

## Energy & non-energy benefits of smart pumps



**Total integration during manufacturing makes smart pumps ready to install out of the box**, meaning you'll spend less time setting up and commissioning the unit.



**ECMs can reduce power consumption by up to 50% compared to a traditional motor**, and adding advanced speed controls can lower it by as much as 75% compared to an older model.<sup>1</sup>



**Smart pumps generally allow maintenance to be performed by one person** since they are smaller and lighter than conventional solutions, which may reduce labor costs.

Learn more about smart pumps and circulators at [betterbricks.com/pumps](https://betterbricks.com/pumps).



Contact your local utility about available incentives for qualifying pumps.

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## Quick guide to smart pumps and smart circulators

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Better buildings start here.

<sup>1</sup> Analysis of the Regional Technical Forum circulator Unit Energy Savings measures. <https://rtf.nwccouncil.org/measure/circulator-pumps>



## What makes smart pumps the smarter choice?

Smart pumps constantly measure their input power and motor speed to determine where they are operating on the performance curve.

Additionally, integrated variable speed controls, Electronically Commutated Motor (ECM) technology, and factory-configured performance mapping optimizes operation based on system requirements.



## Who uses smart pumps?

Smart pumps can be used in multiple sectors (agriculture, commercial, industrial, and residential) to move water in system retrofits and new construction builds, including:



**Large buildings > 50,000 ft<sup>2</sup>**



**Hospitals, campuses, offices, data centers, etc.**



**Municipal buildings**



**HVAC and domestic hot water projects**



## What do you need to know about federal standards?

**Circulator Pumps:** This new standard applies to residential and commercial circulator pumps and equipment manufactured in or imported into the U.S. To comply with the standard, manufacturers will need to switch to circulators with ECM technology or equivalent performance by May 2028.

**Clean Water Pumps:** The standard requires most clean water pumps manufactured in the U.S. to meet a minimum performance level, as measured by the Pump Energy Index. *This standard went into effect in 2020.*

