

# GEO-SYSTEMS USA

GENUINE EXCELLENCE. INFINITE POSSIBILITIES.



The **Geo-Pulse** Atmospheric Flow Center is designed to provide long lasting reliability to your geothermal system. The Geo-Pulse is housed in a sturdy and attractive polyethylene housing and also features a threaded lid with built in check valve that allows air to vent automatically. A sturdy wall anchoring bracket is another nice feature included with each unit. The Geo-Pulse is very easy to install and requires no maintenance.

The **Geo-Pulse** Atmospheric Flow Center is a non-pressurized system which allows for the addition of fluids like anti-freeze and water all while the systems is running and without introducing any air into your system. This feature eliminates call backs for the installer and outages for the end-user and also helps to give the homeowner more peace of mind concerning their geothermal system.

With only one supply and one return line union connection, installation of the **Geo-Pulse** Atmospheric Flow Center may take only minutes. A PF-100 flow meter can be purchased to test the flow of the Geo-Pulse during and after installation to insure flow requirements are being met.

The pumps on the **Geo-Pulse** Atmospheric Flow Center are attached to the flow center in such a way as to provide easy replacement access. Simply close both of the isolation valves and remove the 4 mounting screw to replace the motor. This can all be done with out the loss of water or introducing air into the system.

With proven results and a solid track record of providing reliable and long lasting service to geothermal heating and cooling systems around the world the **Geo-Pulse** Atmospheric Flow Center is the clear choice for any geothermal heating and cooling system. The Geo-Pulse stands head and shoulders above any other flow center the market has to offer and will supply you with years of service and reliability.

# GEO-PULSE

## Geo-Pulse Design Features



### Features (Numbers match diagram)

1. Threaded Cap with spring loaded check valve for automatic vacuum release and pressure relief
2. Brass system connections with "O" ring seal and optional FNPT, MNPT, or sweat connections
3. Patented, full port flanged brass ball valve on both sides of pump (Geo-Systems USA Patent #US 6,935,613 B1)
4. Grundfos wet rotor pumps with **Epoxy coated body, standard.**
5. Bolt-on wall bracket (OBSOLETE) New bracket mounts to the top of the Geo-Pulse and to the wall
6. Rugged polyethylene interior vessel and exterior shell
7. Insulated interior vessel for condensate control (not shown)

### Other Features (Not Shown)

Optional P&T Ports

PVC and CPVC return piping with trade marked self purging vertical return

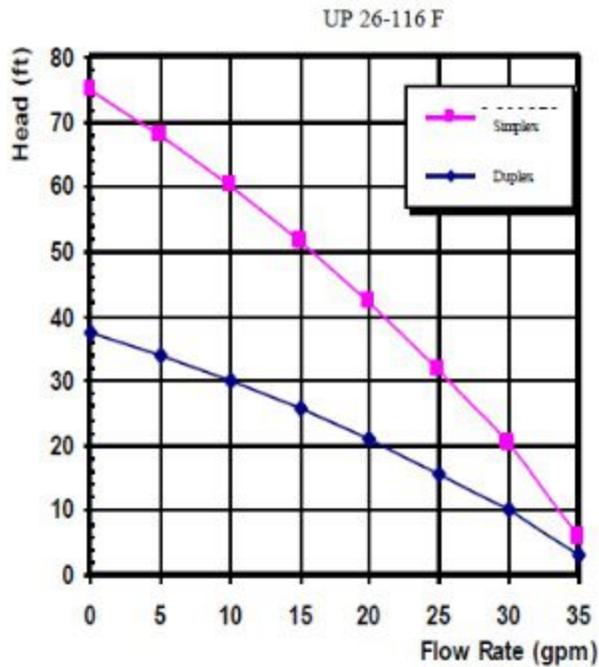
Brass spring loaded check valve with copper piping on discharge side of pumps



1. Threaded Vent Cap
2. FNPT, MNPT or Sweat
3. Optional P&T Ports



## Hydronic Pump Module Flow Charts



### Geo-Pulse: Simplex/Duplex Models

PART #	DESCRIPTION
GP16K-SU10F-R2	1 Pump, UP26-116F, 230V, 1" FNPT Connections, Black Vessel
GP26K-SU10F-R2	2 Pump, UP26-116F, 230V, 1" FNPT Connections, Black Vessel

