



powered by: **IBM Watson**<sup>®</sup>

## SOLUTION OUTLINE

FILE NO: 100.185  
DATE: NOVEMBER 2018

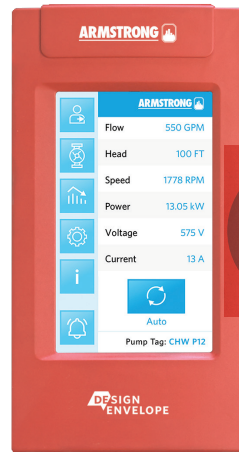
SUPERSEDES: NEW  
DATE: NEW

# START > ACTIVE PERFORMANCE MANAGEMENT

**A**rmstrong's Design Envelope Controller upgrade is a unique retrofit solution that replaces the screen of the pump, and leaves the existing casing in place.

Armstrong offers a limited time opportunity to upgrade your pump operation with advanced control features and connection to our IoT enabled analytics solution.

With this exciting offer, owners of Design Envelope pumps with IVS-102 controller can access the savings and performance features of our most innovative pump yet.



## ENERGY SAVINGS

Upgrade IVS-102 Controller to a Design Envelope Pump Controller (DEPC) for up to 40% energy savings.

Get access to advanced control options :

Parallel Sensorless

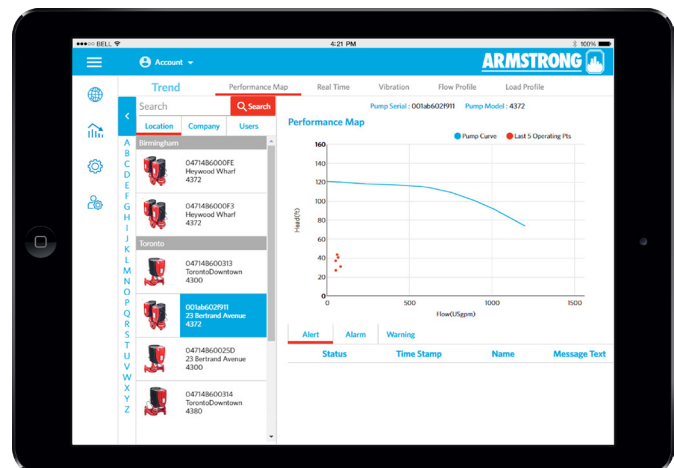
Auto-Flow

Balancing

Dual-season setup



All the value, features and benefits of the most innovative Design Envelope pump yet



Get connected and advance to superior pump control with up to 40% energy savings.

Installation by an Armstrong technician

Performance Test Report

Post installation performance tracking and report ensuring optimal operation

Pump Manager Professional Analytics solution (until December 31, 2018)

Complete IoT connectivity package

## BENEFITS

### REDUCE OPERATING COSTS

Continuous optimization for maximum energy efficiency

### INCREASE AVAILABILITY AND RELIABILITY

Reduce unexpected failures

Early problem detection

Faster return to service

### IMPROVE TENANT COMFORT AND PRODUCTIVITY

Keep flows in the desired range, reducing temperature swings

### IMPROVE BUILDING RESILIENCE

Make informed capital investment decisions

## IBM Watson®

Pump Manager is a cloud-based service that connects operators to Design Envelope pumps, providing real-time insights based on operating data.

Pump Manager provides performance insights to help you optimize pump operation.

## KEY FEATURES

### New controller features

Intuitive, touch screen user interface

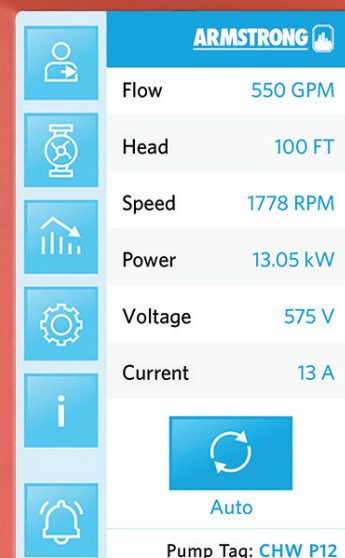
Web server access


BacNet IP protocol

Trend history of 30 days

Embedded accelerometer

Remote pump configuration



ARMSTRONG	
Flow	550 GPM
Head	100 FT
Speed	1778 RPM
Power	13.05 kW
Voltage	575 V
Current	13 A
	
Auto	
Pump Tag: CHW P12	

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## DO I QUALIFY?

If you have an IVS controller  
Armstrong Pump, check  
eligibility now:

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

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

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



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ENERGY  
MAKE  
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