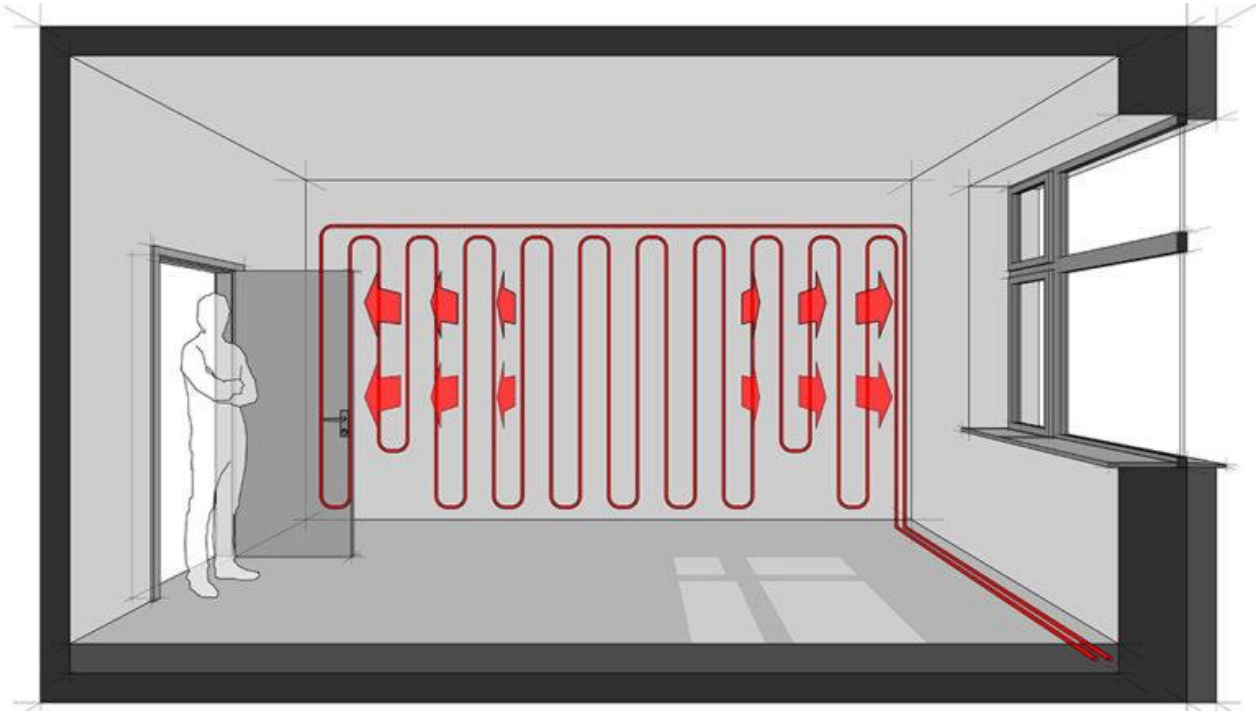
Wall Heating

Wall heating in a hydronic system uses warm water circulating through pipes or panels embedded in internal walls to radiate heat evenly into a space. It's a radiant heating method similar to underfloor or ceiling heating but applied vertically, ideal for spaces where floor or ceiling systems aren't feasible or as a supplementary heating solution.



Key Features

- The wall radiates heat gently and evenly into the room.
- Heat is distributed mainly through radiation, not convection creating a draft-free, comfortable climate.
- Some systems can also run cool water in summer, though wall cooling is less effective than ceiling cooling and requires humidity control.

Considerations

- Limits usable wall space (e.g., behind furniture or artwork)
- Not ideal for cooling unless properly dehumidified.
- Needs careful pipe layout and zoning control.
- Slightly less radiant surface than floor or ceiling systems.
- Best in well-insulated homes to maintain efficiency.

Applications

- Renovations where floor heating isn't viable.
- Bathrooms, bedrooms, or lounges with limited radiator space.
- Energy-efficient homes with low heat demand.
- Areas where quick heat-up response is preferred.