

CASE STUDY

Lambda Therapeutic Research

Duct Sealing Helps Clinical Research Organization Eliminate Airflow Issues

Aeroseal Applied After New Air Handling Units Did Not Fix Issues

Lambda Therapeutic Research Limited is a leading global Clinical Research Organization headquartered in Ahmedabad, India. More than 1,500 employees work in seven locations across the globe, offering a full spectrum of clinical trial solutions to the biopharmaceutical and generic pharmaceutical industries.

Lambda applies innovative technologies, therapeutic expertise, and a commitment to quality to help its customers develop products safely, effectively, and quickly.

New AHUs Unable to Solve Airflow Issues

When the R&D laboratory at its headquarters began experiencing uneven temperatures and improper air flow, the company installed new air handling units (AHUs). Unfortunately, the problems persisted.

That's when Lambda approached Consergy Systems & Technologies to help them find the root cause of the problem and execute a suitable solution.

Consergy specializes in duct diagnostics and sealing solutions. The team conducted a series of diagnostic tests on the new AHUs, using thermal imaging cameras and air flow measuring instruments to find undetectable, unreachable leaks in the ductwork. Based on these results, Consergy decided to perform duct sealing using Aeroseal.

Aeroseal – a Safe, Non-Invasive Solution

The Aeroseal system injects a fog of sealant particles into pressurized ductwork to seal air leaks from the inside. Sealant particles accumulate only where the leaks are located, gradually closing them.

The Aeroseal sealant easily met the project's rigorous safety standards. Aeroseal's water-based sealant is safe, non-toxic and has earned more than eight different quality and safety certifications.

The Aeroseal technology measures and records airflow and leakage throughout the duct sealing process. Once the ductwork reaches its target goal, the software verifies and records the results. A certificate showing leakage before and after the process is issued for use in inspection.

In this assignment, a total of 4,168.2 CFM of leakage was reduced across the three AHUs by 93%. This eliminated all uneven temperatures and restored proper airflow to the company's R&D labs.

Use Aeroseal to improve your facility's ventilation and airflow.

Use Aeroseal On Your Next Job For Faster, Guaranteed Results!
CALL: 877-FIX-DUCT or VISIT: www.aeroseal.com



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PROJECT OVERVIEW

BUILDING

Lambda Therapeutic Research Limited Headquarters

LOCATION

Ahmedabad, India

SEALING CONSULTANT

Consergy Systems and Technologies LLP

GOAL

To overcome uneven temperatures and improper air flow in R&D labs

BEFORE AEROSEAL

4,168.2 CFM total leakage (across three new air handling units)

AFTER AEROSEAL

306.2 CFM of leakage

RESULTS

Reduced leakage by 93% to ensure even temperatures and proper airflow throughout the R&D labs



“The diagnostic tools and Aeroseal duct sealing technology have solved our airflow issues. We are extremely happy with Consergy's solution. Their service has been most efficient and professional.”

– Lambda Therapeutic Research