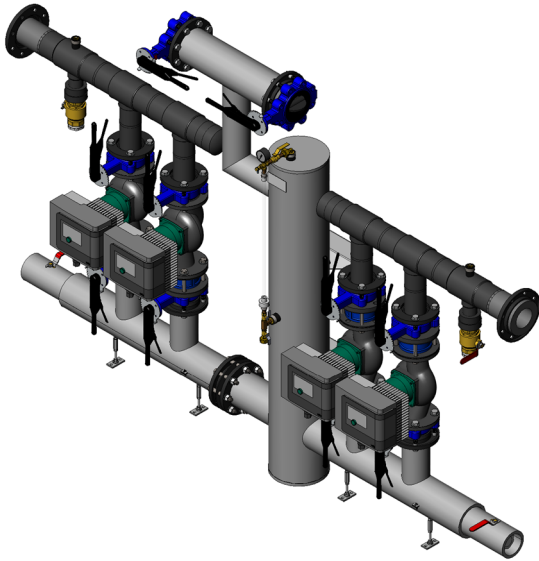


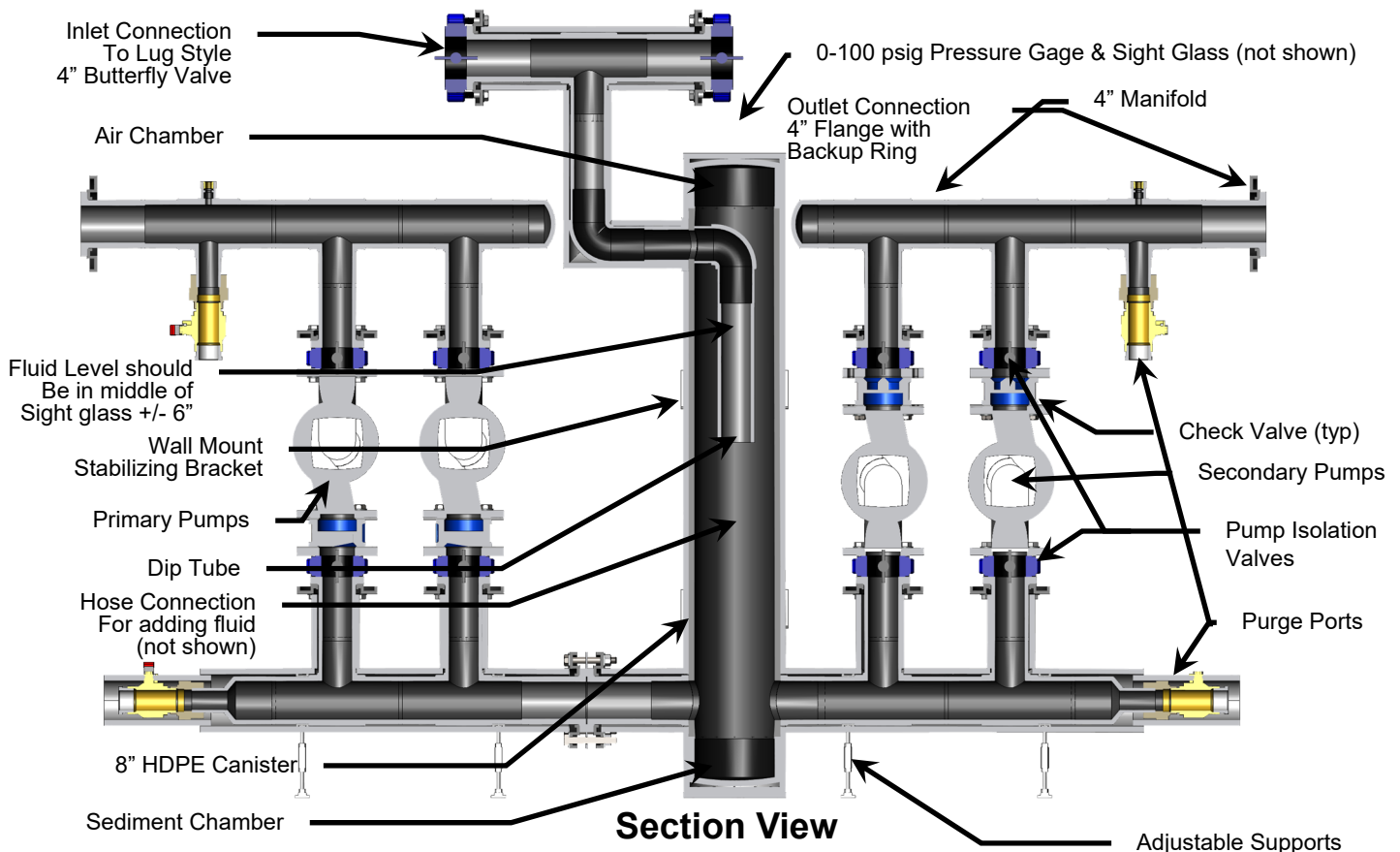
The GX series of flow centers operates like and with all the benefits of a non-pressurized flow center with added features, including the ability to operate at pressures up to 100 psig. Designed for use in multiple heat pump geo-thermal applications, properly installed, the GX is self-regulated, using the minimum power necessary for supplying the optimal flow rate to each running heat pump (regardless of size or proximity to flow center). Using the WILO MAXO Pump the GX captures the benefits of state-of-the-art ECM variable speed pump technology.

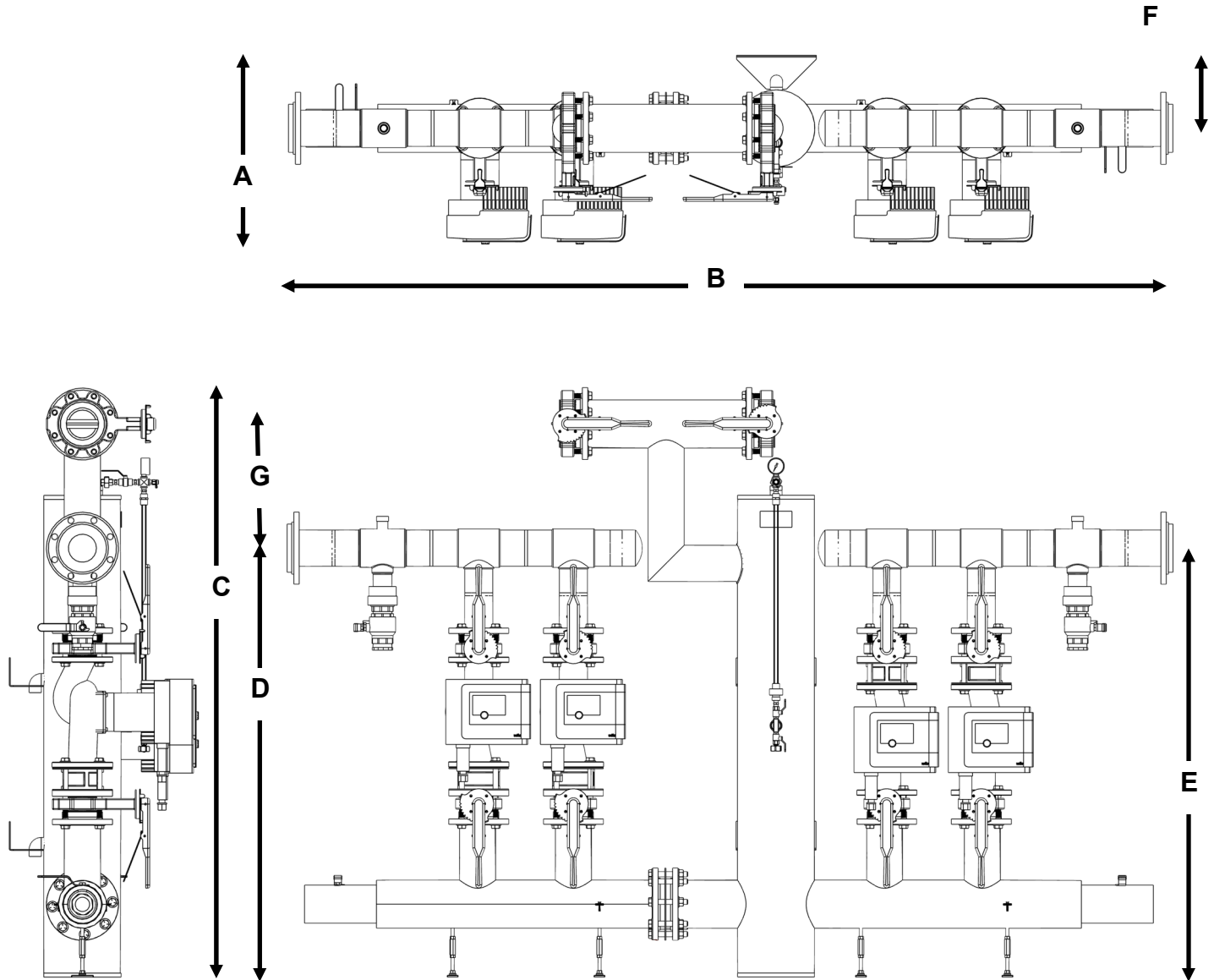


GX8DHS-44

Features:

- Electronically Commutated Motor (ECM) Variable Speed Pump Technology
- Lowest Energy Consumption per Ton of Heat Pump Capacity
- Available in 4 Configurations:
 - Basic - Single Pump
 - Dual - Two Pumps in Parallel (either Full or Partial Redundancy)
 - Primary/Secondary - Two Pumps (Primary for Loop Field & Secondary for Heat Pumps)
 - Dual Primary/Secondary - Four Pumps (Two Primary & Two Secondary)
- Non-Pressurized but capable of being pressurized Flow Center
- Sealed High-Density Polyethylene Insulated Canister
- Air Separation Chamber
- 0-100 psig pressure gauge
- Sight Glass to indicate proper fill level
- FPT Brass or Flanged Inlet & Outlet Connections
- Stabilizing Wall Mounting Bracket
- Purge Ports and hose bib connection for Easy Fill & Maintenance
- GV Zone Monitor (GVZM) Accessory, a cost-effective way to further reduce energy consumption by disabling pump when no heat pumps are running
- Engineering Support for system design
- 3 Year Limited Warranty





		ft - in	mm
A	Depth	1' 11-1/2"	596
B	Width	9' 2-7/8"	2817
C	Height	5' 10"	1779
D	Inlet Height	4' 3 5/8"	1363
E	Outlet Height	4' 3 5/8"	1363
F	Centerline from wall	0' 9 1/8"	232
G	Height Above Inlet/Outlet	1' 3-1/2"	395
	Inlet Connection	4" Flange	
	Outlet Connection	4" Flange	
	Purge Port Connection	2" FPT	

Variations

	Primary Pumps (Loop Field)		Secondary Pumps (Heat Pumps)	
Suffix	QTY	Model	QTY	Model
-SP1	2	MAXO 3x3-52	2	MAXO 3x3-52
-SP2	2	MAXO 3x3-20	2	MAXO 3x3-52

Primary Pump Control Option



The Geo-Flo Universal Pump Controller (UPC-GEO), is a 24VAC powered controller that operates a one- or two-pump variable speed flow center system or variable speed pump via a PWM or 0-10V signal to provide accurate pump control and feedback resulting in the lowest possible power consumption for the pump(s) and system. Instantaneous pump power in Watts is displayed on the back-lit LCD along with other system parameters depending on which sensors are installed. [NOTE: The instantaneous power display is calculated from a PWM output signal from the variable speed pump and current measurement and power factor for the constant speed pump and is only valid for the Magna GEO 32-140, UPMXL 25-124, and the UP26-99 pumps. Other pumps can be controlled, but the power display is not valid]. The installation technician decides whether to control the pump speed based on flow rate set points or differential temperature (ΔT) set points. Installing a single Grundfos Vortex Flow Sensor (VFS) with the UPC- GEO allows the system to be controlled using a flow rate set point input into the controller based on the requirements of the heat pump or system. The controller allows separate flow rate inputs for two-speed (stage) heat pumps, which results in substantial energy savings due to lower flow rate requirements in first-stage

heat pump operation. The Grundfos Vortex Flow Sensor provides both flow rate and temperature feedback which is displayed on the controller. Differential temperature (ΔT) control requires the addition of two 10k thermistors and allows separate ΔT inputs for heating and cooling modes. Installing both a VFS sensor and thermistors allows the UPC-GEO to display flow rate, EWT (entering water temperature), LWT (leaving water temperature), ΔT , and heat of extraction/rejection in KBTU/H. Two lockout modes allow the installer to choose whether to lock the system parameters so they cannot be inadvertently changed or to lock the screen so the feedback (temperatures, flow rate, power, etc.) are not displayed. A Meter mode is included which allows the UPC-GEO to display temperature, flow, and kBTu parameters but does not control the pump(s). This Meter mode is useful when simply monitoring the flow rate and/or system temperature of any hydronic system.