

Curves Health Club Case Study



The Problem

When a new Curves Womens Health Club was to be opened in Portsmouth, a cooling solution was needed that wouldn't suffer the usual problems of dry air and poor recirculated air quality.

Because there are two areas to be cooled, the controls needed to be flexible so that energy wasn't wasted cooling a room that wasn't in use.

The Solution

A single roof mounted cooler was installed, delivering fresh air into the ceiling void of the club.

A motorised damper was installed so that one area could be shut off as required, and intelligent controls were designed so that the fan speed could respond to a thermostat while still delivering the correct amount of air depending on whether the damper was open or closed.

The Results

Because the air supplied to the club is 100% fresh air, conditions are far better than those possible with a conventional air conditioning system, with the added benefit of gentle humidification which helps during exercise, and at a fraction of the operating cost.

Interesting Facts

A silencer was fitted into the ductwork, which is so effective that it's impossible to hear the cooler running!