



COMMERCIAL LEAKAGE REPORT

Duct sealing performed at:

SMACNA Sample
1428 Elm St
Springwood, OH 45507

Building Type:

Seal Date: 5/29/2024

Barometric Pressure (Inches in HG): 28.72

Aeroseal Gen2 Case ID: 9999

Manometer Model: -

Manometer Serial Number: -

Seal Specifics

System Description: AHU1

Operating Pressure (wg): 2 Inches

Fan Capacity: 4000 CFM

Seal Description: Supply

Seal Type: Supply

Seal CFM: 4000 CFM

Duct Class (wg): 4 Inches

Seal Class: A

	Rectangle	Round
Test Duct Surface Area (ft ²)	975.0	581.2
SMACNA Leakage Class	4	2
Leakage Allowed at 4" WG	96.0	28.6

Allowable Leakage at 4" WG
(duct class test pressure)

124.7 CFM

Leakage Before Sealing

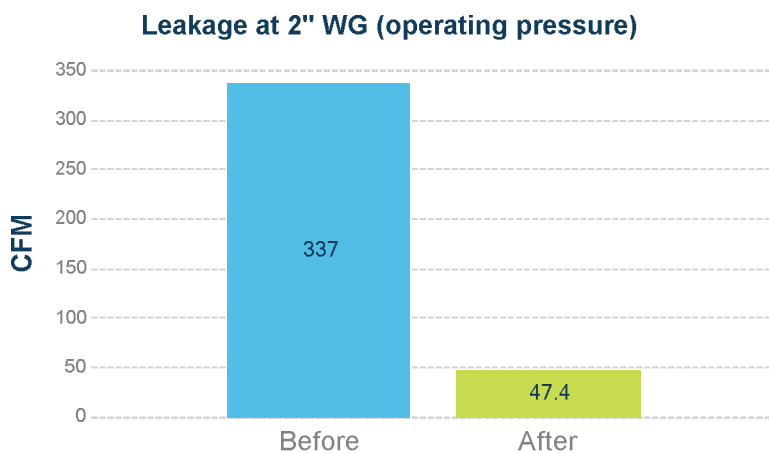
511.2 CFM

Leakage After Sealing

71.8 CFM

Leakage Test

PASS

**Duct sealing performed by:**

Aeroseal Technician
Aeroseal LLC
225 Byers Rd
Miamisburg, OH 45324
Phone:

Note: Duct leakage results reported by Aeroseal conform to the calculations laid out in method D of ASTM E 1554: Standard Test Methods for determining air leakage of air distribution systems by fan pressurization.



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Duct surface area calculator

Rectangular				
Sect. No.	W x H (in.) (in.)		Len. (ft)	Surface Area (ft²)
1	18	18.0	100.0	600.0
2	12	18.0	75.0	375.0
Total				975.0

Round			
Sect. No.	Diam. (in.)	Len. (ft)	Surface Area (ft²)
1	18	90.0	424.1
2	12	50.0	157.1
Total			581.2

Note: Duct leakage results reported by Aeroseal conform to the calculations laid out in method D of ASTM E 1554: Standard Test Methods for determining air leakage of air distribution systems by fan pressurization.