



**AEROSEAL.**

## Case Study

MEZ-AEROSEAL

# Laboratory building EBEWE SANDOZ

» Thanks to AeroSeal, energy savings of up to 27,000 kWh per year will most likely be possible (electricity + heating + cooling energy). «

# EBEWE SANDOZ

**Location:** Unterach/Austria

**Date:** Nov 15

**MEZ-AEROSEAL Partner:** Aero seal Austria GmbH

**Executing company:** Daldrop + Dr. Ing. Huber

**Result:** Even though the ductwork was produced and installed without defects, and even though it had vapour proof insulation, Aero seal technology could significantly increase its airtightness. After the sealing with Aero seal, the limits of air tightness class D could even be exceeded. Both supply and return air corresponded to a tightness class A before the sealing. Thanky to Aero seal, energy savings of up to 27.000 kWh per year will most likely be possible (electricity + heating + cooling energy). The air duct sealing with Aero seal will amortize within only 3 years.



Smell



Noise



Energy efficiency



Air tightness



Indoor air quality

## Description

The main lines of the air duct system „Inspection“ were sealed with Aero seal in EBEWE Sandoz' production facility in Unterach/Austria. The target was to increase the energy efficiency of this already existing duct system. Due to the built-in high-efficiency submicron particulate air filter, the duct system is run with relatively high pressure. As a consequence, leakages have a significant influence on its energy consumption..

## Successful sealing

With our successful MEZ-AEROSEAL partner network we achieve great success again and again.

## The change in leakages

### Before sealing

- 103 l/s resp. 74 l/s @ 300 Pa

### After sealing

- 2,5 l/s resp. 3,6 l/s @ 300 Pa

### Reduction

- 97,5 % (Supply air with 114 m<sup>2</sup>) resp. 95,2 % (Return air with 140 m<sup>2</sup>)



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