

HSC-5 RESIDENTIAL DUCT



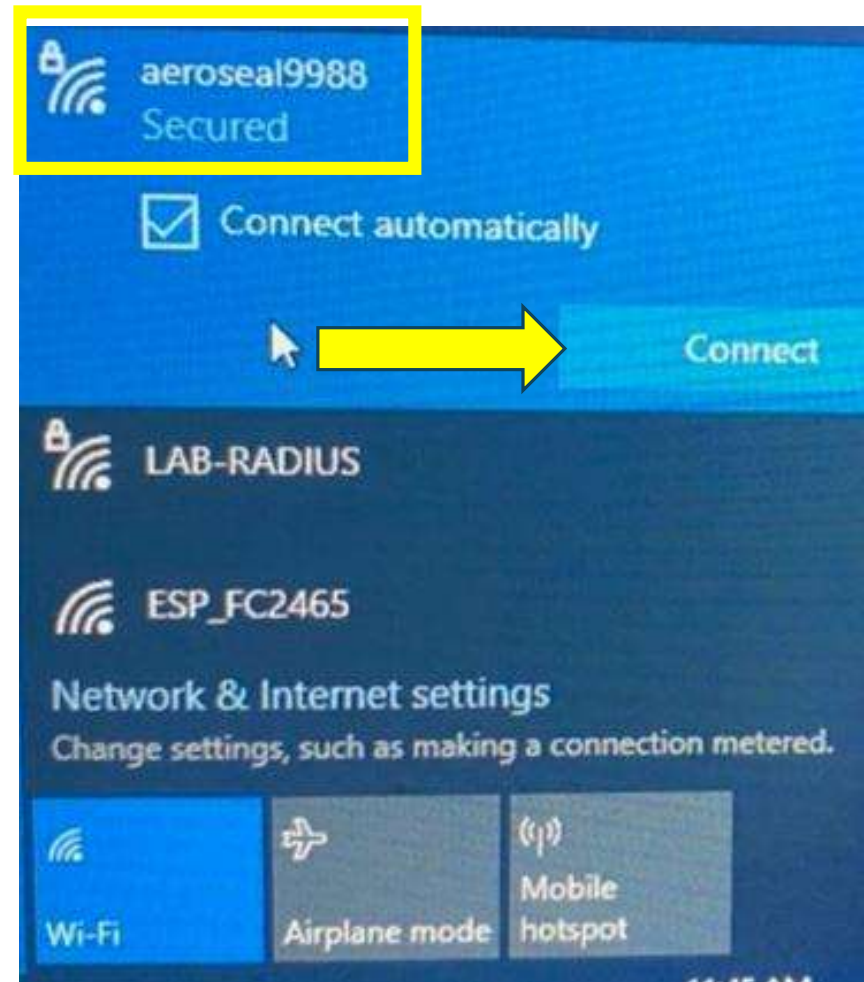
AEROSUITE SOFTWARE

2025



Connect Laptop To FanBox WiFi Router

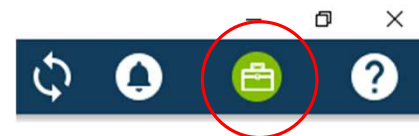
- FanBox / Router Powered (main)
- Open Available WiFi Networks
- Select The FanBox ID and Connect



WI-FI CONNECTIONS STATUS



- If you go out of range,
 - Clang sound (~20s)
 - Note: If back in range within 10s after clang sound, you can resume regular operation in the seal screen without interruption
 - Boat Horn sound (~30s)
 - Fan Box goes into safe mode
 - In safe mode, only the fan will be "on". Pump and compressed Air will be turned "Off". Operator will have to press "Start" button to resume operation.
- When back in Range,
 - a "Connection Tone" will sound.





2025

| AEROSUITE

INITIAL SET UP

ADDING TECH NAMES

Dashboard

Customer

Discover

Setting

Log Out

Welcome Dealer/Technician Name

January 11, 2023

+ New Seal

What's New in Software Update 1.6.0.0

Users can now add technicians in the cloud, making them available in sealing event screen and certificates.

785
Lifetime Tot

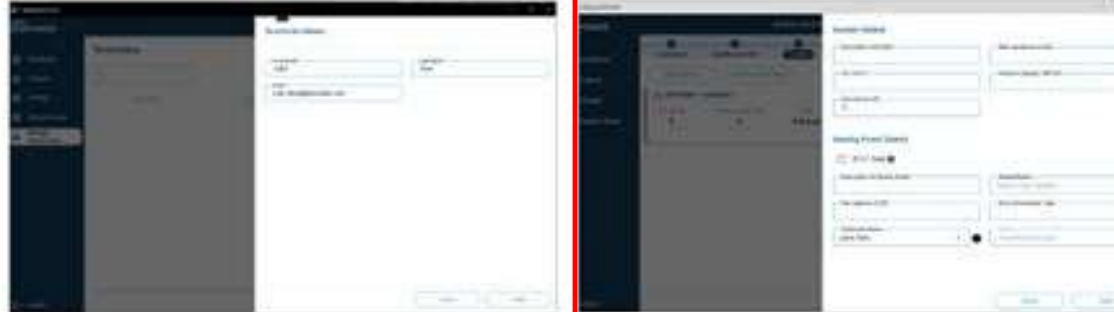
Recent Activities

Customer Name
1 of 2 seals com

Customer Name
4 of 4 seals com

Customer Name
4 of 4 seals completed

Residential | 11.29.22



TECHNICIAN NAME

- Last Month
- Current Month

View All

View Details

View Details

View Details

Dashboard

Customer

Discover

Setting

Log Out

Welcome Dealer/Technician Name

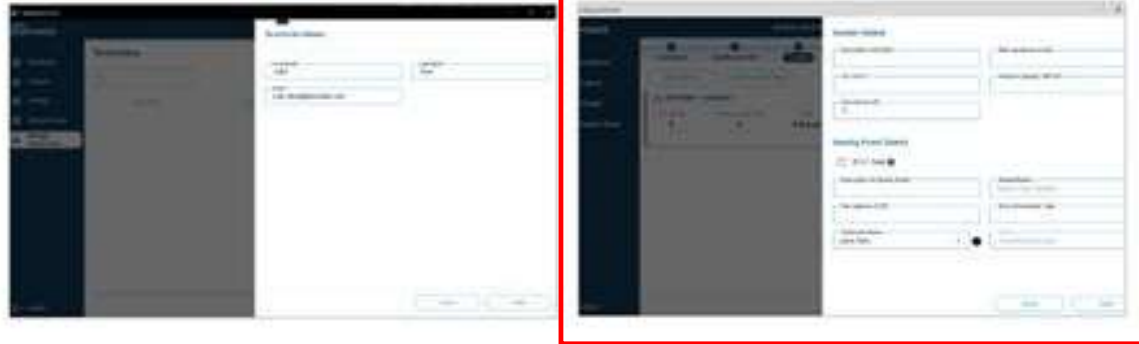
January 11, 2023

+ New Seal

- Last Month
- Current Month

What's New in Software Update 1.6.0.0

Users can now add technicians in the cloud, making them available in sealing event screen and certificates.



IECC SEAL

785
Lifetime Tot

Recent Activities

Customer Name
1 of 2 seals completed

Customer Name

4 of 4 seals completed

Residential | 11.29.22

[View Details](#)

4 of 4 seals completed

Residential | 11.29.22

[View Details](#)

[View All](#)

Residential | 11.29.22

[View Details](#)

Dashboard

Customer

Discover

Setting

Log Out

Welcome Dealer/Technician Name

January 11, 2023

+ New Seal

Monthly Activity

Last Month
Current Month

What's New in Software Update 1.6.0.0

Introducing IECC seals: AeroSuite now allows users to classify a sealing event as an IECC seal and specify pressure probe locations and the fan injection point. These details will be displayed on the bar chart certificate.



785
Lifetime Total

Recent Activity

Customer Name
1 of 2 seals completed

Customer Name
4 of 4 seals completed

[View All](#)

11.29.22

[View Details](#)

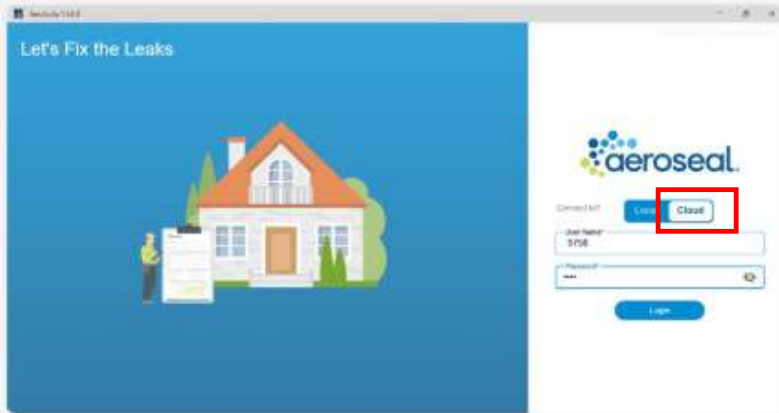
11.29.22

[View Details](#)

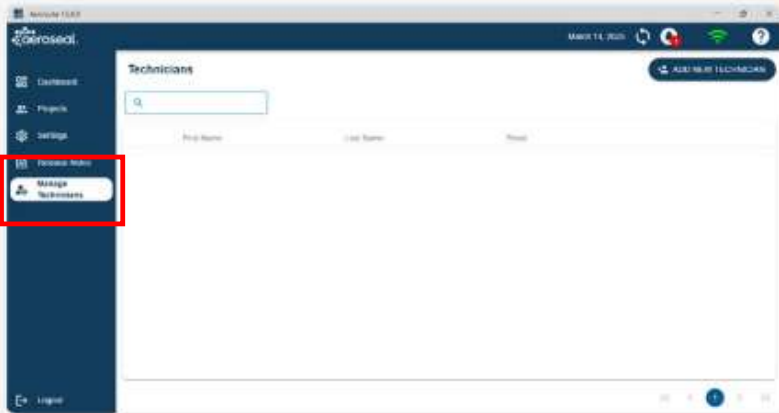
IECC SEAL

1. Login to cloud

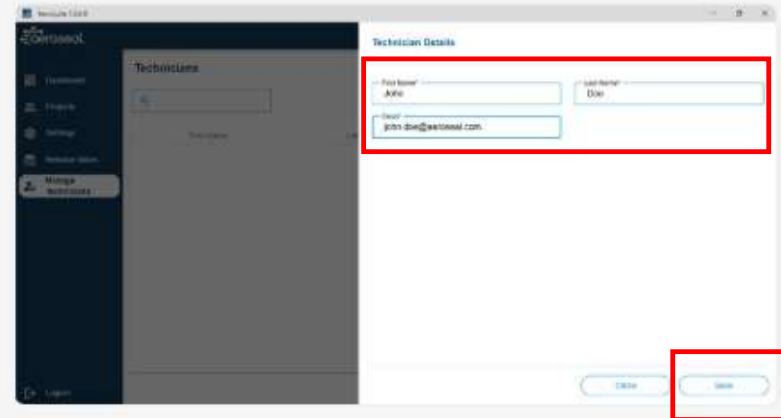
Connected to the internet



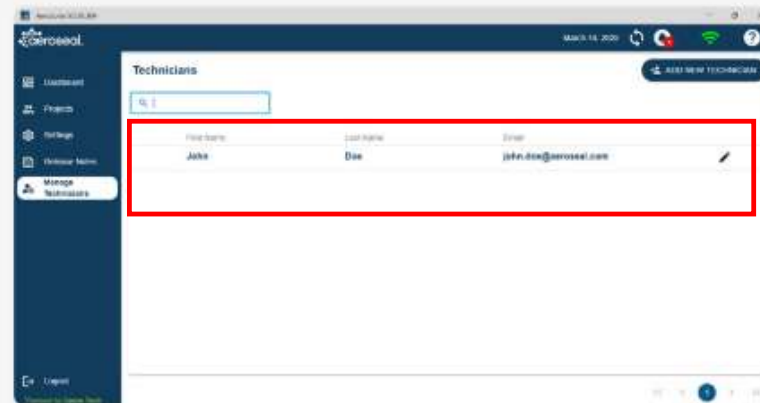
2. Navigate to manage technicians



3. Add Technician: Enter First Name, Last Name, Email



4. Click "Save". You find the list of technicians you added



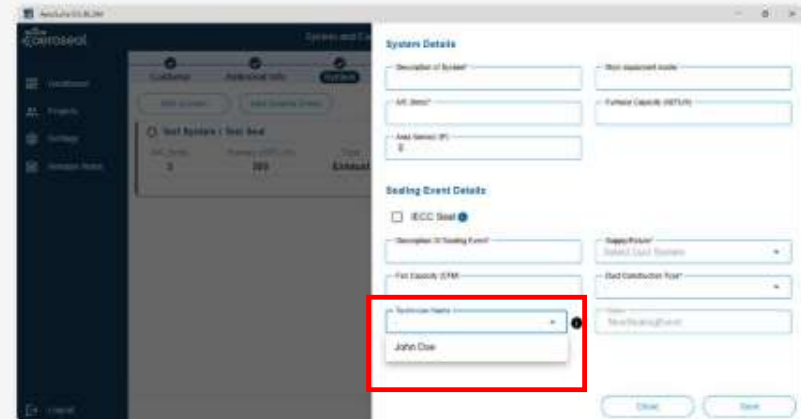
5. Login to local



6. Perform a Sync



7. Add customer and navigate to system/sealing event screen.



Technician Names **entered/saved** will now appear in the dropdown at the seal event screen



2025

| AEROSUITE
BASIC PAGE
NAVIGATION

[Click here to Activate your device](#)

Let's Fix the Leaks



Connect to?

Local

Cloud

User Name*	User Name	6385
Password*	Password	6385 

Login

USE THE CASE ID FOR BOTH USERNAME AND PASSWORD

Dashboard

Projects

Settings

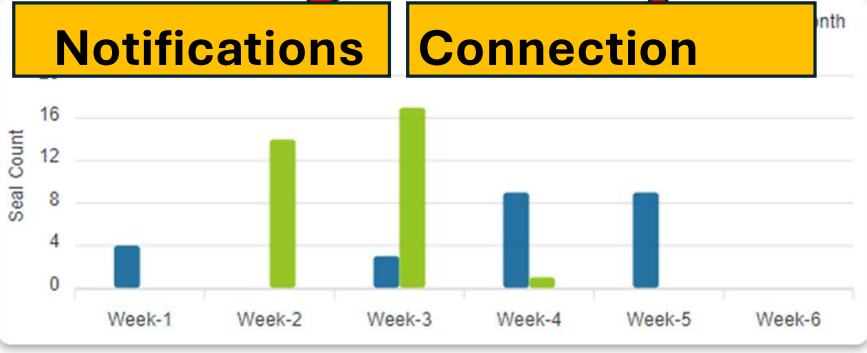


Welcome Technician User

89
Lifetime Total Seals

14643
Lifetime Total CFM

SYNC [NEW PROJECT](#)



Recent Activity

Glover Danny 5612
1 of 1 seals completed RES | 3/19/2024

[Copy](#) [Continue Sealing](#) [View Summary](#)

Sean Demo 5612
0 of 1 seals completed RES | 3/15/2024

[Copy](#) [Continue Sealing](#) [View Summary](#)

Broadhurst S 5612
0 of 1 seals completed RES | 3/14/2024

[Continue Sealing](#) [View Summary](#)

[View All](#)

THE DASHBOARD DISPLAYS RECENT ACTIVITY TO VIEW MORE SEAL ACTIVITY, BOTH "VIEW ALL" AND "PROJECTS" OPENS ALL JOBS VIEW

Logout



NEW PROJECT

Glover Danny 5612
 1 of 1 seals completed RES | 3/19/2024
[Copy](#) [Continue Sealing](#) [View Summary](#)

Sean Demo 5612
 0 of 1 seals completed RES | 3/15/2024
[Copy](#) [Continue Sealing](#) [View Summary](#)

Broadhurst Scott 5612
 0 of 1 seals completed RES | 3/14/2024
[Copy](#) [Continue Sealing](#) [View Summary](#)

Doe John 5612
 0 of 1 seals completed RES | 3/14/2024
[Copy](#) [Continue Sealing](#) [View Summary](#)

NESH SAM 5612
 0 of 1 seals completed RES | 3/14/2024
[Copy](#) [Continue Sealing](#) [View Summary](#)

Diaz Jose 5612
 1 of 1 seals completed RES | 3/14/2024
[Copy](#) [Continue Sealing](#) [View Summary](#)

MC ALLEN 5612
 0 of 1 seals completed RES | 3/13/2024
[Copy](#) [Continue Sealing](#) [View Summary](#)

NESH SAM 5612
 0 of 2 seals completed RES | 3/13/2024
[Copy](#) [Continue Sealing](#) [View Summary](#)

NESH SAM 5612
 0 of 1 seals completed RES | 3/13/2024
[Copy](#) [Continue Sealing](#) [View Summary](#)

shmoe joe 5612
 0 of 1 seals completed RES | 3/12/2024
[Copy](#) [Continue Sealing](#) [View Summary](#)

COLOR CODES:

- GREEN=ALL SEALING EVENTS UNDER THAT PROJECT ARE COMPLETED (certificate printed)
- ORANGE= SOME SEAL EVENTS ARE COMPLETED
- GRAY=NONE OF THE SEALS ARE COMPLETED

Dashboard

Projects

Settings



Registry >

Profile >

About >

Preferences >

Run Diagnostics >

Component Checks >

Case ID: 5612

Software Information

Type Of Hardware

HSC

Wireless MAC Address

-

License Type

RES

Type of Connection

-

Manometer

make

_UNKNOWN_MAKE_

model

_UNKNOWN_MODEL_

serial_no

_UNKNOWN_SERIAL_NUMBER_

BASIC INFORMATION ABOUT YOUR SYSTEM



Dashboard

Projects

Settings

Registry

Profile

About

Preferences

Run Diagnostics

Component Checks



Dealer Information

Certificate Contractor Name*

City*

State*
Select State

Zip Code*

Country

Mobile Number*

Fax Number

Email*

Upload Dealer Logo

Click here to upload a logo

Clear

Supported formats JPG, PNG; Image Size: 200px x 100px Max; File Size: 2MB Max

Save

ENTER YOUR DEALER INFORMATION AND LOGO TO APPEAR ON CERTIFICATES

Logout

AeroSuite 1.0.3.1

aeroseal.

5612

March 20, 2024

Registry >

Profile >

About >

Preferences >

Run Diagnostics >

Component Checks >

Software Version

AeroSuite	1.0.3.1
Database	-
Core	-
Firmware	-

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Contact Information

800-772-6459

support@aeroseal.com


http://www.aeroseal.com

Check for Updates

Dashboard

Projects

Settings



Logout

**TECH SUPPORT CONTACTS
AND
CHECK FOR SOFTWARE
UPDATES**

AeroSuite 0.3.0.0

aeroseal

Component Checks 9986 January 16, 2024

Registry >
Profile >
About >
Preferences >
Run Diagnostics >
Component Checks >

Instructions

TO PERFORM HEATER TEST:

- Insert a power cable into one or both heater power receptacles. Check the corresponding heater checkboxes. Click 'Start Test'. The test will run for 10 seconds, and heater voltage readings will appear in the analog readings.

TO PERFORM SPRAYER TEST:

- Insert a power cable into the main (top) power receptacle. Check the sprayer checkbox. Click 'Start Test'. The test will run for 10 seconds, look for Nozzle air temperatures to rise and stabilize.

Fan

0% Fan Speed 0%

Inlet Gate 4

Heater Selection 00:00:00

Heater 1 Heater 2

Sprayer Heater

Start

Analog Readings

Heaters	0 V
Relay Board Type	5 V
Inlet Temp	72 °F
Cylinder Temp	72 °F
Inlet Humidity	71.1%
Compressed Air Transducer	0 V
Nozzle Air Temp	175.6 °F

Fan Readings

Duct Pressure	0 Pa
Fanbox Pressure	0 Pa
Fan Flow	-
EFLA	-
Duct Leakage	CFM ₂₅

Logout

THIS SCREEN IS TO CHECK HARDWARE OPERATION

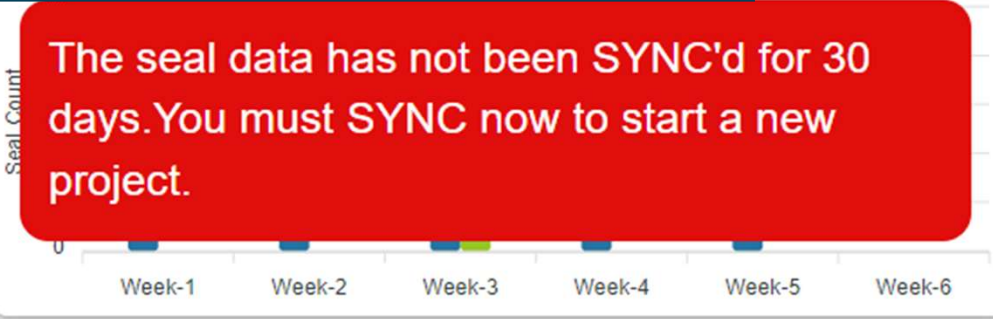
Welcome Technician User

SYNC

NEW PROJECT

YOU MUST PERFORM A SYNC ONCE PER CALENDAR MONTH OR AFTER 50 SEALS WHICHEVER COMES FIRST

CONNECT TO THE INTERNET TO SYNC



Recent Activity

[View All](#)

TEST AB | 9933 | 3/12/2024
TEST-S 1 of 2 completed

[Edit](#) [Manage Sealing Events](#) [View Summary](#)

TAB AB | 9933 | 2/28/2024
3594-bug 0 of 4 completed

[Edit](#) [Manage Sealing Events](#) [View Summary](#)

TEST-ERROR-1 AB | 9933 | 2/26/2024
225 0 of 1 completed

[Copy](#) [Edit](#) [Continue Sealing](#) [View Summary](#)

TAB AB | 9933 | 2/22/2024
wde 0 of 1 completed

[Copy](#) [Edit](#) [Continue Sealing](#) [View Summary](#)

Let's Fix the Leaks

For dealers previously operating on Smartseal

To View/Print previous Projects/Certificates



- 1. Connect to the internet**
- 2. Login under “Cloud”**



Connect to?

Local

Cloud

User Name*

User Name

USING SAME LOGIN

Password*

Password

USING SAME PASSWORD

Login

aeroseal.

Dashboard

Customers

Settings



Logout

Customer Additional Info System Preseal Seal Flush/Cooldown Postseal Certificate

**SEARCH PROJECT HISTORY
SELECT THE CUSTOMER CARD
CLICK "VIEW SUMMARY"**

Last Name*

ZipCode* #

Country*

Preferred Communication Mode OFFLINE

Job Information

Square Footage*

of floors

of rooms

Is Basement Finished?

Why getting sealed?*

How was the job sold?*

Save

Next (F9)

- 6033 /2023 [mary](#)
- 5601 /2023 [mary](#)
- 6033 /2023 [mary](#)
- 5601 /2023 [mary](#)
- 5601 /2023 [mary](#)

SELECT THE CERTIFICATE FORMAT

CLICK PRINT TO VIEW/PRINT CERTIFICATE

Search By Name

Level Uppe
1 of 2 seals completed

1 of 1 seals completed

0 of 1 seals completed

Reed Testing FREE
0 of 1 seals completed

frieman arco comfort air
1 of 1 seals completed

doe john

123 oakveiw, branson, MO, 65616

johndoe@yahoo.com

1 of 1 seals completed

Certificate Options
Line Graph

Print

System

closet upflow

Sealing Event

supply in attic

Leakage @ CFM 25

Status: Certificate Printed



	Leakage(CFM ₂₅)	Eq. Hole Size(Sq.In.)
Preseal	109.7	20.7
Postseal	15	2.8
Improvement	94.7	17.9

[Previous](#)

1 of 1

[Next](#)

Close

Print

Total: 1 sheet of paper

Printer

Microsoft Print to PDF

Copies

1

Pages

All

e.g. 1-5, 8, 11-13

Color

Color

More settings

Print using system dialog... (Ctrl+Shift+P)

Print

Cancel



CERTIFIED LEAKAGE REPORT

Duct sealing performed for:

123 oakveiw
branson, MO 65616
Phone:

AeroSeal Case ID:5601

Technician Name:
System Description:closet upflow
Seal Description:supply in attic
Hardware:Homeseal Connect
Date:4/5/2023

BASKETBALL

Initial Leakage

110 CFM₂₅ = 20.7 sq. in. hole

Equivalent to throwing
110 basketballs of air outside of
your conditioned space every minute



Final Leakage

15 CFM₂₅ = 2.8 sq. in. hole

Equivalent to throwing
15 basketballs of air outside of
your conditioned space every minute

Leakage - 9.1%
System Capacity - 90.9%



86.3%
Improvement

Leakage - 1.3%
System Capacity - 98.7%



frieman arco comfort air

1 of 1 seals completed

RES | 4

Previous

1 of 1

Next

Close

Print

35

(In.)

20.7

2.8

17.9

Logout

Print

Total: 1 sheet of paper

Printer

Microsoft Print to PDF

Copies

1

Pages

All

e.g. 1-5, 8, 11-13

Color

Color

More settings

Print using system dialog... (Ctrl+Shift+P)

Print

Cancel



CERTIFIED LEAKAGE REPORT

Duct sealing performed for:

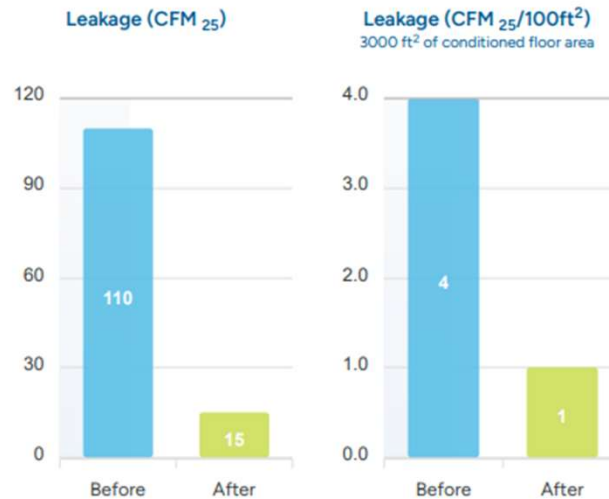
123 oakveiw
branson, MO 65616
Phone:

AeroSeal Case ID:5601

System Description:closet upflow
Seal Description:supply in attic
Hardware:Homeseal Connect

Technician Name:
Date:4/5/2023

BAR GRAPH



Duct leakage results are calculated in Cubic Feet per Minute (CFM) calculated at a STANDARD OPERATING PRESSURE of 25 Pa.

Initial leakage equivalent to
20.7 sq. in. hole

Final leakage equivalent to
2.8 sq. in. hole

Final leakage @ 25Pa
.5 CFM/100 sq ft.

Leakage as % of system capacity

9.1% Before **1.3%** After



Previous

1 of 1

Next

Close

frieman arco comfort air

1 of 1 seals completed

RES | 4

Logout

Print

Total: 1 sheet of paper

Printer

Microsoft Print to PDF

Copies

1

Pages

All

e.g. 1-5, 8, 11-13

Color

Color

More settings

Print using system dialog... (Ctrl+Shift+P)

Print

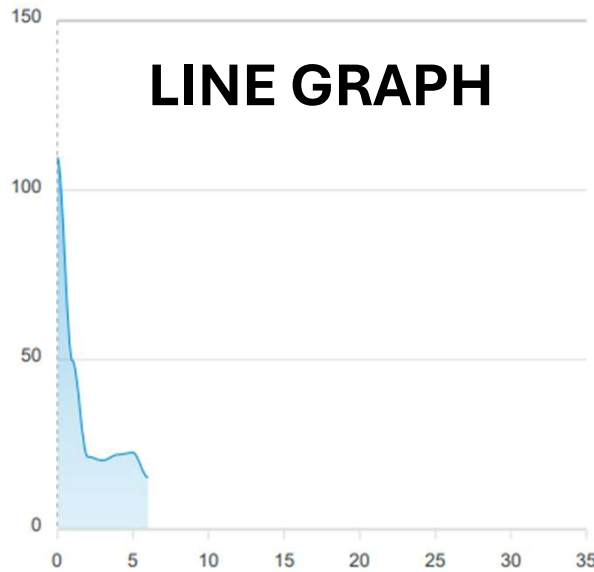
Cancel

Duct sealing performed for:

123 oakveiw
branson, MO 65616
Phone:
Square Footage: 3000

Technician Name:
Date:4/5/2023

Leakage (CFM₂₅)



Duct leakage results are calculated in Cubic Feet per Minute (CFM) calculated at a STANDARD OPERATING PRESSURE of 25 Pa.

Going Beyond Any Other Energy Reduction Service

AeroSeal Case ID:5601
System Description:closet upflow
Seal Description:supply in attic
Hardware:Homeseal Connect

	Initial	Final
CFM ₂₅	110	15
CFM ₂₅ /100 ft ²	3.7	.5
Equivalent Hole Size	20.7 in ²	2.8 in ²
% System Capacity	9.1%	1.3%



Scan for more details.

Previous

1 of 1

Next

24 Close

frieman arco comfort air

1 of 1 seals completed

RES | 4

Logout

Customer Additional Info System

System: **Basement Furnace and AC**

Sealing Event: **Basement Furnace & AC Supply**

Inlet Gate

Not Set

Target Pressure (Pa)

25

Print

Stop (F3)

Start

EACH SCREEN HAS THE HELP (?)

**THIS WILL EXPLAIN PAGE
NAVIGATION AS WELL AS
ERROR/ALARM DESCRIPTIONS**



Top Navigation ▾

Left Navigation ▾

Horizontal navigation bar show all the steps involved in the sealing process and highlights the current step in the process.

Preseal Process

Preseal is the first step of the sealing process where you establish the duct leakage before doing any work. After you set up the machine, blue tube and also prep the ductwork registers and injection point, you need to do the following two steps :

1. Choose the inlet gate setting value from dropdown box [Make sure that this matches the actual gate setting on your fan box]. Typically, you would start at Gate 2.
2. Click the Start button. This to start the Preseal. initiates the preseal test sequence. You will notice that the fan ramps up and adjusts speed to get to 25Pa duct pressure. Look for gate change recommendations in the dialog box on the right and make the adjustment on the machine and software appropriately. You will need to do this to get the most accurate preseal reading.
Note that real time readings for duct pressure, fanbox pressure, speed and fan flows are displayed on the top right-hand side of the screen as the system stabilizes to find an accurate reading.
3. The Preseal results are displayed on the left-hand side of the screen. The results are reported as CFM25Pa which is the industry standard for Residential homes. ELA (Estimated leakage area) is also displayed for ready use.
4. In some situations where the fan is unable to quickly reach 25Pa, you can take control of the fan by selecting the "Manual" option in the Fan section.

25
Close

Customer Additional Info System

System: Training Center

Sealing Event: Supply

Inlet Gate Not Set

Set Fluid Level (%) 0

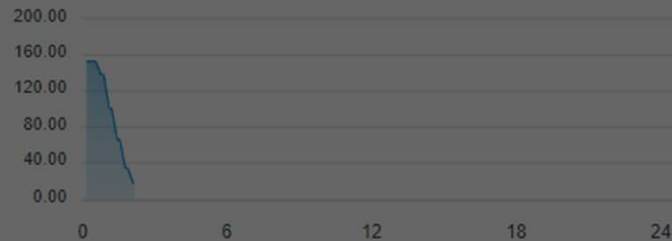
Sprayer

Sprayer Temp 81.2 °F

Heater 1

Cylinder Temp 69.9 °F

Leakage @ CFM₂₅



Emergency Stop (Esc)

Logout

Help - Sealing

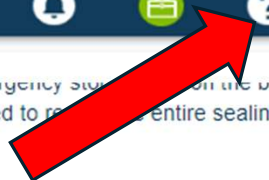
In case of an alarm, you will need to fix the abnormality and then that you can press the 'Pause' button to pause sealing any time. Emergency stop button on the bottom left is available to shut down the entire system after which you will need to re-start the entire sealing sequence to re-commence.

Quick troubleshooting tips for alarms and warnings during SEALING stage.

1. Blown Seal Alarm occurs when software detects a sudden change in leakage
2. Low Compressed Air Alarm
3. Danger of Raining Sealant Alarm
4. Low Duct Pressure
5. Sprayer Overheating Alarm is caused when:
6. High Duct Pressure
7. Fan box Pressure Low (Click for more details)
8. Low Duct Flow (Fan air flow below 150 CFM)

Close

ERROR/ALARM DESCRIPTIONS





- Dashboard
- Customers
- Settings

Customer Additional Info System

System: **Training Center**

Sealing Event: **Supply**

Inlet Gate: Not Set

Set Fluid Level (%): 0

Sprayer Temp: **81.2 °F**

Cylinder Temp: **69.9 °F**

Leakage @ CFM₂₅

Emergency Stop (Esc)

**THE DOWN ARROW
OPENS TROUBLESHOOTING
STEPS ASSOCIATED WITH THE
ALARM**

Help - Sealing

In case of an alarm, you will need to fix the abnormality and then press Start to re-start the sealing. Note that you can press the 'Pause' button to pause sealing any time. 'Emergency stop' button on the bottom left is available to shut down the entire system after which you will need to restart the entire sealing sequence to re-commence.

Quick troubleshooting tips for alarms and warnings during SEALING stage.

- Blown Seal Alarm occurs when software detects a sudden change in leakage**
 - 1. Check for blown Register blocker or any disconnected duct work.
 - 2. Sudden change in Blue tube pressure
 - Check for pinched or crushed tubes
 - Check for tube dislodged from duct or the machine
 - Check for Windy conditions that would hurl layflat tubing around. Secure the same to get stable manometer readings.
 - 3. Sudden changes in Fanbox pressure due to windy conditions or disturbances at the bulkhead reference port on the fan box lid.
 - Reposition fan box or shield from air disturbances.
 - Add a second clear tube to the reference port and run that into a "solo cup" to shielded from wind.
 - Low Compressed Air Alarm
 - Danger of Raining Sealant Alarm
- Close



2025

| AEROSUITE
OPERATIONAL SCREENS

- Dashboard
- Projects
- Settings



Logout

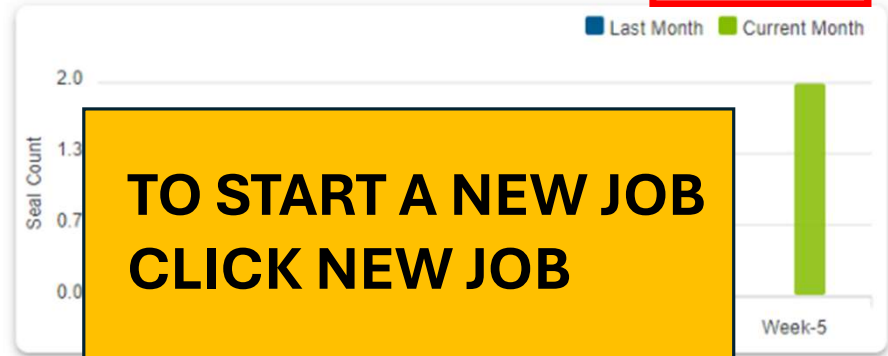
Welcome Technician User

SYNC

NEW JOB

0
Lifetime Total Seals

0
Lifetime Total CFM



Recent Activity

[View All](#)

BOBS 6030
0 of 1 seals completed RES | 9/27/2023

[Copy](#) [Continue Sealing](#) [View Summary](#)

LEMBLE MIKE 6030
0 of 1 seals completed RES | 9/27/2023

[Copy](#) [Continue Sealing](#) [View Summary](#)



Dashboard

Projects

Settings



Residential Retrofit



Residential New Construction (RNC)

SELECT THE TYPE OF JOB YOU ARE PERFORMING

Logout





Dashboard

Projects

Settings



Logout

Customer

Additional Info

System

Preseal

Seal

Flush/Cooldown

Postseal

Certificate

RNC Information

Builder Name*

Address*

ZipCode*

City*

State*

Country*

Email

Mobile Number

Preferred Communication Mode

Job Information

Square Footage*

of floors

of rooms

Is Basement Finished?

Why getting sealed?

How was the job sold?

**RESIDENTIAL NEW CONSTRUCTION
WILL ASK FOR BUILDER NAME, ETC.**

Save

Next (F9)

- Dashboard
- Projects
- Settings



Residential Retrofit

Residential New Construction (RNC)

SELECT FOR ALL FINISHED HOMES

Logout



WORKFLOW SCREENS PROGRESS LEFT TO RIGHT ACROSS

THE TOP

Customer Additional Info System Preseal Seal Flush/Cooldown Postseal Certificate

Home Owner's Information

First Name*	Middle Name	Last Name*
Address*	ZipCode*	
City*	State* Select State	Country*
Email*	Mobile Number*	Preferred Communication Mode OFFLINE

Job Information

Square Footage*	# of floors	# of rooms	Is Basement Finished?
Why getting sealed?	How was the job sold?		

**FIELDS WITH AN ASTERIX *
ARE REQUIRED FIELDS**

Save

Next (F9)
33



- Dashboard
- Projects
- Settings



Logout

Customer Additional Info System Preseal Seal Flush/Cooldown Postseal Certificate

Home Owner's Information

First Name* MIKE	Middle Name 	Last Name* LEMBLE
Address* 9075 BYERS RD.		ZipCode* # 45340
City* MIAMISBURG	State* Ohio	Country* USA
Email* MIKE@AEROSEAL.COM	Mobile Number* (614) 333 3333	Preferred Communication Mode OFFLINE

Job Information

Square Footage* 3000	# of floors 2	# of rooms 8	Is Basement Finished? N/A
Why getting sealed? Sold with rebate	How was the job sold? Bundled with HVAC		

- Sold with rebate
- Free or demo seal
- None of the above

Save

Next (F9)



Customer Additional Info System Preseal Seal Flush/Cooldown Postseal Certificate

Home Owner's Information

First Name* Middle Name Last Name*

Address* ZipCode*

City* Country*

Email* Preferred Communication Mode

Job Information

Square Footage* # of floors Is Basement Finished?

Why getting sealed?

How was the job sold?

- Bundled with HVAC
- Bundled with duct cleaning
- Bundled with solar or energy services
- Aeroseal as standalone service/repair
- New Construction seal
- Other
- Bundled with HVAC

- Dashboard
- Projects
- Settings



Customer

Additional Info

System

Preseal

Seal

Flush/Cooldown

Postseal

Certificate

Notes

NOTES SPECIFIC TO THIS JOB

Upload Documents or Photos

Supported format: PDF, PNG, JPG, Xls only 2MB Max

**JOB DETAILS AND PHOTOS CAN BE ENTERED
HERE
NON-CUSTOMER-FACING**

Save

Previous (F8)

Next (F9)

Logout

Customer

Additional Info

System

Preseal

Seal

Flush/Cooldown

Postseal

Certificate

Add System

Add Sealing Event

SEE THE TUTORIAL VIDEO ON PERFORMING A CAZ TEST IF ONE IS DEEMED NECESSARY

OTHERWISE, ACKNOWLEDGE AND CONTUNUE



Sealing an air handling system can in some circumstances result in back-drafting of naturally drafted appliances, which can cause carbon monoxide to enter the home. If the residence contains within the conditioned airspace a naturally drafted combustion appliance, such as a water heater or 80% efficiency furnace, a Combustion Area Zone test must be performed in accordance with ANSI / ACCA 12 QH-2014, Section 3.2.2, Appendix A Section A4 (Depressurization Test for the Combustion Appliance Zone). If the test reveals back-drafting then additional combustion air sources must be added until the back-drafting is prevented.

Acknowledge

Continue



Previous (F8)

Next (F9)

Logout

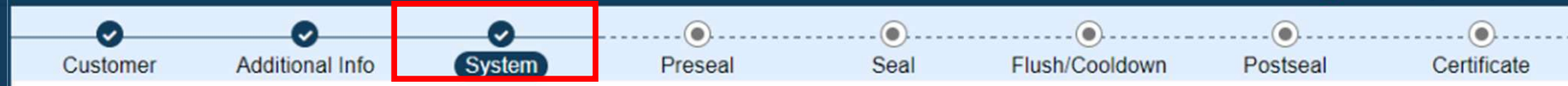
aeroseal.

- Dashboard
- Projects
- Settings
- Logout



System and Event Details

September 27, 2023



ADD SYSTEM AND SEAL EVENT

aeroseal.

System and Events

- Dashboard
- Projects
- Settings
- Release Notes
- Logout

TO DESCRIBE THE (HVAC) SYSTEM:

- “CLOSET UPFLOW” FOR EXAMPLE
- AC TONNAGE IS A CRITICAL METRIC AS IT WILL COMPARE LEAKAGE AS A % OF SYSTEM CAPACITY (See Application Note 010 Determining System Tonnage)
- Determine square footage area serviced by this system when more than 1 system in the home

TO DESCRIBE SEAL EVENT:

“SUPPLY- PLENUM INJECTION” OR “RETURN -TRUNK INJECTION” FOR EXAMPLE

ADD TECHNICIAN NAME
WHO IS PERFORMING THE SEAL

SELECT DUCT TYPE from pulldown

System Details

Description of System*

A/C (tons)*

Area Served (ft²)

Main equipment model

Furnace Capacity (kBTU/h)

Sealing Event Details

IECC Seal ⓘ

Description Of Sealing Event*

Fan Capacity (CFM)

Technician Name ⓘ

Supply/Return*
Select Duct System ▼

Duct Construction Type*
▼

- DuctBoard
- Metal Flex Duct, Wood, Flex
- Metal, Metal joined with slip and drive connections
- Concrete/Masonry
- Metal with flanged and gasketed connections



Customer Additional Info **System**

Add System Add Sealing Event



IF THIS SEAL EVENT IS FOR CODE COMPLIANCE – CHECK THE “IECC” BOX AND ADD THE ADDITIONAL INFORMATION

NOTE: TECHNICIAN NAME IS REQUIRED ON ALL IECC-COMPLIANT SEALS

System Details

Description of System*

Main equipment model

A/C (tons)*

Furnace Capacity (kBTU/h)

Area Served (ft²)

Sealing Event Details

IECC Seal Checking this box will turn this Sealing Event into an IECC 2021: R402.4.1.2 Certified Seal.

Description Of Sealing Event*

Supply/Return*

Fan Capacity (CFM)

Duct Construction Type*

Technician Name* ⓘ

Status

Fan Injection Point*

Location of Pressure Probes*

Close Save

- Dashboard
- Projects
- Settings

Logout

- Customer
- Additional Info
- System**
- Preseal
- Seal
- Flush/Cooldown
- Postseal
- Certificate

- Add System
- Add Sealing Event

BASEMENT UPFLOW / SUPPLY - PLENUM INJECTION

A/C	Furnace	Type	Duct Pa
3.5	80	Supply	750

[View Details](#)

System and sealing event details are saved

SYSTEM AND SEAL EVENT – ADDED SUCCESSFULLY

- Previous (F8)
- Next (F9)



- Dashboard
- Projects
- Settings

- Customer
- Additional Info
- System**
- Preseal
- Seal
- Flush/Cooldown
- Postseal
- Certificate

Add System Add Sealing Event

<input checked="" type="radio"/>	BASEMENT UPFLOW / SUPPLY - PLENUM INJECTION		
A/C	Furnace	Type	Duct Pa
3.5	80	Supply	750
View Details			

SELECT THE SEAL EVENT AND PROCEED TO THE NEXT SCREEN

Logout

Previous (F8)

Next (F9)

Dashboard

Projects

Settings

Customer

Additional Info

System

Preseal

Seal

Flush/Cooldown

Postseal

Certificate

System: BASEMENT UPFLOW

Sealing Event: SUPPLY - PLENUM INJECTION

00:00:00

Inlet Gate
2

Target Pressure (Pa)
25

Stop (F3)

Start (F2)

Fan

0%
Fan Speed

Automatic

Manual

0%

-0.1 Pa

Duct Pressure

0.17 Pa

Fanbox Pressure

-

Fan Flow



**START ON GATE 2
UNTIL THE SOFTWARE RECOMMENDS A
CHANGE**

**IT IS RECOMMENDED TO
PERFORM A FOG TEST PRIOR TO
PRESEAL**

SEE 5-F PROTOCOL

– SEE FOLLOWING PAGE

fanbox setting

Logout

Previous (F8)

Next (F9)



The 5 F's



FOG – IT

Inject fog through the fanbox into the duct system you are sealing



FIND – IT

- Missing or leaking blocks
- Damaged or disconnected ductwork
- Areas of significant overspray



FEEL – IT

Perform preseal leak test prior to making any repairs or manual sealing



FIX – IT

Proceed to making any necessary duct repairs

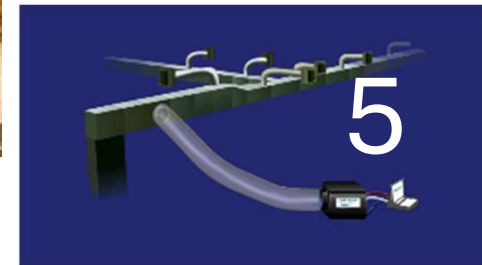


FINISH – IT

Inject sealant



	CFM@25Pa	Sq In
Preseal	139.9	26.4
Postseal		
Improvement		



Customer Additional Info **Preseal** Seal Flush/Cooldown Postseal Certificate

System: **TEST**
Sealing Event: **TEST SEAL 2**
00:00:30

Inlet Gate: 2 Target Pressure (Pa): 25
Print Stop(F3) Start(F2)

	CFM@25Pa	Sq.In
Preseal	139.9	26.4
Postseal		

Improvement

Fan: 26.9% Fan Speed
Automatic Manual
0%

25.1 Pa Duct Pressure | -15.0 Pa Fanbox Pressure | 139.6 CFM Fan Flow

- Preseal leakage test is completed
- If you wish to run test again, select an "Inlet Gate"
- Click on "Start" button to rerun preseal leakage test

AVOID DISTURBING THE LAYFLAT OR MANOMETER TUBING DURING LEAK TESTING

System: **BASEMENT UPFLOW**
Sealing Event: **SUPPLY - PLENUM INJECTION**
00:00:00

Inlet Gate
2

Set Fluid Level (%)
100

Pause (F4) Stop (F3) **Start (F2)**

Fan

0% Fan Speed

Automatic Manual

9 CFM Fan Flow

0.78 Pa Duct Pa

EfLA

Sprayer
Sprayer Temp 104.7 °F

Heater 1
Cylinder Temp 84.2 °F

Heater 2
Volt 0.00 V

- Select an "Inlet Gate"
- Set "Fluid Level"
- Click on "Start" button to start sealing

BEGIN THE SEAL ON THE SAME GATE SETTING AS THE PRESEAL LEAK TEST
IT IS RECOMMENDED TO START WITH A FULL GALLON OF SEALANT ON EVRY SEAL EVENT

Fanbox Pressure -0.1 Pa
 Duct Leakage CFM₂₅
 Duct Leakage (% Sys CFM) -
 Inlet Humidity 55.5%
 Inlet Temp 82.6 °F

Customer Additional Info System Preseal **Seal** Flush/Cooldown Postseal Certificate

System: **BASEMENT UPFLOW**

Sealing Event: **SUPPLY - PLENUM INJECTION**

00:00:00

Inlet Gate

2

Set Fluid Level (%)

100

Pause (F4)

Stop (F3)

Start (F2)

Fan



Automatic

Manual

0 %

EfLA

110.5 CFM

Fan Flow

2.93 Pa

Duct Pa

Sprayer

Sprayer Temp 96.2 °F

Heater 1

Cylinder Temp 83.8 °F

Heater 2

Volt 0.00 V

Fan will RAMP UP for the next 18 seconds.

DURING WARM-UP

THE SYSTEM WILL TEST THE NOZZLE FOR OVERHEATING

WHEN COMPLETED, WILL SAY "SYSTEM SPRAYING"

NOTE: CHECK THROUGH THE LAYFLAT THAT THE SPRAY CONE LOOKS GOOD FROM THE NOZZLE TIP

Emergency Stop (Esc)

Previous (F8)

Next (F9)

Customer

Additional Info

System

Preseal

Seal

Flush/Cooldown

Postseal

Certificate

System: **BASEMENT UPFLOW**
Sealing Event: **SUPPLY - PLENUM INJECTION**

00:03:11

Inlet Gate
2

Set Fluid Level (%)
96

Pause (F4)

Stop (F3)

Start (F2)

Fan



Automatic

Manual



0%

6.8 Sq. In.
EflA

246.1 CFM
Fan Flow

611.36 Pa
Duct Pa

System is currently sealing. Please change the gate to 1.

Sprayer

Heater 1

Heater 2

Sprayer Temp 251.7 °F

Cylinder Temp 81.1 °F

Volt 1.16 V

Leakage @ CFM₂₅



Fluid level
96%

Fluid Left 1 hr 2 min
Pump Setting ON
CC/M 58

Fanbox Pressure	-45.6 Pa
Duct Leakage	36 CFM ₂₅
Duct Leakage (% Sys CFM)	2.6%
Inlet Humidity	54.4%
Inlet Temp	79 °F

Emergency Stop (Esc)

Previous (F8)

Next (F9)

Customer Additional Info System Preseal **Seal** Flush/Cooldown Postseal Certificate

System: **Test HSC**
Sealing Event: **Test Run 1**

00:03:17

Inlet Gate: 3 Fluid Level (%): 48

Pause (F4) **Stop (F3)** Start (F2)

Sprayer: 175.6 °F Heater 1: 137.1 °F Heater 2: 1.20 V

Leakage @ CFM₂₅

AT 5 SQUARE INCHES OF REMAINING LEAKAGE, YOU HAVE THE OPTION TO STOP SEALING BY CLICKING "STOP"

Fan: 100% Fan Speed
Automatic Manual
4.7 Sq. In. EFLA 95.3 CFM Fan Flow 237.27 Pa Duct Pa

Effective leakage area is now at or below **5 square inches**.
 • It is recommended to start flushing to avoid backflow into the fan which may cause sealant-deposit buildup requiring extra maintenance.
 • IMPORTANT: REPLACE SEALANT JUG WITH WATER JUG.
 System is currently sealing.

Fluid Left: 0 hr 31 min
Pump Setting: ON
CC/M: 58

Fanbox Pressure: -45.5 Pa
Duct Leakage: 25 CFM₂₅
Duct Leakage (% Sys CFM): 3.1%
Inlet Humidity: 71.1%
Inlet Temp: 72 °F

Emergency Stop (Esc) Previous (F8) Next (F9)

Customer

Additional Info

System

Preseal

Seal

Flush/Cooldown

Postseal

Certificate

System: Test HSC

Sealing Event: Test Run 1

00:04:10

Fan

Automatic

Manual

Inlet Gate
3

100%

Fan Speed

0%

Effective leakage area is now at 3 square inches. Please proceed to system flushing and cool-down. If a tighter seal is desired, please begin the Low Seal Protocol:

- Pause the sealing process.
- Remove a register block from a register at the far end of the system.
- Install layflat or other material to vent this duct to the outside.
- Resume sealing until the sealing process flat-lines.
- Pause the sealing process and re-install the removed register block.
- Repeat as necessary on other ductwork runs as required.
- Proceed as normal with flushing and cool-down.

More Details...

Stop Sealing

Continue

68.7 CFM

Fan Flow

317.82 Pa

Duct Pa

Please proceed to system flushing and cool-down. If a tighter seal is desired, please begin the Low Seal Protocol. Sealing is paused. Please click "START" to continue sealing.

Leakage @ CFM₂₅

150

100

50

0

0 5 10 15 20 25 30 35

Sealing is Paused

AT 3 SQUARE INCHES, YOU MUST STOP SEALING UNLESS UTILIZING THE LOW-SEAL PROTOCOL STEPS AS LISTED



Fanbox Pressure

-23.7 Pa

Duct Leakage

15 CFM₂₅

Duct Leakage (% Sys CFM)

1.9%

Inlet Humidity

71.1%

Inlet Temp

72 °F

Fluid level

2%

Fluid Left

0 hr 30 min

Pump Setting

OFF

CC/M

0

Emergency Stop (Esc)

Previous (F8)

50

Next (F9)

Logout

aeroseal.

Dashboard

Projects

Settings



Logout

Customer Additional Info System Preseal **Flush/Cooldown** Postseal Certificate

System: **BASEMENT UPFLOW**
Sealing Event: **SUPPLY - PLENUM INJECTION**

00:00:00

Flushing Time: 2 mins
Cooldown Time: 1 min

Stop (F3) Start (F2)
Stop (F7) Start (F6)

Fan 70.3% Fan Speed

Automatic Manual

86.6 °F 98.5 °F 736.9 Pa -62.9 Pa

Sprayer Temp Cylinder Temp Duct Pa Fanbox Pa

AFTER CHANGING THE SEALANT FOR WATER JUG IN THE FANBOX:

- FLUSH AND COOLDOWN REQUIRES YOU TO UNPLUG BOTH H1 AND H2**

To flush, remove the container of sealant and replace it with water, select the number of minutes you want to flush the system and click start.

Emergency Stop (Esc) Previous (F8) Next (F9)



Dashboard

Projects

Settings



Customer

Additional Info

System

Preseal

Seal

Flush/Cooldown

Postseal

Certificate

System: **BASEMENT UPFLOW**

Sealing Event: **SUPPLY - PLENUM INJECTION**

00:02:00

Flushing Time
2 mins

Stop (F3)

Start (F2)

Cooldown Time
1 min

Stop (F7)

Start (F6)

Fan



Automatic

Manual



267.04 °F

Sprayer Temp

98.06 °F

Cylinder Temp

628.4 Pa

Duct Pa

-51.8 Pa

Fanbox Pa

- Flushing is now complete. Click [NEXT] to go to Postseal
- If you want to re-run test, select time from the dropdown and click [START]

ONCE BOTH FLUSH AND COOLDOWN ARE COMPLETE- ENSURE THE CYLINDER TEMP IS BELOW 130 DEGREES BEFORE PROCEEDING

Logout

Emergency Stop (Esc)

Previous (F8)

Next (F9)



AeroSuite 1.5.0.0

aeroseal

Postseal 6027 January 29, 2025

Customer Additional Info System Preseal Seal Flush/Cooldown **Postseal** Certificate

System: TEST
Sealing Event: TEST SEAL 2
00:01:59

Inlet Gate: 4 Target Pressure (Pa): 45

Stop(F3) Start(F2)

Fan: 0% Fan Speed
Automatic Manual
0%

13.3 Pa Duct Pressure | -1.1 Pa Fanbox Pressure | 6.1 CFM Fan Flow

Postseal leakage test is completed. Please check the results.

	CFM@25Pa	Sq.In
Preseal	139.9	26.4
Postseal	15.0	2.8
Improvement	124.9	23.6

Next (F9)

Logout
Powered by Optim Tech

**BEGIN THE POSTSEAL LEAK TEST
LEAVE ON WHATEVER GATE WAS USED DURING THE
END OF THE SEAL – UNLESS SOFTWARE
RECOMMENDS A LOWER GATE DURING THE TEST**



CERTIFIED LEAKAGE REPORT

Duct sealing performed for:
A Akshai
225 Byers Rd
Miamisburg, OH 45342
Phone: (123) 456 7890

Aeroseal Case ID:9986
Technician Name:9986
System Description:Test HSC
Seal Description:Test Run 1
Hardware:Homeseal Connect
Date:1/16/2024

Initial Leakage
121 CFM₂₅ = 22.8 sq. in. hole
Equivalent to throwing
121 basketballs of air outside of
your conditioned space every minute



Final Leakage
12 CFM₂₅ = 2.3 sq. in. hole
Equivalent to throwing
12 basketballs of air outside of
your conditioned space every minute

Leakage - 15.1%
System Capacity - 84.9%



Leakage - 1.5%
System Capacity - 98.5%



This preview of the certificate is not official.

Going Beyond Any Other Energy Reduction Service



Scan for more details.



Aeroseal
aeroseal.com
877-FIX-DUCT
info@aeroseal.com

Duct sealing performed by:
Aeroseal Developer
225 Byers Rd



Language
English (United States)

Certificate Option
Basketball

Basketball

Bar Graph

Line Graph

CHOOSE THE CERTIFICATE REPRESENTATION OF CHOICE AND PRINT AS DESIRED



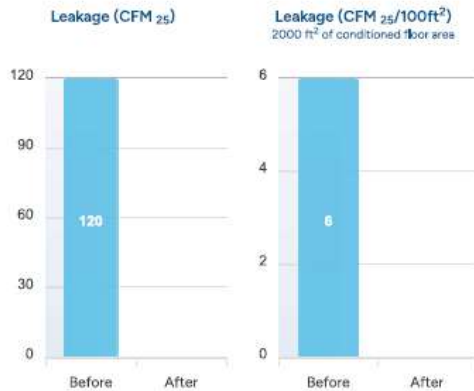
CERTIFIED LEAKAGE REPORT

Duct sealing performed for:

Aeroseal Customer
225 Byers Rd
Miamisburg, OH 45342
Phone: (123) 456 7890

Aeroseal Case ID:9986
System Description:Test Supply System
Seal Description:Test Event 1
Hardware:Homeseal Connect

Technician Name:9986
Date:1/19/2024



Duct leakage results are calculated in Cubic Feet per Minute (CFM) calculated at a STANDARD OPERATING PRESSURE of 25 Pa.

Initial leakage equivalent to
22.6 sq. in. hole

Final leakage equivalent to
1.1 sq. in. hole

Final leakage @ 25Pa
.3 CFM/100 sq ft.

Leakage as % of system capacity

15.0% **.7%**

Before After



Going Beyond Any Other Energy Reduction Service



Scan for more details.

Aeroseal
aeroseal.com
877-FIX-DUCT
info@aeroseal.com



Duct sealing performed by:

Aeroseal Developer
225 Byers Rd
Miamisburg, OH 45342
Phone: (123) 457 8900

Dealer Logo here



Aeroseal process uses DuctSeal sealant that is certified to meet requirements listed in UL 1381 standard - "Outline of investigation for Aeroseal Duct Sealant"



CERTIFIED LEAKAGE REPORT

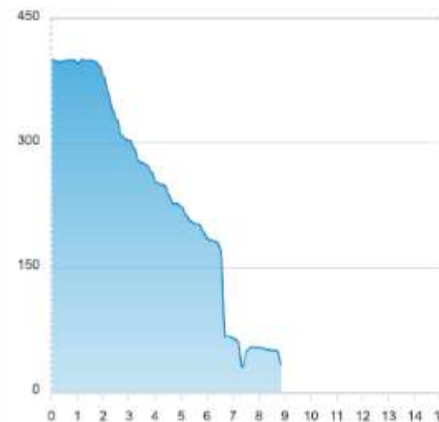
Duct sealing performed for:

Testing HSC Latest
225 Byers rd
Miamisburg, OH 45342
Phone: (111) 111 1111
Square Footage: 1000

Aeroseal Case ID:9890
System Description:Flushing check
Seal Description:5257, 5252
Hardware:Homeseal Connect

Technician Name:9890
Date:8/19/2024

Leakage (CFM₂₅)



Duct leakage results are calculated in Cubic Feet per Minute (CFM) calculated at a STANDARD OPERATING PRESSURE of 25 Pa.

Going Beyond Any Other Energy Reduction Service



This QR code Scan for more details
links to
Aeroseal
website

Aeroseal
aeroseal.com
877-FIX-DUCT
info@aeroseal.com



Duct sealing performed by:

Phone:

Aeroseal process uses DuctSeal sealant that is certified to meet requirements listed in UL 1381 standard - "Outline of investigation for Aeroseal Duct Sealant"

	Initial	Final
CFM ₂₅	399	8
CFM ₂₅ /100 ft ²	39.9	.8
Equivalent Hole Size	75.4 in ²	1.6 in ²
% System Capacity	49.9%	1.1%



What's New in Software Update 1.9.2.0

The new "Mark Project Complete" button on the View Summary/Certificate page locks the project. Once marked as complete, no further sealing events or systems can be added, ensuring the record remains accurate and finalized.





Equivalent to
planting 50 trees



50 tree stat:

The stat is based on conservative estimates. The math actually comes out to 54 trees but we rounded to 50.

1 tree is equal to about 40 pounds of carbon
if we assume that the average house uses 10,000 - 12,000 kWh annually
and if we assume that duct sealing will create an average of 18% savings
the associated savings should be between 1,800 kWh - 2,160 kWh
the conversion from kWh to Carbon LBS is 1.2
so, on the low side, 1,800 kWh savings X 1.2 = 2,160 LBS of Carbon
 $2,160 / 40 \text{ LBS} = 54 \text{ trees}$