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**Weil-McLain**® **Introduces ECO™ HP Air-to-Water Heat Pump**

**for Hybrid Dual-Fuel Hydronic Heating**

Burr Ridge, Ill. – [Weil-McLain®](https://www.weil-mclain.com/), a leader in hydronic comfort heating solutions, introduces the ECO™ HP Air-to-Water Heat Pump, a cutting-edge, electric heat pump designed for residential and light commercial applications. This new system is a key component of the ECO™ Hybrid Dual-Fuel Hydronic System, combining the efficiency of a heat pump with the reliability of a traditional gas boiler to deliver superior energy savings, consistent comfort, year-round domestic hot water capabilities, and reduced carbon emissions.

The ECO HP operates efficiently in milder temperatures, seamlessly transitioning to the connected boiler during extreme cold, ensuring consistent warmth, hot water production, and reduced energy consumption year-round.

“This hybrid dual-fuel hydronic system is engineered to provide the best of both worlds – utilizing the heat pump’s high efficiency when possible and relying on the boiler’s dependable backup when needed,” said Elliott Willey, Director of Product Management with Weil-McLain. “By integrating this hybrid system, homeowners can reduce their reliance on natural gas, contributing to lower carbon emissions and supporting a more sustainable future.”

**Unparalleled Efficiency and Quiet Operation**

Engineered with noise reduction technology, the ECO HP operates at a quiet sound due to a bionic fan design and enhancements in its twin-rotor compressor. These features make it ideal for residential settings where noise reduction is a priority.

Unlike forced-air heating systems that distribute heat through the air, the ECO HP uses hot water in a closed-loop system to provide radiant and convective heat, offering improved indoor air quality by reducing the spread of dust, allergens and airborne pollutants. This approach enhances comfort and health by maintaining a cleaner indoor environment.

In addition to heating, the ECO HP is designed to deliver domestic hot water year-round, providing a reliable and energy-efficient solution for all seasons. This ensures homeowners benefit from consistent hot water supply while optimizing energy use, even during peak demand periods.

As part of the dual-fuel solution, the ECO HP ensures consistent comfort, extends equipment life expectancy and delivers significant energy savings across all climates. The system operates with eco-friendly R32 refrigerant, offering up to three times greater efficiency compared to traditional heating methods.

To optimize these benefits, Weil-McLain has developed the ECO Calc Application Sizing Tool. This innovative tool aids in properly sizing the application by providing data on heat loads, pump capacity, localized utility rates and more, ensuring the system performs at its best in every installation.

**The ECO Hybrid Advantage**

The ECO Hybrid system redefines home heating by integrating the ECO HP with a traditional gas boiler, providing an adaptable, dual-fuel solution. This setup ensures homes remain warm even in the coldest climates by leveraging the heat pump’s efficiency during milder temperatures and the boiler’s reliability as a backup. The hybrid approach not only extends the life expectancy of both appliances but also offers significant energy savings, making it a budget-friendly and environmentally conscious choice.

Weil-McLain understands that practical installation and long-term cost savings are crucial for both homeowners and contractors. The ECO Hybrid system is designed for flexibility, allowing for phased installation, which is especially beneficial when replacing a failed boiler in the cold of winter. This approach restores heat quickly with a heat-pump-ready boiler, with the outdoor heat pump being added during warmer months, ensuring maximum efficiency without interrupting home comfort.

“We designed the ECO Hybrid system for phased installation, allowing contractors to quickly restore heat with a heat-pump-ready boiler during winter, and add the outdoor heat pump in warmer months to maximize efficiency without disrupting comfort,” said Willey.

Weil-McLain’s commitment to quality and reliability is reflected in the ECO HP’s industry-leading warranty. All units are tested and certified to meet the highest standards, with a warranty of up to five years on the outdoor unit (ODU) compressor and up to five years on parts with registration (two years on parts without registration).

To learn more about the ECO HP, visit [www.weil-mclain.com/eco-hybrid-heat-pump-system](http://www.weil-mclain.com/eco-hybrid-heat-pump-system) or contact a Weil-McLain regional sales office at [www.weil-mclain.com/locations](https://www.weil-mclain.com/locations).

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About Weil-McLain

Weil-McLain® is a leading North American brand of hydronic comfort heating systems for residential, commercial, and institutional buildings since 1881. Known for innovation and reliability, Weil-McLain is committed to delivering high-efficiency heating solutions that prioritize comfort, energy savings, and sustainability. Weil-McLain continues to serve as a trusted partner by providing Solutions that Matter™ for the diverse needs of contractors, engineers, architects, homeowners, and facility managers, where products are trusted in homes, offices, schools, restaurants, hotels, and more throughout North America.

WM Technologies, LLC, assembles, sells, and distributes Weil-McLain boilers from Eden, North Carolina, and manufactures cast iron products in Michigan City, Indiana, with approximately 600 employees across manufacturing facilities, sales locations, and administrative offices in Burr Ridge, Illinois. Backed by the global strength of SPX Technologies, Weil-McLain is dedicated to driving industry innovation and advancing climate conscious heating solutions. For more information, visit [www.weil-mclain.com](http://www.weil-mclain.com).