

# Distributed Pumping

A smarter approach to chilled water system design

Accurately controlled cooling systems are crucial to maintaining an efficient, comfortable commercial building. But this can be difficult to achieve with standard valve-based chilled water systems that face challenges with balancing and poor dynamic flow regulation, leading to severe energy loss, inadequate climate control and uncomfortable occupants.

Grundfos Distributed Pumping makes it easy to balance your chilled water system, simplifying operation, while maximizing occupant comfort. Our solution replaces



Significantly Increased  **$\Delta T$**  

Improved Indoor **Comfort** 

Up To **80%**   
Energy Savings

traditional balance and control valves with intelligent pumps. This means the system is equipped with the components that provide the perfect flow at the right pressure, automatically balancing the system and reducing your energy consumption.

Beyond energy savings and improved occupant comfort, Grundfos Distributed Pumping offers reduced commissioning time, seamless integration, and improved chiller performance that can be easily applied to new buildings, as well as retrofits.

# Optimize Your HVAC System Performance With **Distributed Pumping**

## Perfect Flow

An optimized pumping solution that provides the perfect flow at the right pressure, to meet the cooling load demand.

## Always Efficient

Up to 80% energy savings on annual pumping power and significantly increased  $\Delta T$ .

## Simplified Design

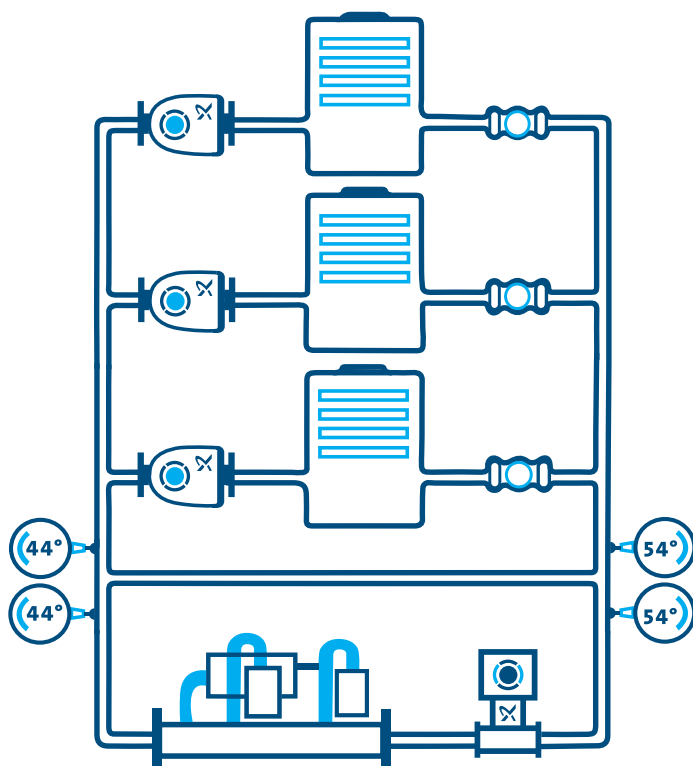
Intuitive valve-less design is easier to commission and provides lifetime auto-balancing.

## Automatic Rebalancing

Achieve consistently balanced systems without the need for costly manual rebalancing.

## Improved Occupant Comfort

Maintain optimal indoor temperatures for happier occupants.



[See It In Action – Watch Our Video](#)

Visit [grundfos.us/pei](http://grundfos.us/pei) to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.