

PUMPS FACT SHEET

Multi-pump pressure booster systems

Adding multi-pump booster systems to modern hydronic heating and cooling applications is a proven strategy to improve pressure-boosting performance. Systems utilizing multiple pumps with smart staging controls match pump output to system demand, reducing unnecessary energy use during part-load conditions.

- **Increased efficiency:** Smart pump controls minimize wasted horsepower, decrease annual kWh consumption, reduce peak motor demand, and lead to reduced strain on electrical infrastructure.
- **Improved reliability and resilience:** Staged multi-pump booster systems provide built-in redundancy. Multiple pumps ensure continued operation if a single pump is offline, making these systems particularly valuable for facilities that cannot tolerate downtime.
- **More flexibility:** Staged booster systems scale easily to variable loads, delivering consistent performance across all operating conditions. This adaptability helps maintain optimal efficiency regardless of seasonal or occupancy changes.
- **Streamlined installation and reliable operation:** Pre-assembled, pre-tested systems arrive ready for integration, reducing on-site labor and commissioning time. This lowers project risk, accelerates schedules, and ensures peak performance from day one.



betterbricks/

For more information, visit
betterbricks.com/solutions/pumps

© 2025 BetterBricks



Opportunities to save

Smart multi-pump booster systems provide measurable cost savings with **an annual estimated energy savings of 30%** compared to a standalone pump.

Lifecycle cost calculator

The Hydraulic Institute has a handy tool that can be used to calculate the savings of a smart circulation pump.

[View the Pump Savings Calculator >](#)

Energy rating label

The ER label applies to commercial and industrial pumps and circulator pumps, making it easy to differentiate products based on power consumption.

[Learn about the ER label >](#)