

# GEO-SYSTEMS USA

GENUINE EXCELLENCE. INFINITE POSSIBILITIES.



The **Geo-Pulse Atmospheric "Villa"** Flow Center is designed to provide long lasting reliability to your geothermal system. Each **Atmospheric Villa** is designed to meet the needs of your current project. An **Atmospheric Villa** can be designed for small or large systems from (10-500 tons).

Each **Villa** is equipped with a Danfos VLT Variable Frequency Drive which ensures that the Flow Center is operating at premium efficiency by monitoring the feedback from a pressure transducer. The Danfos Drive has a 6 line display that will allow you to monitor performance by Voltage, Hz, Horsepower , or Amps. You can also monitor the set point and the actual pressure the unit is currently operating at to ensure that you are getting the correct flow through your system.

Programming of the **Atmospheric Villa** is done by factory trained technicians to meet the specs provided by the customer and is done before the system is ever shipped from the factory making installation quick and easy. A 24 hour customer service line is also available for any questions concerning the drive. The **Atmospheric Villa** is shipped fully assembled and programmed no assembly required.

With only one supply and one return line connection, installation of the **Villa** may take only minutes. The pump or pumps on the **Atmospheric Villa** are piped in such a way as to provide easy replacement access. Simply close the isolation valves on the suction side of the pump and close the triply duty valve on the discharge side of the pump and the pump can be replaced without losing water or introducing air into the system.

Because the flow center is **atmospheric** you are able to add water or anti-freeze to the system without introducing air into the system or losing any fluid. This feature reduces call backs and give both the installer and the end-user piece of mind concerning their Geothermal System.

If you are looking to maximize the efficiency of your geothermal system, a **Geo-Pulse Atmospheric "Villa"** is the way to go. You won't find an easier more worry free installation and start up, which saves you money, and the quality and efficiency of this system are second to none.

For information concerning the purchase of the **Geo-Pulse "Villa"** Flow Center or distribution opportunities you may contact us at (866)-522-0396 or go to [www.geosystemsusa.com](http://www.geosystemsusa.com) on the web.