

## Purpose of Test

The concern was that total airflow through the equipment would drop as one damper went from 100% to 50% open. The purpose of the test was to determine the effect on total airflow through the system when the one damper is positioned for 100% to 50% airflow to force more airflow through the other damper that remained fully open.

## Test Results

As Damper2 was gradually closed from 100% open to 50% the total airflow through the equipment increased slightly.

## Test Setup

A Carrier 5T unit was used for testing and operated at high speed of 1025 RPM. Airflow was measured through each duct and totaled. Each damper run off the plenum was about 25 feet. Damper1 remained fully open while Damper2 was varied from fully open to 50% open.

