

HYDR^oLOGIC

A Simple Solution for Radiant Heating



Introducing HydroLogic

Offering radiant heating to your geothermal customers has never been easier. HydroLogic is a pre-piped and prewired mechanical panel that simplifies the installation process. It's a cost-effective solution that takes the complexity and time out of radiant systems.

Geothermal heat pumps provide unmatched efficiencies while radiant brings unrivaled comfort—the best of both worlds. Homeowners will love their warm and comfortable floors, and you'll love how simple HydroLogic is to integrate with a WaterFurnace geothermal system.

HydroLogic Hydronic Services

WaterFurnace HydroLogic is a simple, turnkey solution for radiant heating. The main component of HydroLogic is a pre-piped, pre-wired modular mechanical panel designed to simplify the mechanical room installation. The mechanical panel supports cooling, dehumidification, and multiple zones of radiant heating while optimizing heat pump performance by automatically adjusting water temperatures based on indoor feedback and outdoor temperature via the included sensor. HydroLogic's intelligent heat/cool switchover reduces energy waste and maximizes the overall system performance.

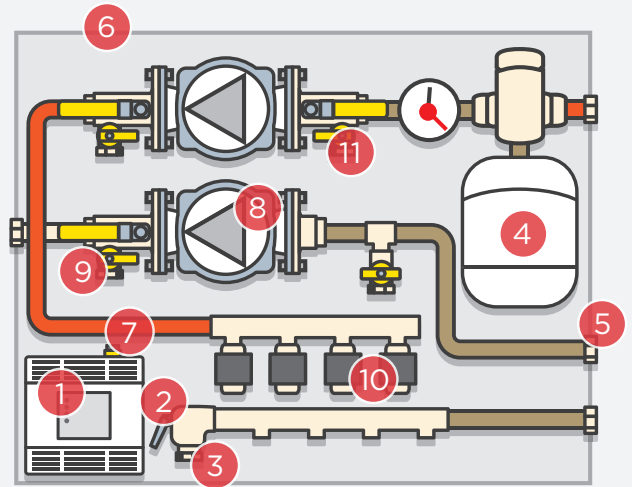
Features & benefits of HydroLogic

- Easy equipment selection
- Powerful communicating controls integrate both forced air and radiant heating
- Simple wiring without an electrician
- Professional appearance, appliance look
- Easy to understand
- Optional insulated models for chilled water
- Easy to add-on zones, even in field
- Solid warranty

HYDROLOGIC

Mechanical Panel Includes

- | | |
|-------------------------------|---------------------------------------|
| 1. Communicating controls | 9. Fill and purge valves |
| 2. Pressure relief valve | 10. Zone valves |
| 3. Automatic fill valve | 11. Service valve with pressure gauge |
| 4. Expansion tank | 12. 115 V Plug (not shown) |
| 5. Zone expansion connection | 13. Sensors (not shown) |
| 6. Rugged steel frame | |
| 7. Micro-bubble air separator | |
| 8. Water pumps | |



Mechanical Panel Specifications

	Synergy3D		NSW/NEW		Zone Expansion*	
Ton	Up to 3	Up to 6	Up to 3	Up to 6	-	-
Zones	4	4	4	4	2	4
Control	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Zone	Zone
Width (Inch)	29	29	29	29	19	19
Height (Inch)	23	23	23	23	17	17
Depth (Inch)	11	11	11	11	11	11
Weight (Lb)	55	55	70	70	23	23

*An optional compact expansion mechanical panel allows the installer to easily add 2 or 4 radiant or forced air zones to either a NSW/NEW 4-zone mechanical panel.

Integrated Heat Pump Control System

WaterFurnace integrated heat pump control systems include: centralized control, radiant and air thermostat operation, outdoor temperature reset, indoor temperature feedback, sharing of time, schedules and outdoor temperature, and one heat/cool mode setting for the entire system.



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