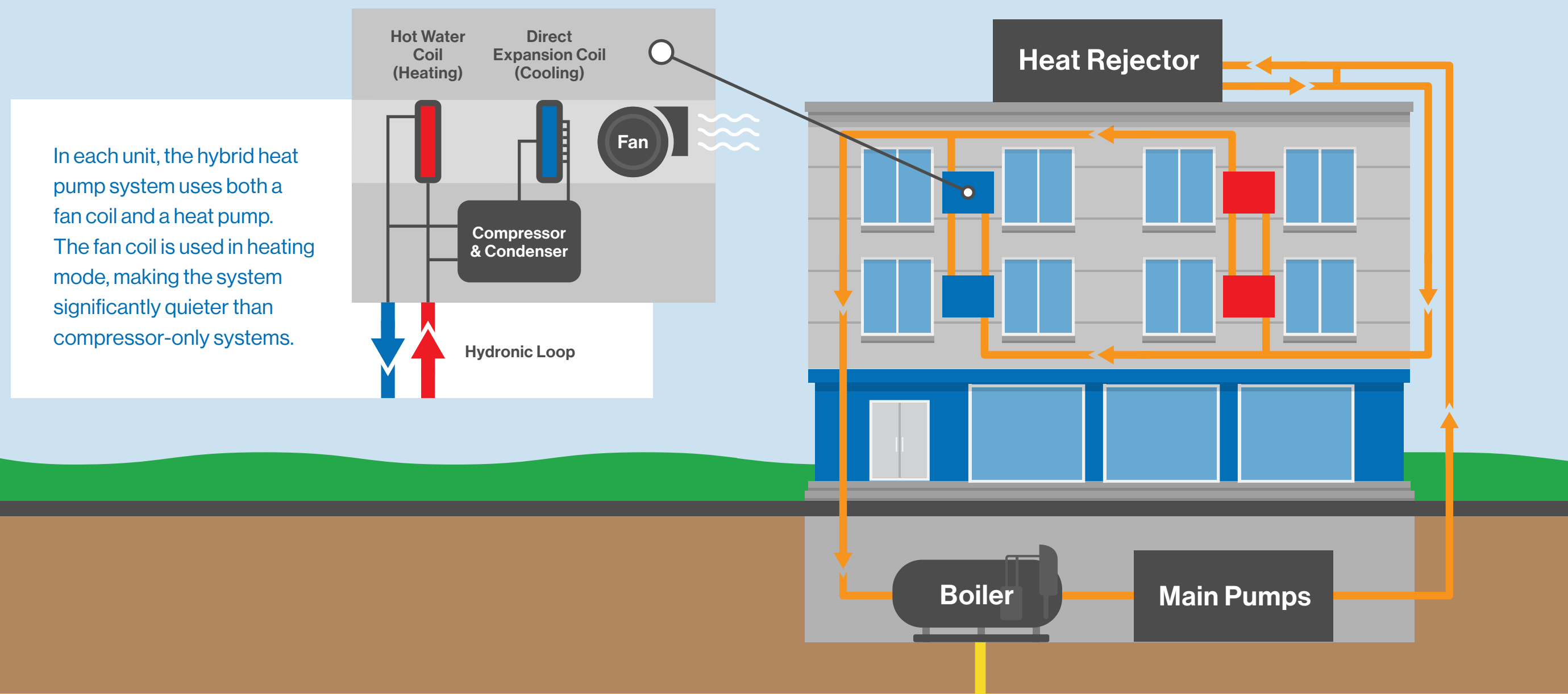


Hybrid Heat Pump

A Hybrid Heat Pump System use a central gas boiler for heating and in-unit heat pumps with a cooling tower for cooling. The heat pumps do not operate in heating mode, resulting in high heating efficiency. The 2-pipe design results in significantly lower capital costs than 4-pipe systems.



Pros & Cons

Hybrid heat pump systems have relatively low capital cost and good efficiency. Heating energy comes from a high-efficiency central boiler plant while cooling energy is provided mostly by in-unit electric A/C units.

System	Capital Cost	Energy Cost	Suite Noise	Floor Space Impacted	Submetering	Fuel Flexibility	Temperature Control
Hybrid Heat Pump	Low	Moderate	Low	Central System	Inexpensive	High	Fast