

GEO-FLO

Geothermal and
Hydronics Specialists

Geo-Flo's Hydro-Connect™ is an engineered solution to simplify your hydronic design by providing easy to understand Integrated Controls, Outdoor Temperature Reset, Warm Weather Shut Down and Zoning with a Buffer Tank.

An affordable application solution for:

- Geothermal Heat Pumps ...
 - Water-to-Water
 - Combination Units
- Chilled Water Systems
- Low Mass Boilers
- Low Mass Radiation

Hydro-Connect™

Integrated Hydronic Control
System and Buffer Tank

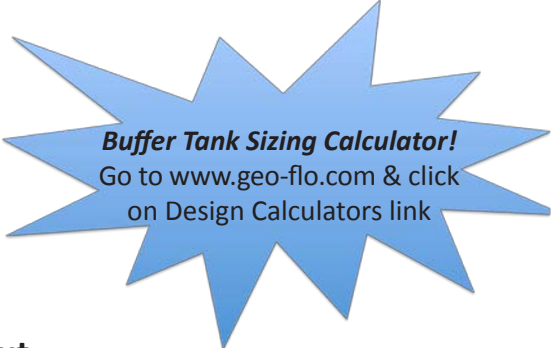


Functions and Features

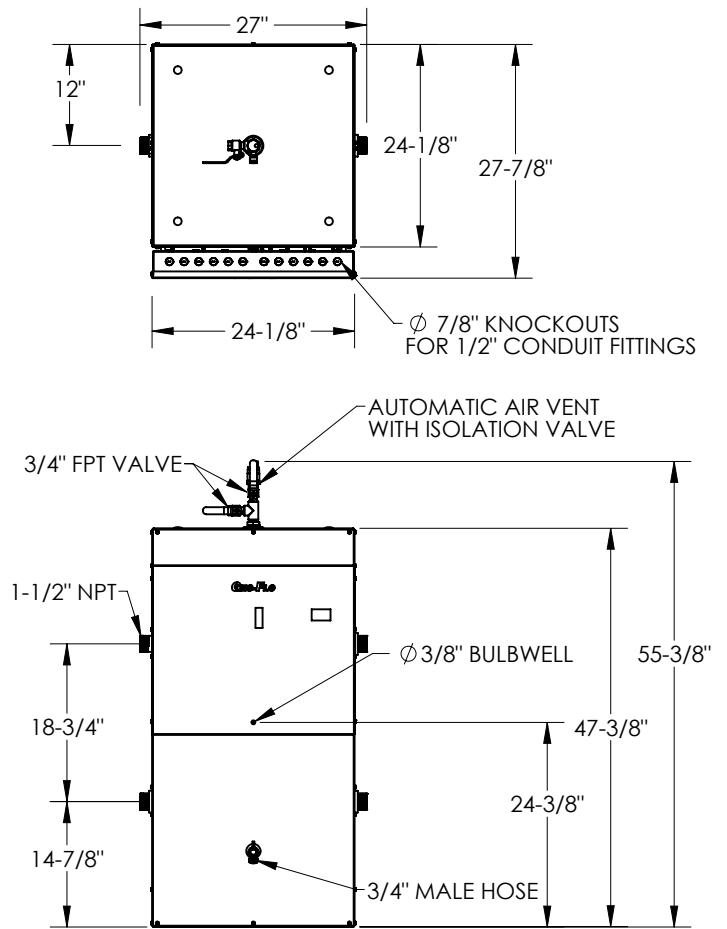
- **Hydraulic separation:** Creates low pressure zone, de-couples the connected source and load side circuits hydraulically. Independent flow in one circuit (source) does not interfere with flow in the other (load).
- **Multiple Control Options:** User selectable for... a) Radiant Floor and Separate Cooling System, b) Radiant Floor and Fan Coil(s), c) Radiant Floor and Forced Air Cooling with a Combination Ground Source Heat Pump.
- **Outdoor Temperature Reset:** Improves system efficiency and saves energy.
- **Warm Weather Shut Down:** Automatically monitors and turns “off” the heating function when warm outdoor ambient occurs.
- **Integrated Controls:** Simplifies electrical wiring between (source side) heating/cooling unit and the (load side) distribution system(s).
- **Independent Zoning (up to 6):** Handles 3 stages of heating/2 stages of cooling, including back up boiler output. Thermostats, source unit(s), and zone valves or zone pumps are wired to the control panel provided with External System Function and Zone Indicator Display Lights.

Technical Data

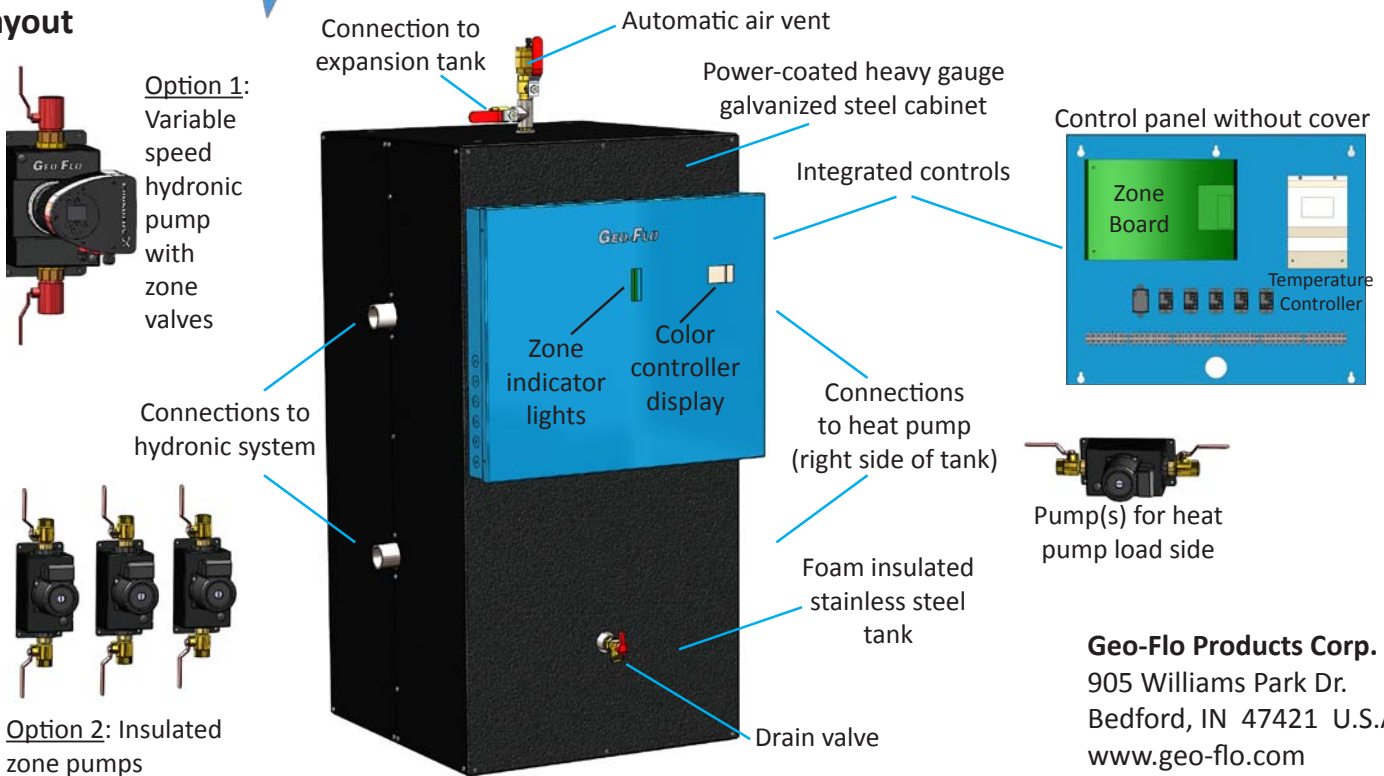
- Tank: 316L Stainless steel, 14 Gauge
- Cabinet: Powder coated galvanized steel
(27" W x 27-7/8" D x 55-3/8" H)
- Insulation: Fully encapsulated tank, CFC-free, closed cell polyurethane foam, 2" thick minimum
- Isolation Valves: (2) 3/4" NPT, full port, brass
- Drain Valve: 3/4" male hose thread, brass
- Auto. Air Vent: Brass body and cover, high temperature resistant polyethylene float, silicone rubber seal; also functions as a vacuum breaker
- Tank Capacity: 50 U.S. gallons (up to 7 to 8 tons)
- Max. Working Pressure: 150 psi [10 bar]
- Operating Temps: 32 to 210°F [0 to 99°C]
- Electrical: 115V/60/1, 15A or 20A (depending upon panel)
- Application: This product, including the tank, are to be used in hydronic systems only. DO NOT use in potable water systems. INDOOR USE ONLY.
Note: Control cabinet can be removed from tank and mounted on an adjacent wall if desired.



Dimensions



Layout



Geo-Flo Products Corp.
 905 Williams Park Dr.
 Bedford, IN 47421 U.S.A.
www.geo-flo.com