Revolution®

Two-Stage Split System

Hydron Module
Geothermal Systems

Pure and Simple™

Revolution® Series Two-Stage Split

Wishing for **higher efficiency** out of your existing conventional furnace? Look no further than a Hydron Module® geothermal split system. In this application, a geothermal system can be **added to your existing furnace.** The split system consists of two pieces which are placed in the home near the existing furnace, connected to each other with copper refrigerant lines. The Hydron Module geothermal system provides the **initial stages of heating** for the home (typically over 90% of heating requirements) and **all of the air conditioning.** In very cold temperatures, the existing furnace supplements the geothermal unit essentially **creating a hybrid system.** While the split system will not completely eliminate the need for fossil fuels such as natural gas, propane, or fuel oil, it will **reduce your carbon footprint** through reduced fossil fuel usage, and **decrease your monthly utility bills** – all with a lower up-front cost versus a complete geothermal package system. **Purely practical,** simply an efficient and economical choice.

Unit Features:

The ***best available warranty in the industry*** insures peace of mind. The ten-year standard warranty coupled with a lifetime cabinet, coaxial heat exchanger, and compressor warranty (to the original owner) is head and shoulders above any geothermal warranty on the market today.

Our Hydron Module cabinets are made of heavy gauge powder coated stainless steel ensuring ***solid construction that lasts a lifetime.*** The front and rear stainless steel accent panels give the cabinet an appliance like feel.

Hot Water Generator is standard with all Hydron Module units. This allows the capture of free unused heat, ***typically cutting hot water costs by 30 – 50%.***

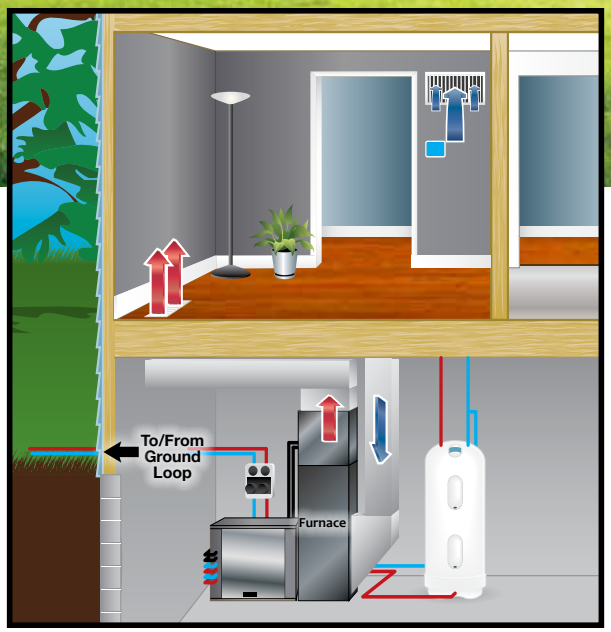
Sound deadening cabinet ***insulation absorbs noise and vibrations***, enhancing the already quiet operation of a Hydron Module geothermal system

Hydron Module split systems have AHRI (Air-Conditioning, Heating, and Refrigeration Institute) ***certified air handler matches*** for every model. That means ***better performance*** and ***guarantees the operating efficiency*** of the system, which is a requirement for many rebate and incentive programs.

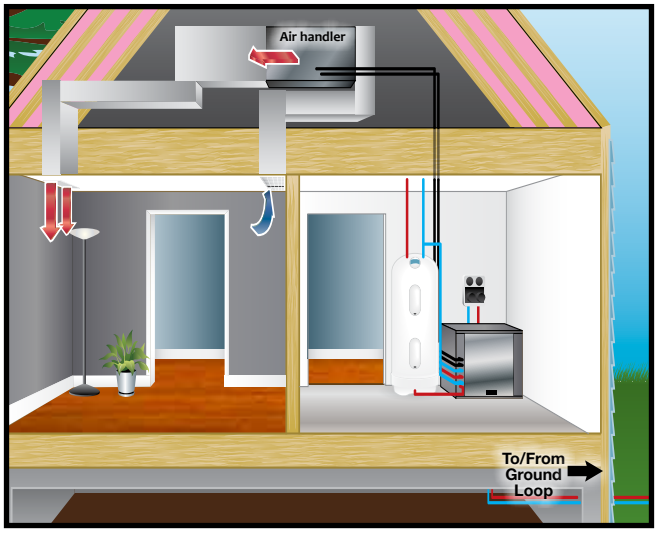
Hydron Module units come equipped with an oversized, rifled coaxial water heat exchanger for increased surface area, providing ***significantly higher efficiencies*** than required by Energy Star® or ASHRAE (American Society of Heating, Refrigeration, and Air-Conditioning Engineers) standard 90.1. Energy Star designation is required for the 30% U.S. tax credit.

Owning a **Hydron Module** is even more affordable thanks to a **30% U.S. tax credit.** Other state/provincial or local incentives may exist in your area.

30 PERCENT U.S. TAX CREDIT



Common hybrid heating installation showing split geothermal system with furnace.



Common Split geothermal installation with air handler.

Unit Flexibility

The Revolution Series split system can be chosen for new construction and is also ideal for installation in existing homes. With its compact size, the Split can be installed where space is tight, and can be used in many cases with an existing air handler or furnace, and its existing ductwork.

Unit Performance (Two-Stage)

Model	Capacity	Heating		Cooling	
		Btu/hr	COP	Btu/hr	EER
HST024	Full Load	18,700	3.6	26,000	16.9
	Part Load	14,700	3.9	19,100	23.0
HST036	Full Load	29,200	3.9	38,900	16.8
	Part Load	23,100	4.4	29,600	24.3
HST048	Full Load	37,200	4.1	53,100	19.6
	Part Load	28,800	4.4	39,600	27.3
HST060	Full Load	45,400	3.8	63,200	17.8
	Part Load	35,000	4.1	46,800	24.2
HST072	Full Load	52,400	3.6	69,200	16.3
	Part Load	43,300	3.8	54,900	22.5

Notes:
Certified in accordance with ISO Standard 13256-1 which includes pump penalties.
Heating capacities based on 68.0°F DB, 59.0°F WB entering air temperature.
Cooling capacities based on 80.6°F DB, 66.2°F WB entering air temperature.
Entering water temperatures Full Load: 32°F heating / 77°F cooling.
Entering water temperatures Part Load: 41°F heating / 68°F cooling.

Hydron Module®

Geothermal Systems

See our full line of geothermal products at
www.hydronmodule.com

Greenville, IL & Mitchell, SD
info@enertechmfg.com

www.GEOEXCHANGE.org MEMBER

Water Source HP
ANSI/AHRI/ASHRAE/ISO13256-1

ENERGY STAR PARTNER

Product specifications reflect available information at time of printing. Design and specifications may change without notice.

EMHL0004

Rev.: 1 Nov 2011-C