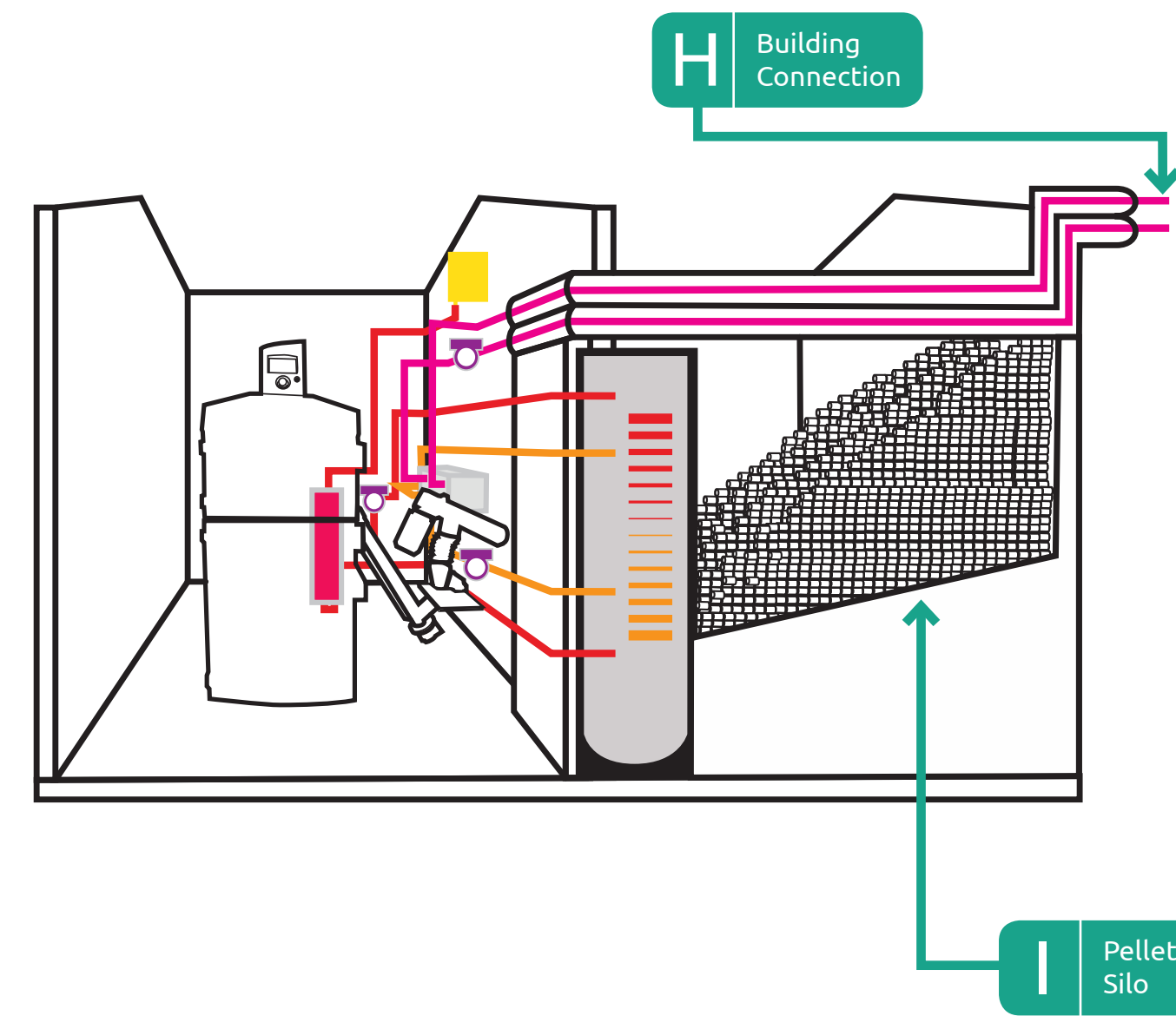
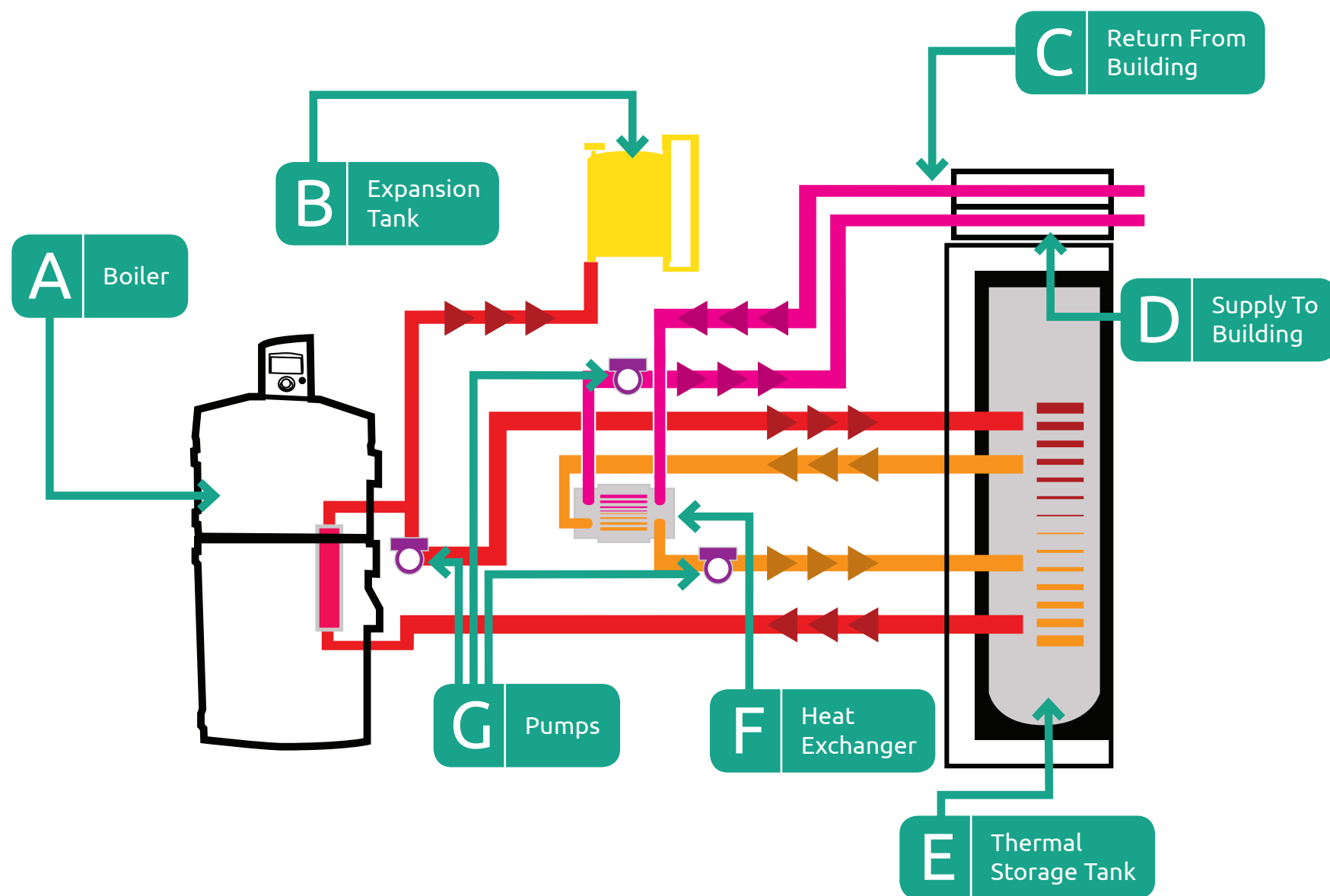


ARCTIC ENERGY ALLIANCE

WOOD PELLET/CORD WOOD DEMONSTRATION BOILER



The 30kW (100,000 Btu/hr) WoodMaster Flex Fuel boiler uses wood gasification technology, where the pellets or cord wood gets cooked in a low oxygen environment to generate gas, which is then burned like natural gas at a high temperature. Effective gasification results in a clean burn (no smoke) and high efficiency.

The small and portable fibreglass cabin contains a boiler and storage for 4 tonnes of pellets, enabling it to run for weeks without refueling. The thermal storage tank allows the boiler to run at full capacity and store excess heat to be used as required. This unpressurized system can easily and safely be connected to an existing heating system.