



Essentials of Hydronics for GSHP Professionals Training

Class Topics:

Section 1: What is Hydronic Heating and why should I use it?

Section 2: An overview of modern hydronic hardware

Section 3: The relationship between temperature and heat

Section 4: Water-to-water heat pumps

Section 5: Thermal equilibrium

Section 6: Valve basics

Section 7: Pipe sizing and head loss

Section 8: Circulators

Section 9: Hydraulic equilibrium

Section 10: Expansion tanks

Section 11: Basic hydronic controls

Section 12: Hydronic heat emitters for GSHP systems

Section 13: Air separation and removal

Section 14: Buffer tanks for GSHP systems

Section 15: Sample schematics for hydronic systems supplied by GSHPs