



Working with other technologies - ASHP

Setting the scene



We have now seen our hot water solution alongside several space heating options. One of the latest projects showcases the benefits of our SAHP working alongside an air source heat pump (ASHP).

For this build a 300L SAHP was installed to work alongside the LG 9KW Therma V – when installing an ASHP you must provide a heat pump compatible cylinder that incorporates a high-performance coil as part of the package. Our system incorporates this heat pump compatible coil so that the ASHP can heat water within the integrated cylinder in a secondary or back-up capacity – as with the SAHP – the SAHP system will become the primary water heating. This provides a host of benefits for a compatible cost to traditional stand-alone heat pump compatible cylinders.

The integration of the SAHP for water heating alongside the ASHP for space heating means a heat pump is heating your hot water all the way up to 55°C as opposed to 40°C and an immersion heater heating water the rest of the way. Removing the issue of hot water first heating when there is both a space heating and hot water heating demand on a stand-alone ASHP, and by using an SAHP, which has no maintenance requirements, and only one moving part for water heating, you can extend the life of the components within the ASHP which will in this set-up typically only run four to six months of the year during the space heating (winter) months.