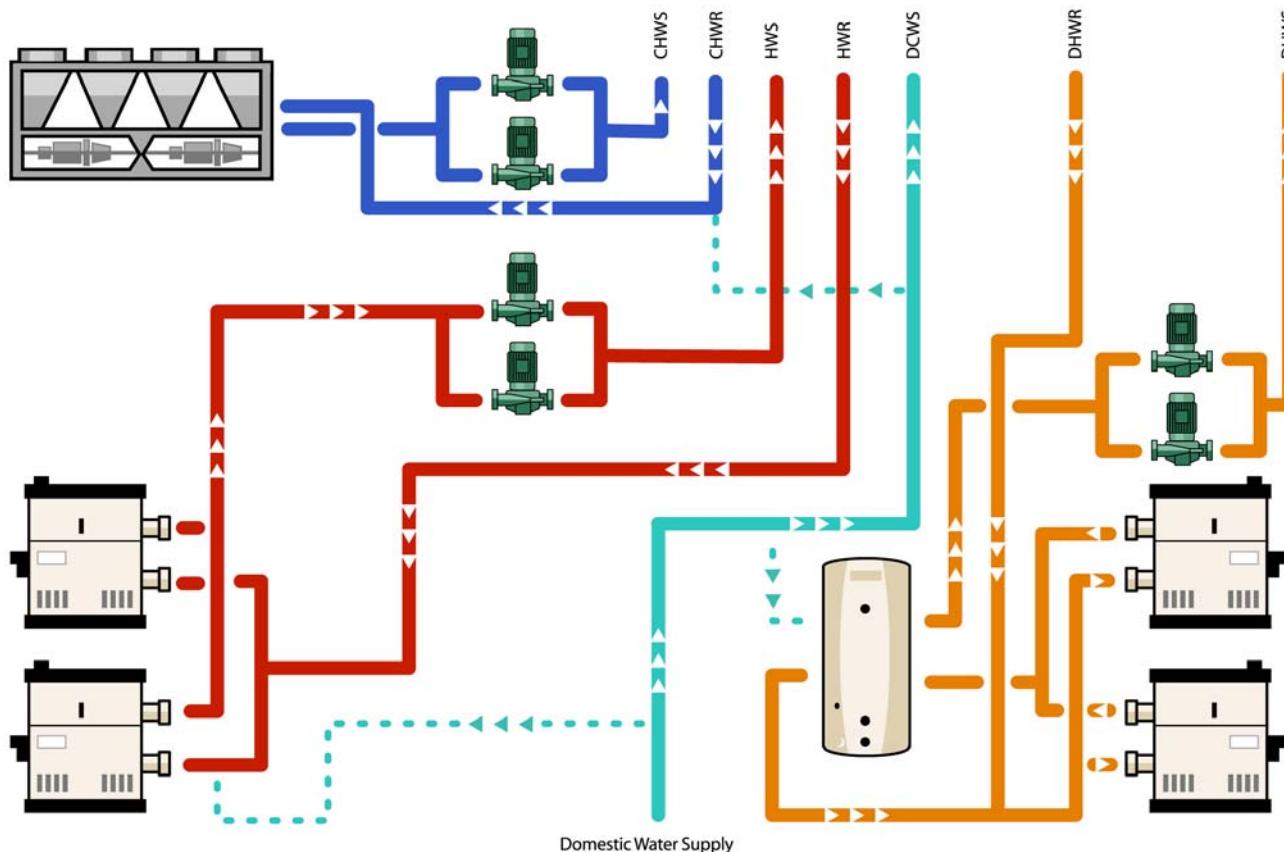


# IPS - System Comparison 4-Pipe Hydronic



## Advantages:

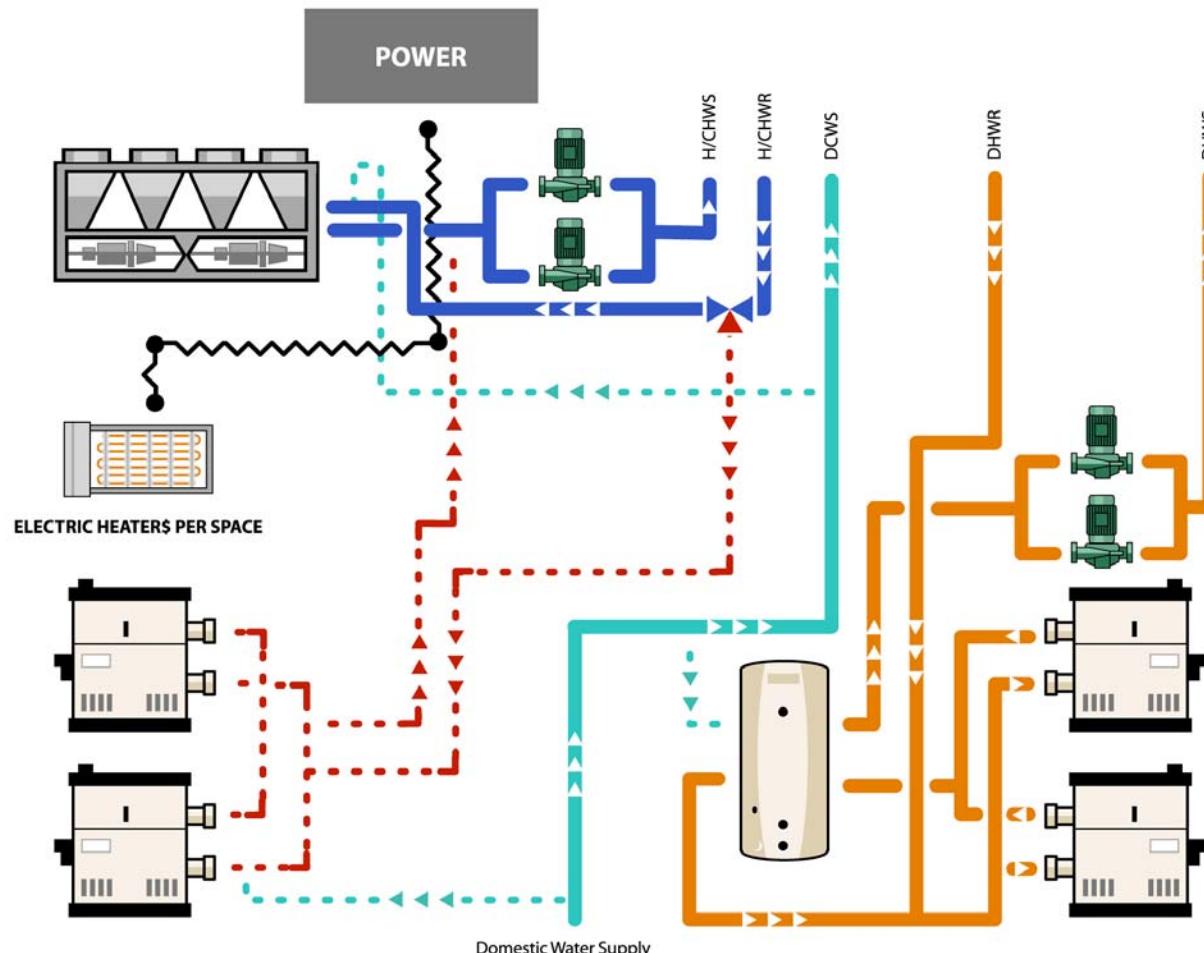
- Superior Comfort
- Superior Efficiency

## Disadvantages:

- Higher Installed Costs

# IPS - System Comparison

## 2-Pipe Hydronic



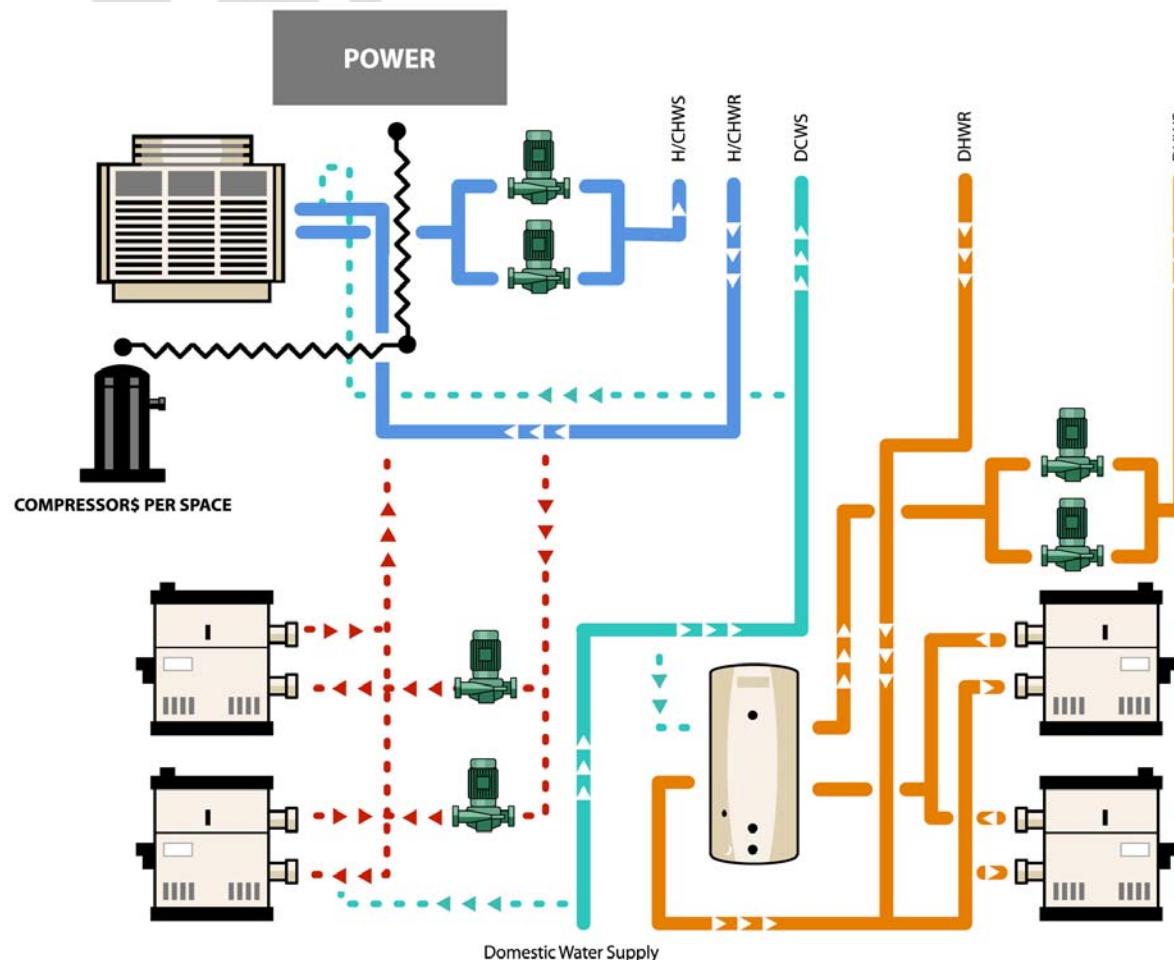
### Advantages:

- Reduced Installed Costs.
- Central Chiller Efficiency

### Disadvantages:

- Electric Heat
- Managing the Changeover
- Potential Loss of Comfort Control

# IPS - System Comparison Water Source Heat Pump



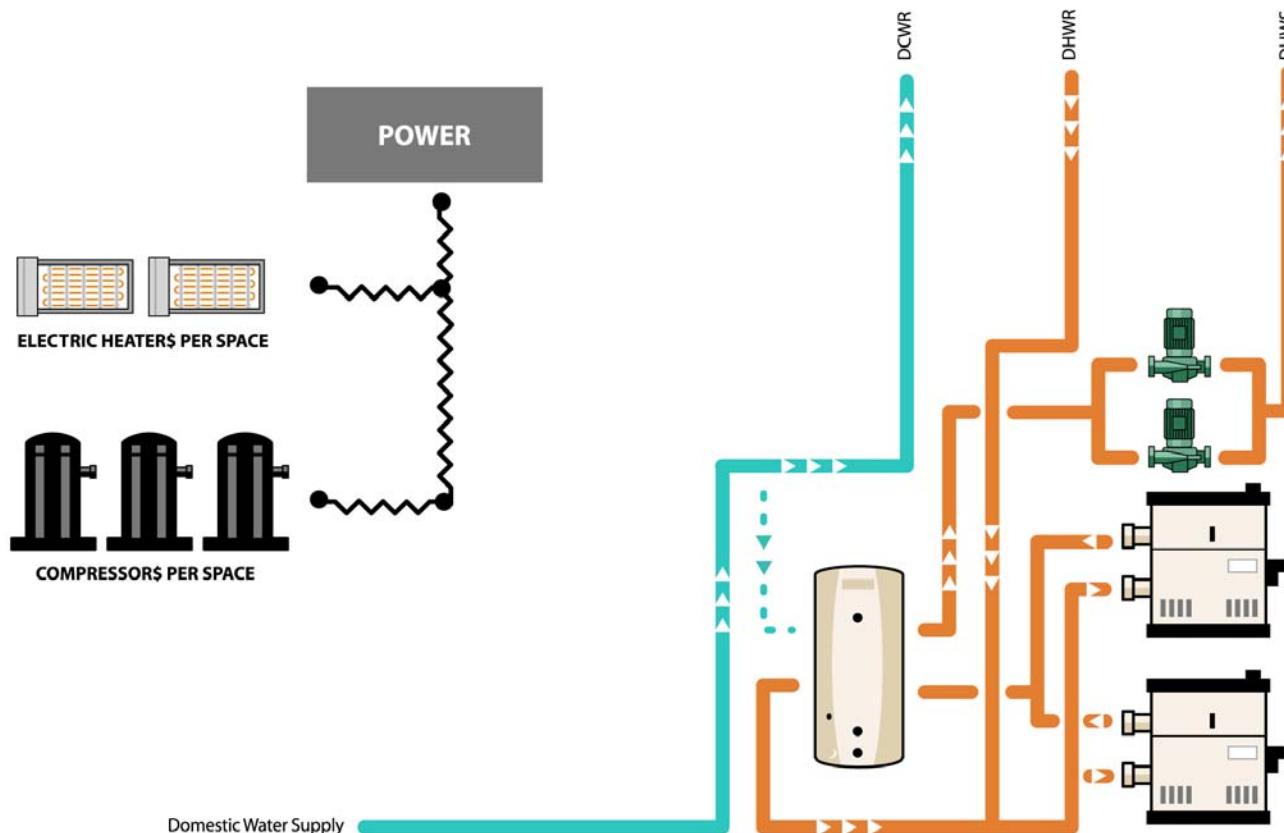
## Advantages:

- Provides Heating and Cooling
- Reduced Installed Costs
- No Chiller

## Disadvantages:

- Compressor in Every Space
- Compressor Heating is Electric Heat
- Potentially No Heat to Transfer

# IPS - System Comparison Packaged Terminal AC



## Advantages:

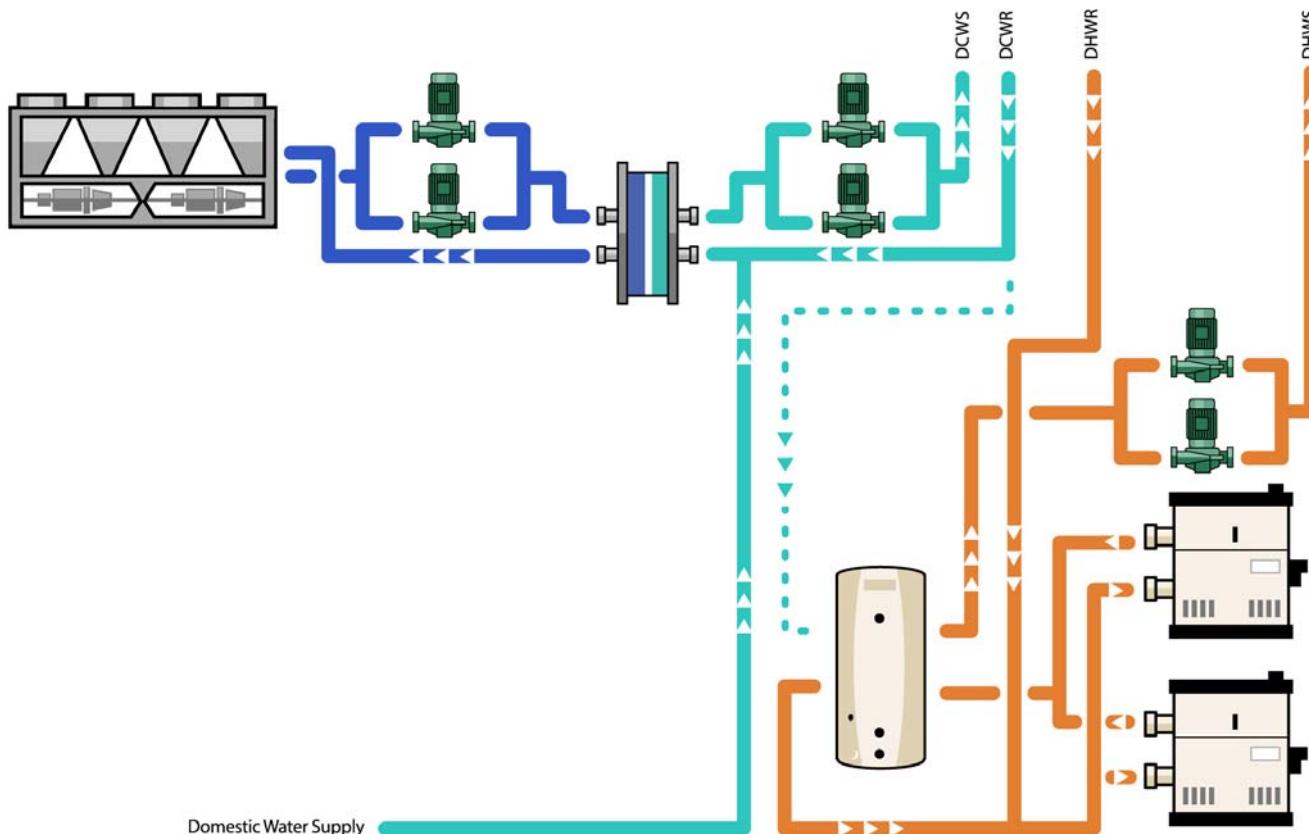
- Provides Heating and Cooling
- Lowest Installed Costs

## Disadvantages:

- Highest Cost to Operate
- Noisiest Equipment Choice
- Least Comfortable
- Most Invasive to Building Envelope (16"X42" Punch-outs in Every Room)

# IPS - System Comparison

## Integrated Piping System



### Advantages:

- Quiet, Comfortable Heating and Cooling
- Significantly Reduced Installed Costs
- Heat Recovery and Economizers

### Disadvantages:

- Requires Domestic Water Piping Throughout Building