Spectrum Manufacturing

Proudly Providing the Market with Quality Geothermal Heat Pumps

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Spectrum Manufacturing is an independent manufacturer of geothermal heat pumps located near Spokane, Washington. Founded in 2008, Spectrum Manufacturing approached the design and manufacturing of their geothermal heat pumps with one goal- to satisfy dealers and homeowners. With this goal in mind, Spectrum Manufacturing built a geothermal heat pump in a class of its own.

- Beautiful, powder-coated heavy gauge aluminum cabinet. No Rattling doors
- Copeland two stage scroll compressors
- Emerson Selectec ECM high efficiency blower motors
- Control system consists of a smart relay with PLC (programmable logic controller) technology
- Water to Air units have 4” filter racks for standard size filters from your local hardware store
- Blowers are solidly mounted on rubber pads on the base, not hanging from screws
- Internal duct from blower to outlet stabilizes static pressure
- Only downflow in the geothermal industry with top return and bottom discharge
- Better quality control by rigorously testing each unit before it leaves the doors
- Standard 5 year warranty with an optional 10 year warranty
Control System

Spectrum Manufacturing wanted a control system that was more reliable and less complicated than the circuit boards currently on the market. After looking at many different options, a smart-relay with PLC (programmable logic controller) technology was chosen. Recognized as the most dependable controller available, PLC technology is used in many important applications that cannot afford to fail or have problems. By writing their own program, Spectrum Manufacturing was able to tailor-fit the control system with their equipment, providing their dealers with a unit that was ahead of the pack. The smart-relay comes with a text read-out of all faults and operation modes. Mounted on the front door of the Spectrum heat pumps is a screen that mirrors the text readout of the smart relay, allowing for quick inspection and diagnosis of the unit.
Noiseless Operation

Spectrum Manufacturing has gone the extra mile in making sure that their units are the quietest on the market. Isolating their compressor two times, muffling the noise of the compressor with a sound blanket, and using automotive grade, multi-layer sound deadening material in their doors. All these factors help these units achieve the reputation of being the quietest on the market.
Residential or Commercial

Spectrum Manufacturing has a solution for all job requirements. Whether it is just a three ton residential job or a 30 ton system for a commercial building, Spectrum Manufacturing is there to provide an answer to any heating or cooling need.
Spectrum Manufacturing offers a full line of geothermal heat pumps for commercial and residential applications. We have water to water units, water to air units and we also manufacture our own hydronic fan coils.

Dealers who have installed these systems are truly impressed, saying they are very quiet and reliable, and customers are very happy with their purchase. And that is the mission, to hear dealers say how satisfied they are with Spectrum equipment.

If you are interested as a dealer in our equipment, don’t hesitate to contact us at any time. Let us have the opportunity to show you that our equipment is ahead of the pack, that our customer service is the best, and that choosing Spectrum Manufacturing is the right choice for you.

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