



## Leak and pressure test – air conditioning system not heating sufficiently

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### The Brief

Attend site to complete leak and pressure test to Fujitsu ceiling cassette system which was not providing the desired heat.

### Our Solution

London Cool attended and completed a standard leak and pressure test, and also used a digital leak detection device, but the refrigerant leak could not be located.

The condenser was disconnected from the system and the indoor fan coil and pipework was left under pressure over the weekend to see if there was any drop.

On Monday morning it was found that the pressure of the system had reduced, indicating that the leak was on either the indoor fan coil or the pipework. Following these findings, we disconnected the indoor fan coil from the pipework and left the fan coil under pressure for 2 days.

When our engineers returned to site, a further drop in pressure confirmed that the refrigerant leak was on the indoor fan coil. The leak was so small that not even an extremely sensitive leak detection device was able to pick it up.

Fortunately for the client, the equipment was under manufacturer parts warranty so we were able to replace the indoor fan coil with no equipment charge.

All the pipework was re-attached, the system pressure tested and commissioned.

### The Result

London Cool was able to leave the system running at the correct pressures with the necessary refrigerant charge, meaning that the system was now producing the required level of heat.

The client had taken advantage of a service and maintenance agreement with London Cool so they were able to benefit from the equipment replacement being covered by the manufacturer 5 year parts warranty. This meant we could keep the repair cost as low as possible.