



Automotive & Powersports THE FACTS ABOUT YOUR INTAKE & AIR

ISO 5011 Tested to Make Sure You Maximize Airflow While Still Protecting Your Engine.

Part Number: 75-5074, 75-5074D
Description: Performance Intake Kit & Filter
Vehicle Applications: 2014 – 2017 Dodge Ram 1500 3.0L EcoDiesel

Test Date: 11/09/16
Test Report #: 10, 12, 13, 14, 15

TECHNICAL BULLETIN

There is a lot of misinformation in the marketplace. S&B publishes specific test results for each of our intakes & filters as shown below, so you can make an informed decision. Remember, improving your airflow is only good if your engine is still protected. That's the S&B difference!

FACT: S&B Flows 22.00% Better than Stock

In tests performed in our climate controlled laboratory according to the ISO5011 Test Standard, S&B's intake kit (and filter) had significantly lower restriction (better airflow) than the stock intake system. See the graph on the next page.

WATCH OUT: Some competitors over state airflow.

If they state that their filter will flow, lets say 1000 cfm, without stating at what restriction level, they are trying to mislead you.

| Description | % S&B Flowed Better than Stock (tested @ 334 cfm) |
|--|--|
| S&B Intake w/ Cleanable Filter (Secondary Inlet - Open) | 22.00% |
| S&B Intake w/ Cleanable Filter (Secondary Inlet - Closed) | 19.38% |
| S&B Intake w/ Dry Filter (Secondary Inlet - Open) | 21.85% |
| S&B Intake w/ Dry Filter (Secondary Inlet - Closed) | 18.23% |

TEST CONDITIONS

| | |
|----------------------------------|------------|
| Barometric Pressure | 28.98 |
| Airflow Setpoint | 334 cfm |
| Relative Humidity | 50 |
| Temperature | 70.2F |
| Type of Dust | ISO Coarse |
| Batch # | 13099C |
| Dust Feed Rate (grams/minute) | 9.46 |

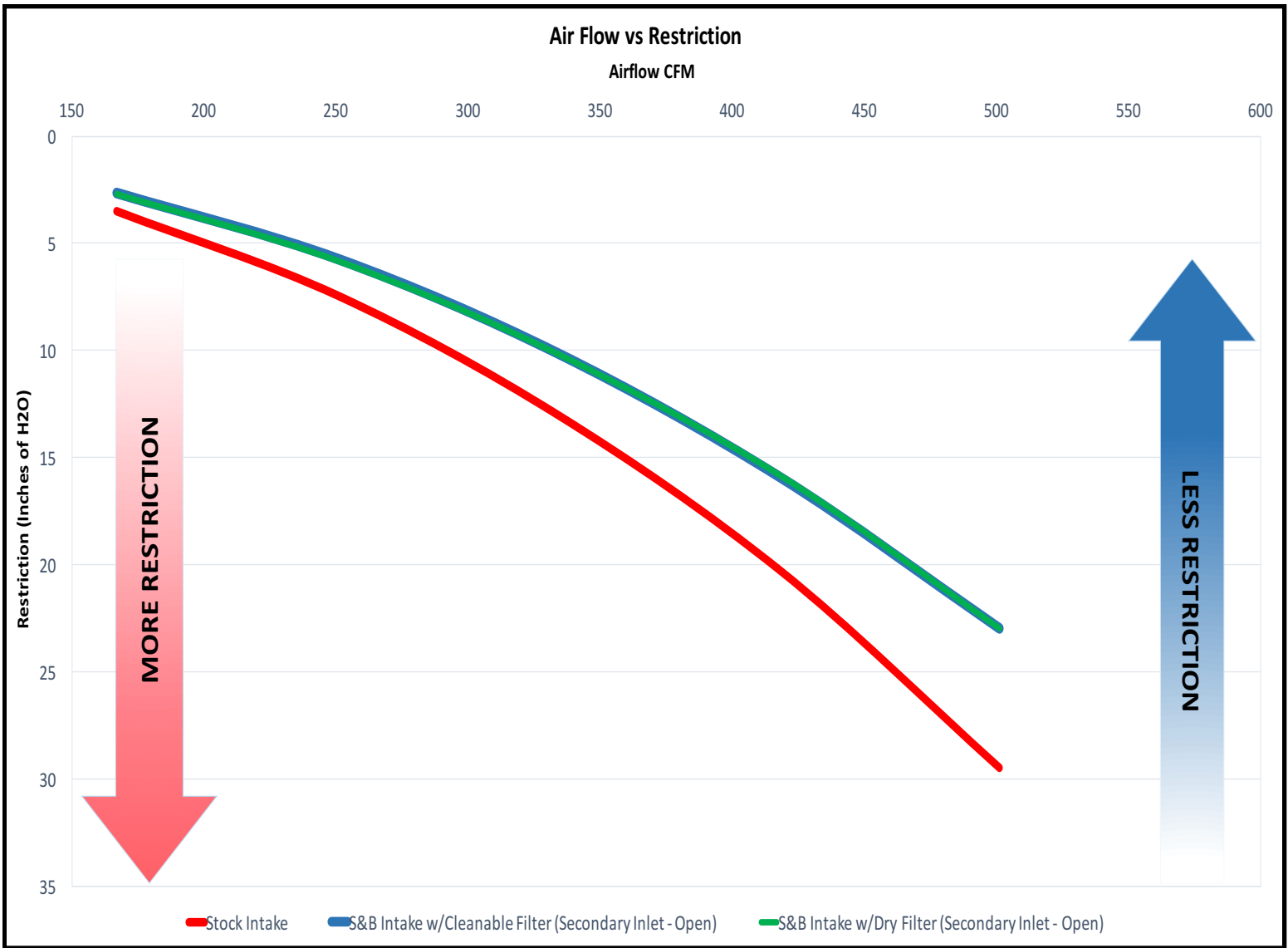
FACT: S&B Protects Your Engine

S&B tests at the highest rated CFM for your vehicle when determining the efficiency rate (amount of dust the filter stops), so that we can be sure that your engine will be protected.

| Description | Efficiency Rate (tested @ 334 cfm) |
|-----------------------------------|---------------------------------------|
| Stock | 99.80% |
| S&B Intake w/ Cleanable Filter | 99.51% |
| S&B Intake w/ Dry Filter | 99.57% |

WATCH OUT: Some Competitors Use the Same Efficiency Rates for Multiple Part Numbers.

Many send one filter off to a lab to be tested at a low cfm and then publish this efficiency rate for all of their part numbers.



Air Filter Restriction Test Report

Test #: 407
Sample #: 10
Filter #: 68190705AA-001
Housing #:
Date Code:

Operator: SD
Report Date: 11/18/2016
Filter Mfg.:
Housing Mfg.:



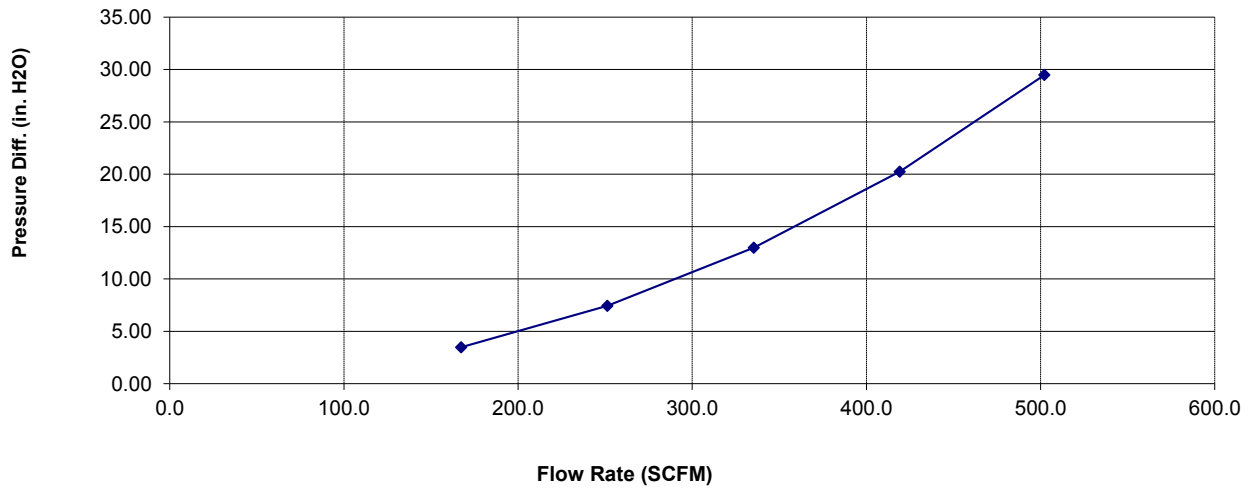
Test Description: STOCK INTAKE KIT & FILTER, NO SENSORS, NO CCV, FILTER# 68190705AA-001

Test Conditions

Barometric Pressure: 28.76533 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 50 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

| <u>Flow Rate</u> | <u>Differential Pressure</u> |
|------------------|------------------------------|
| 167 | 3.48 |
| 251 | 7.44 |
| 335 | 13.00 |
| 419 | 20.26 |
| 502 | 29.48 |

Air Filter Restriction Test Report

Test #: 407
Sample #: 12
Filter #: KF-1061
Housing #: 75-5074
Date Code:

Operator: SD
Report Date: 11/18/2016
Filter Mfg.:
Housing Mfg.:



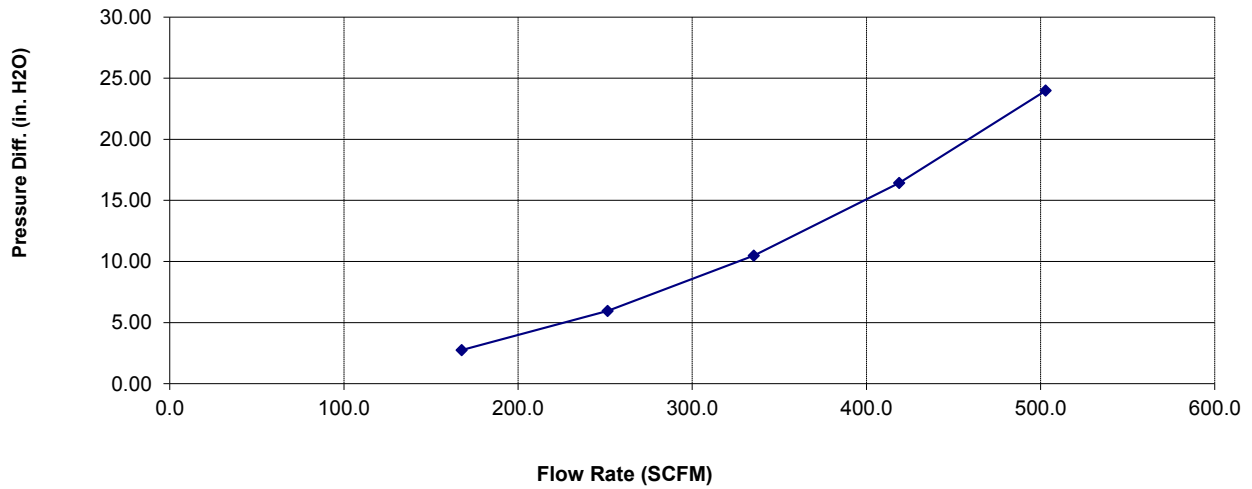
Test Description: 75-5074 PRODUCTION KIT, SENSOR INSTALLED, NO CCV, PLUG INSTALLED, STOCK ADAPTER, KF-1061

Test Conditions

Barometric Pressure: 28.69968 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 49 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

| <u>Flow Rate</u> | <u>Differential Pressure</u> |
|------------------|------------------------------|
| 168 | 2.75 |
| 251 | 5.96 |
| 335 | 10.48 |
| 419 | 16.44 |
| 503 | 23.99 |

Air Filter Restriction Test Report

Test #: 407
Sample #: 13
Filter #: KF-1061
Housing #: 75-5074
Date Code:

Operator: SD
Report Date: 11/18/2016
Filter Mfg.:
Housing Mfg.:



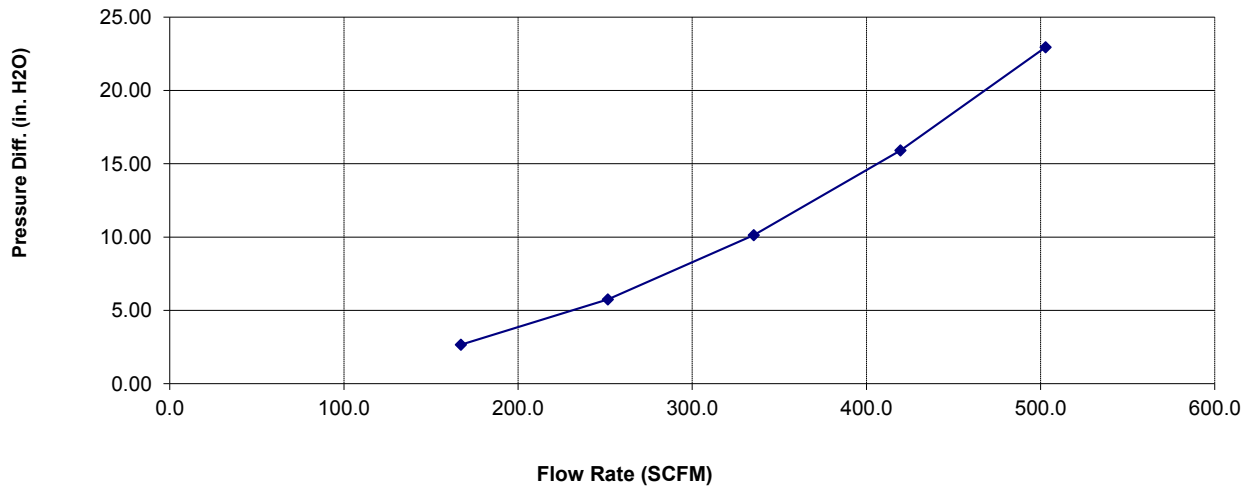
Test Description: 75-5074 PRODUCTION KIT, SENSOR INSTALLED, NO CCV, PLUG REMOVED, STOCK ADAPTER, KF-1061

Test Conditions

Barometric Pressure: 28.69303 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 50 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

| <u>Flow Rate</u> | <u>Differential Pressure</u> |
|------------------|------------------------------|
| 167 | 2.66 |
| 252 | 5.75 |
| 335 | 10.14 |
| 420 | 15.91 |
| 503 | 22.96 |

Air Filter Restriction Test Report

Test #: 407
Sample #: 14
Filter #: KF-1061D
Housing #: 75-5074
Date Code:

Operator: SD
Report Date: 11/18/2016
Filter Mfg.:
Housing Mfg.:



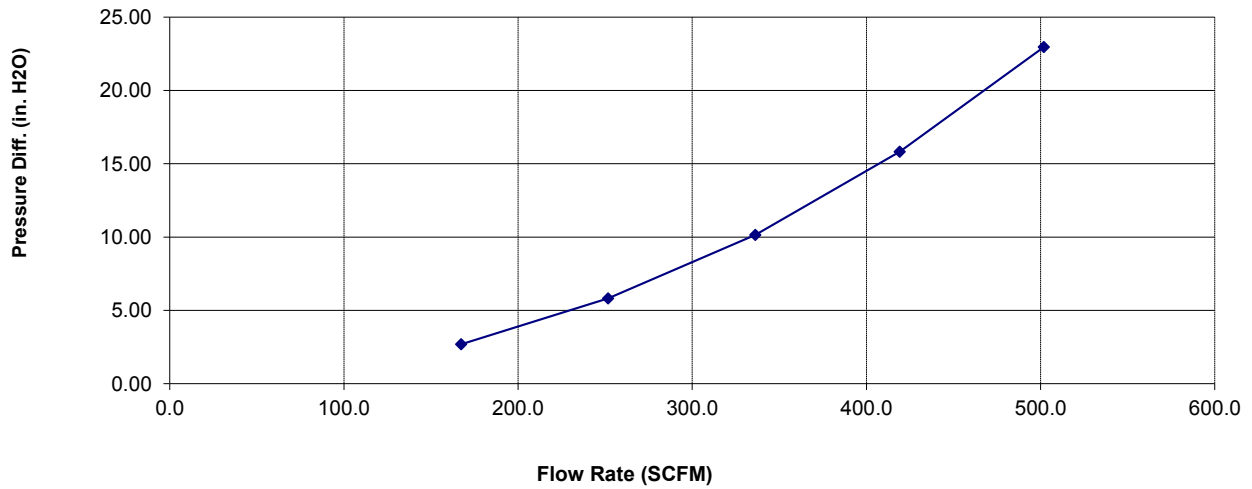
Test Description: 75-5074 PRODUCTION KIT, SENSOR INSTALLED, NO CCV, PLUG REMOVED, STOCK ADAPTER, KF-1061D

Test Conditions

Barometric Pressure: 28.68897 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 50 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

| <u>Flow Rate</u> | <u>Differential Pressure</u> |
|------------------|------------------------------|
| 167 | 2.69 |
| 252 | 5.82 |
| 336 | 10.16 |
| 419 | 15.83 |
| 502 | 22.97 |

Air Filter Restriction Test Report

Test #: 407
Sample #: 15
Filter #: KF-1061D
Housing #: 75-5074
Date Code:

Operator: SD
Report Date: 11/18/2016
Filter Mfg.:
Housing Mfg.:



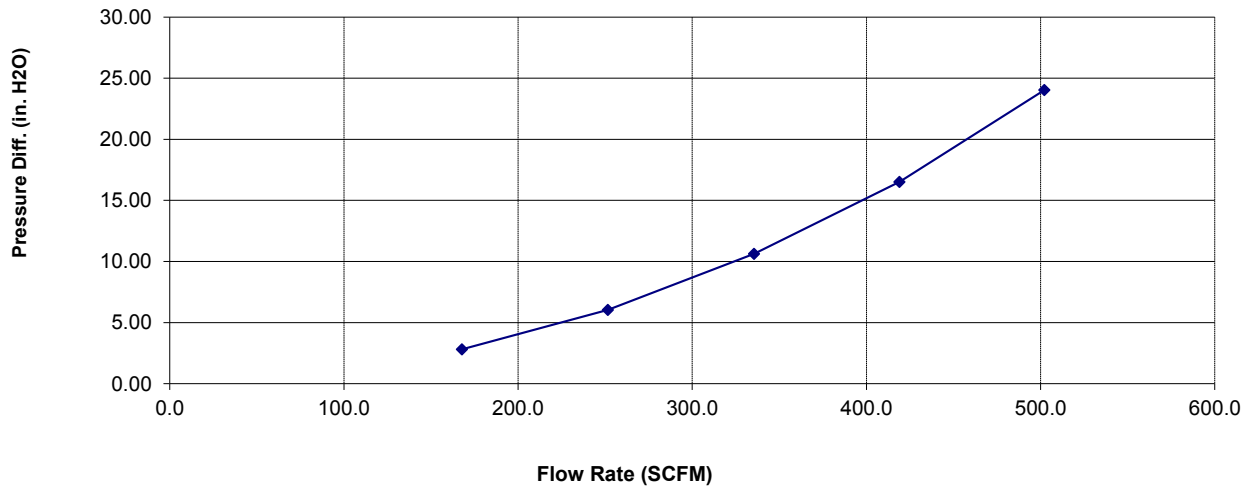
Test Description: 75-5074 PRODUCTION KIT, SENSOR INSTALLED, NO CCV, PLUG INSTALLED, STOCK ADAPTER, KF-1061D

Test Conditions

Barometric Pressure: 28.67579 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 50 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

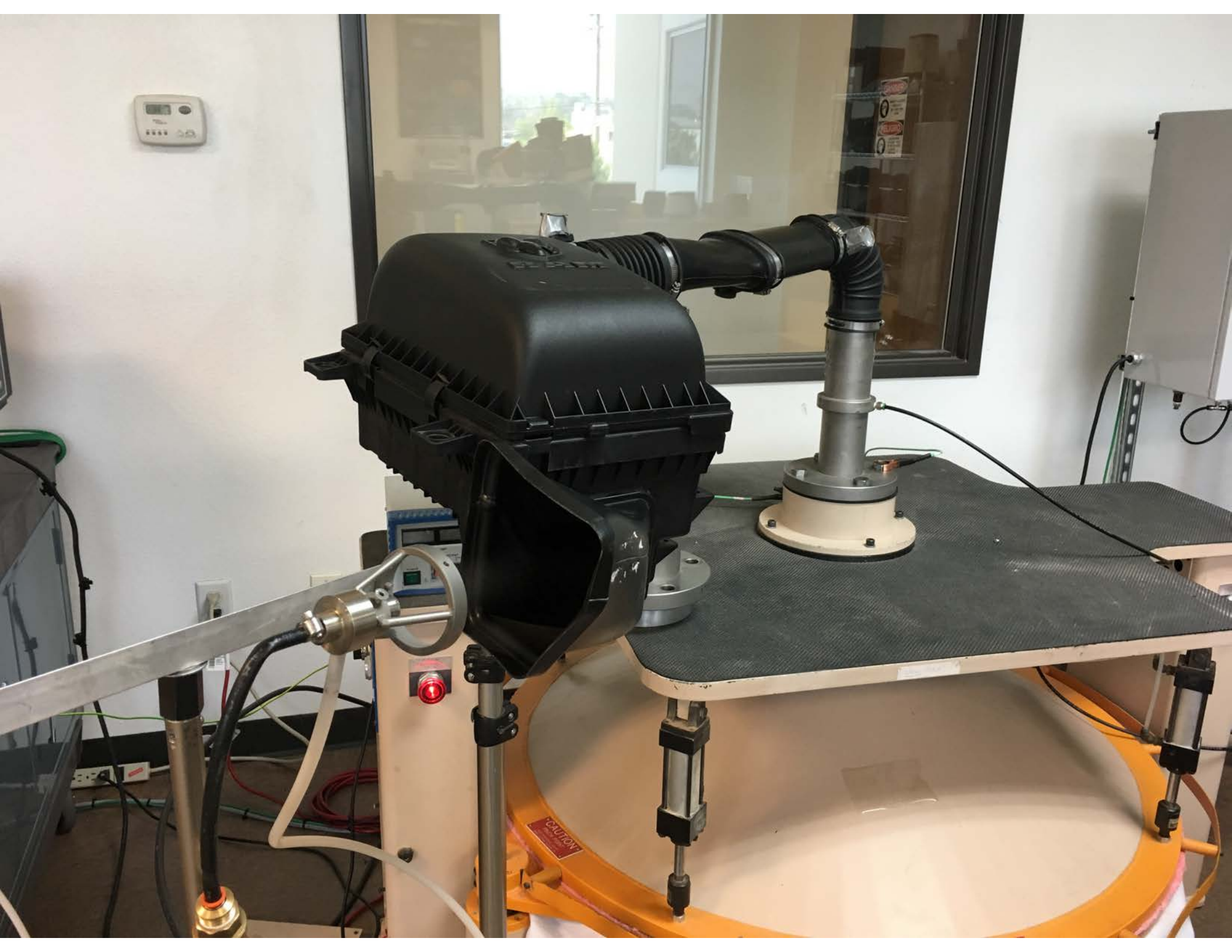
| <u>Flow Rate</u> | <u>Differential Pressure</u> |
|------------------|------------------------------|
| 168 | 2.81 |
| 252 | 6.03 |
| 335 | 10.63 |
| 419 | 16.51 |
| 502 | 24.03 |







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AIR FLOW

CAUTION