

AMAZON DISTRICT

Unvented Hot Water Cylinders

The Amazon District range of cylinders are designed for the provision of domestic hot water on communal heating systems. The Indirect version also provides a plate heat exchanger interface for central heating.

The Amazon Unvented Cylinder is completely pre-fabricated with all the required controls, including both plumbing and wiring, and is supplied with an insulated casing and support frame that allows the system to be installed over a washing machine.

The system is aimed at installations that require excellent hot water performance whilst only drawing very low loads from the heat network.

The performance is such that high flow rates of DHW up to 50 litres/minute at 65°C can be achieved, making the Amazon District suitable for driving both individual and small groups of properties.

The use of storage allows primary supply temperatures to ramp down for significant periods of the day, or off completely in Summer. When compared to a system that runs on instantaneous DHW generation (using HIUs) that requires primary temperatures to be over 60°C day and night, 365 days a year, the efficiency gains that can be achieved by running the network at weather compensated heating temperatures is significant. In such instances, stores can be set to automatically respond to rising primary temperatures to initiate recovery, allowing the timing of DHW loads to be managed centrally and matched to times when high grade heat is cheaper, or central heating loads are at their lowest.

Electric backup of DHW is provided as standard making the system capable of satisfying DHW demand while the heat network is shut down for maintenance.

As with most of our systems, the range of options is almost limitless, and includes a choice of sizes, heating loads, methods of recovery, types of frame and cladding, heat metering, billing options, multiple heating zones, underfloor heating controls, and more.

