

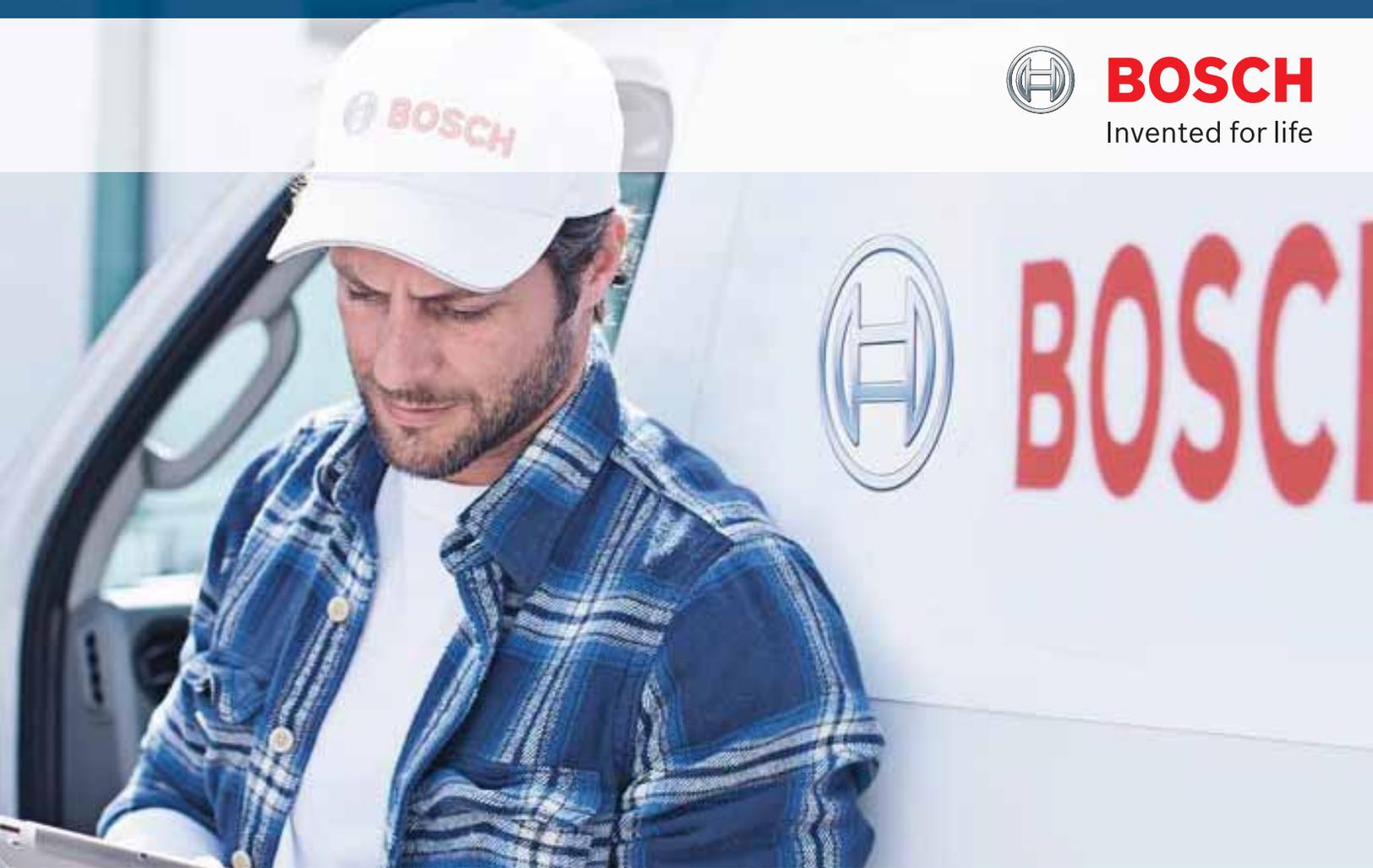
Geothermal Flow Center

Non-Pressurized Flow Center



BOSCH

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Heating and Cooling Made Easy

Bosch offers an optional Flo-Link pump center that may be connected with optional Geo-Prime tank to create a hybrid flow center system. This flow center regulates the volume of water to maintain consistent fluid level, pressure and flow throughout the geothermal system, thus preventing the possibility of damage or even water pump burnout.

The optional Geo-Prime Tank is designed to provide the necessary suction pressure for the flow center circulator pump via a standing column of fluid.



A double valve Flo-Link Pump. See other side for a single valve Flo-Link Pump.

Features and Benefits

- ▶ Add to an existing pressurized system to reduce or eliminate call-backs
- ▶ Requires less space than other non-pressurized systems
- ▶ Allows purging of air with a standard flush cart
- ▶ Optional Geo-Prime tank connects to any Bosch Flow Center
- ▶ Five-year parts limited warranty on Flow Center[§]
- ▶ One-year limited warranty on Geo-Prime tank[§]

Combine the Flow-Link Pump and Geo-Prime Tank for the full Flow Center



Optional Geo-Prime tank (top) may be connected to Bosch Flo-Link pump center (bottom) with HDPE tube to create a non-pressurized system.

Connect to Create a Non-Pressurized System

Geo-Prime tank is installed above flow center (see diagram above). An insulated pump may also be used instead of a flow center when 3-way flushing valves are not needed. The Geo-Prime tank consists of a reservoir, two bypass valves and an air-eliminating dip tube inside an insulated cabinet. The tank includes a sealing cap with integrated pressure and vacuum relief to prevent the reservoir from being over-pressurized or collapsing.

Hybrid Design Provides Options

The Geo-Prime Tank also performs air-elimination and functions as an expansion tank. The product includes two valves for isolating the fluid reservoir during flushing of the ground loop system. The sealing cap provides pressure and vacuum relief and can be installed to achieve a non-pressurized system. The hybrid design allows the system to operate as a pressurized system (up to 13 psig), but never below atmospheric pressure.

The optional Geo-Prime tank ensures that the pumps receive only air-free loop fluid and provides enough additional make-up fluid to prevent call-backs associated with loop expansion during seasonal temperature changes. It includes sight glass for tank level observation.



A single valve Flo-Link Pump.

§See www.boschheatingandcooling.com for complete warranty details.

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