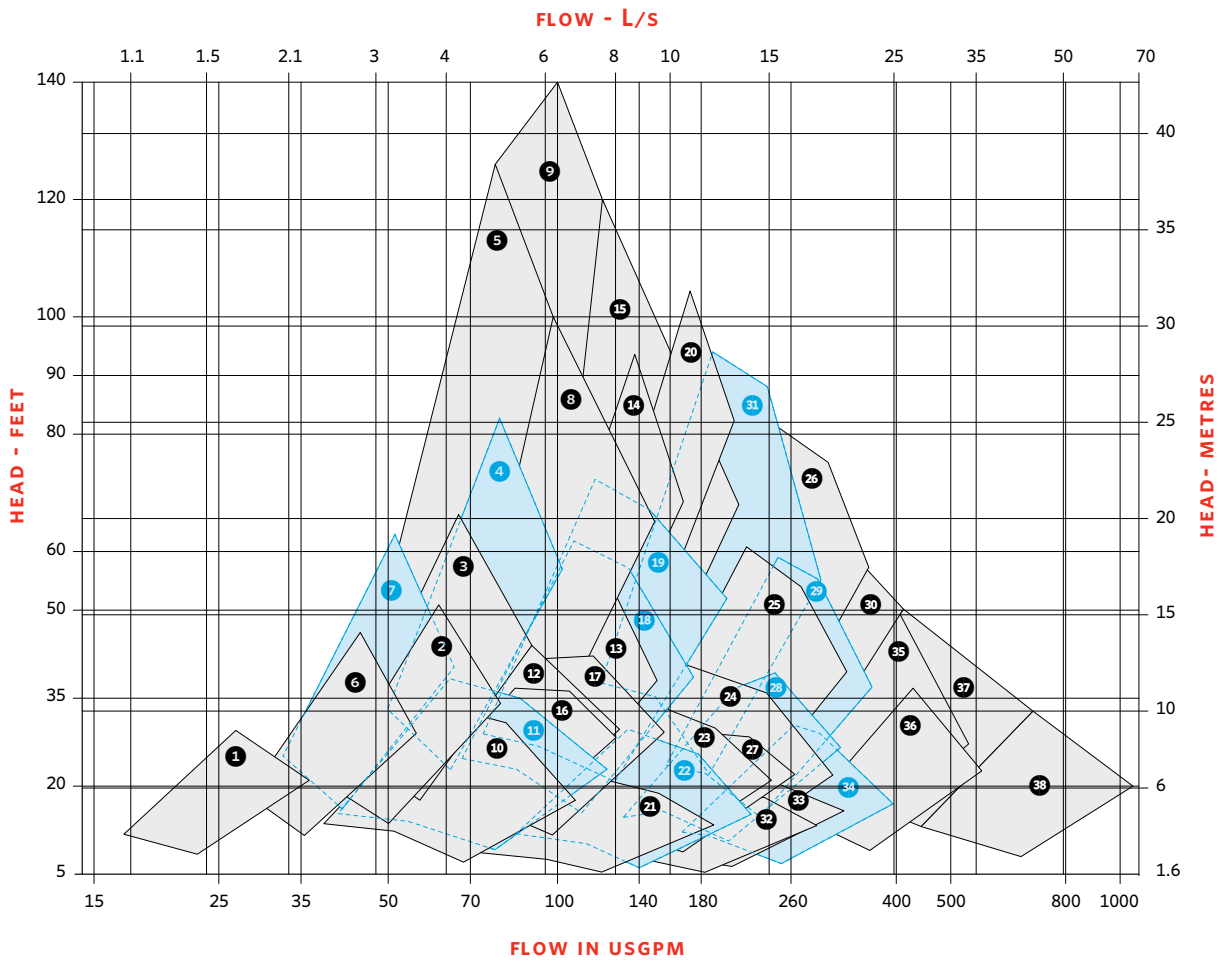
**SAVINGS**

Quadratic curve efficiency control

**50% + 25%**

Traditional straight line speed control

**50%**



**TORONTO**

+1 416 755 2291

**BUFFALO**

+1 716 693 8813

**BIRMINGHAM**

+44 (0) 8444 145 145

**MANCHESTER**

+44 (0) 8444 145 145

**BANGALORE**

+91 (0) 80 4906 3555

**SHANGHAI**

+86 21 3756 6696

For more information, contact  
your Armstrong representative  
or visit us at:

[ArmstrongFluidTechnology.com/  
ContactUs](http://ArmstrongFluidTechnology.com/ContactUs)

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