



## *Improved Hydro-Connect™ System*

Integrated Hydronic Control System and Buffer Tank



Geo-Flo's Hydro-Connect™ System is now available with:

- **More tank sizes**

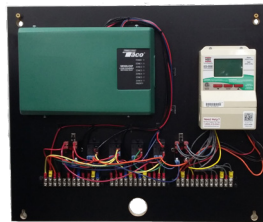
- New lightweight composite tanks in 22, 40, 55, 80, 119 gallons won't rust or sweat
- Union adapters make installation easier

- **Additional zone options**

- New expansion panels (HCE) allow the addition of 6 zones per panel

- **Competitive price**

- Factory machined mounting panel, wiring, and assembly reduce field labor



## Same Great Functions and Features as Before!

- **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.

# Simple selection for Hydro-Connect™ System\*

## 1. Choose a tank size (HCT)

Model PN	Volume Gal	Diameter	Height	Thermal Well	System Connections	Weight Lbs
HCT-R2-000-NM	22	20"	42-1/2"	NO	1-1/4"	50
HCT-R4-000-NM	40	20"	63-1/2"	YES	1-1/4"	65
HCT-R5-000-NM	55	20"	78-5/8"	YES	1-1/4"	85
HCT-R8-000-NM	80	29"	58-7/8"	YES	2"	124
HCT-R9-000-NM	119	29"	81-1/2"	YES	2"	160

## 2. Select Hydro-Connect™ Controls (HCC and HCE)

Model	Heating	Cooling	Total Zones	Possible Radiant Zones	Possible Fan Coil Cooling Zones	Fan Coil Transformer Isolation Included	Heating Thermostat Interrupt Included	Expansion Panel
HCC-NN-HO1-PM	Y	N	6	6	0	N/A	N/A	HCE-NN-HO1-PM
HCC-NN-HO1-ZM	Y	N	6	6	0	N/A	N/A	HCC-NN-HO1-ZM
HCC-NN-HC1-PM	Y	Y	6	6	6	N	N	HCE-NN-HC1-PM
HCC-NN-HC1-ZM	Y	Y	6	6	6	N	N	HCE-NN-HC1-ZM
HCC-NN-HC2-PM	Y	Y	6	6	1	Y	Y	HCE-NN-HC2-PM
HCC-NN-HC2-ZM	Y	Y	6	6	1	Y	Y	HCE-NN-HC2-ZM

PM models use pumps for zoning. ZM models use zone valves for zoning.

## 3. Accessories available for zoning with pumps or zone valves

<ul style="list-style-type: none"> <li>Insulated pumps</li> </ul> 	<ul style="list-style-type: none"> <li>Expansion Tanks</li> </ul> 	<ul style="list-style-type: none"> <li>Insulated Magna3 pump</li> </ul> 
<ul style="list-style-type: none"> <li>Zone Valves</li> </ul> 	<ul style="list-style-type: none"> <li>Air Separators</li> </ul> 	<ul style="list-style-type: none"> <li>Elbows with PT port</li> </ul> 

\*TANKS AND CONTROLS ARE AVAILABLE SEPARATELY.

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