

**MULTISTACK**



# Environmental Portfolio

of HVAC equipment



***Heating and cooling your building with as little an environmental impact as possible should be an important consideration for your next project.***

Multistack and Airstack recognize the importance of offering solutions with low environmental impact—solutions that include energy efficiency, the use of less and safer refrigerants, and the use of fossil fuel alternatives.

Our products' modular designs allow the freedom to use *just* enough energy to meet your current needs, saving energy and other resources, while offering the flexibility of adding additional modules to meet increasing future needs. For the present, however, limiting energy usage to only that which is needed is the most efficient use of resources. Additionally, our super-efficient MagLev™ chiller and our zero evaporation Airstack chillers and heat pumps are designed to work efficiently—saving energy and water use.

Another component of our environmental portfolio is our DHRC™ Heat Pump Boiler™, which is not only efficient, but can

heat your building without fossil fuels. This reduces the effects of price volatility, lowers emissions, encourages the use of renewable options, and gets us all closer to the goal of buildings with a zero environmental footprint.

To reduce the harmful impact refrigerants can have on the environment, we use a microcharge of the most environmentally friendly refrigerants available—the lowest charge in the industry. This, combined with our innovative modular design, ensures that your refrigerant will never have a negative impact on the environment.

We are an environmentally-conscious manufacturer, providing the highest cooling and heating output per pound, in an industry traditionally unconcerned with embodied energy. By reducing our consumption and offsetting our emissions, we are proud to be the first Carbon Neutral HVAC equipment manufacturer in North America. We continue to lead the industry with quality and innovation, as we provide environmentally sensitive products for a better world.

**Originators. Innovators. Never the Imitators.<sup>SM</sup>**



### Energy Efficiency

Reducing energy consumption is an important way to address global warming. Since buildings rarely operate at full capacity, it's important to evaluate your energy consumption across the entire system's operating range. Choose from several of our options to heat and cool your building more efficiently.

- MagLev™ Chiller
- Airstack Heat Pump
- DHRC™ Heat Pump Boiler™



### Energy Recovery

Many traditional HVAC systems are “once-through” with no energy recovery. Heat pumps can use waste energy to provide usable heating and cooling for most buildings.

- DHRC™ Heat Pump Boiler™



### Microcharge of Refrigerant

The refrigeration process circulates refrigerants through closed systems, which can leak, losing the refrigerant to the environment. Most refrigerants are greenhouse gases, so they need to be managed wisely and used sparingly. We use a microcharge—the smallest charge in the industry

- Multistack Chillers
- MagLev™ Chillers
- Airstack Chiller and Heat Pumps
- DHRC™ Heat Pump Boiler™



### Water Efficient

Many mechanical cooling systems use large amounts of water for evaporation in cooling towers. Some systems can use air as a cooling medium—saving millions of gallons of water over the lifetime of a building.

- Airstack Zero Evaporation Cooling



### Zero Fossil Fuels

As an alternative to using a traditional gas boiler, a dedicated heat pump—efficiently using electricity—can be used to make hot water for comfort heating and domestic hot water.

- DHRC™ Heat Pump Boiler™
- Airstack Heat Pump



### Smaller Footprint

The efficiency of a product's performance in the field is a part of the environmental equation. The impact of the production of that product on the environment is another. Using recycled materials and a compact design reduces production waste, transportation emissions, and encourages recycling, reuse, and upgrades. Carbon-neutral manufacturing ensures that the products leave the factory with a carbon footprint closer to zero.

- Multistack Chillers
- MagLev™ Chillers
- Airstack Chiller and Heat Pumps
- DHRC™ Heat Pump Boiler™



MagLev™ Chiller



DHRC™ Heat Pump Boiler™



Airstack Heat Pump



Multistack Chiller



Airstack Chiller



Airstack Zero Evaporation Cooling

**MULTISTACK®**  
*The World Leader in Modular Chillers*

1065 Maple Avenue | Sparta, WI 54656  
Phone 608-366-2400 | Fax 608-366-2450  
www.multistack.com | www.airstack.com

