



Automotive & Powersports THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75-5102, 75-5102D
Description: Performance Intake Kit & Filter
Vehicle Applications: 2004-2005 Chevy / GMC Duramax LLY 6.6L

Test Date: 02/08/17
Test Report #: 1, 4, 5, 6, 7, 8, 9, 10

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 43.69% 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 @ 612 cfm)
S&B Intake w/ Cleanable Filter (Secondary Inlet - Open)	43.69%
S&B Intake w/ Cleanable Filter (Secondary Inlet - Closed)	40.74%
S&B Intake w/ Dry Filter (Secondary Inlet - Open)	41.33%
S&B Intake w/ Dry Filter (Secondary Inlet - Closed)	38.30%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	612 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13099C
Dust Feed Rate (grams/minute)	17.33

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.

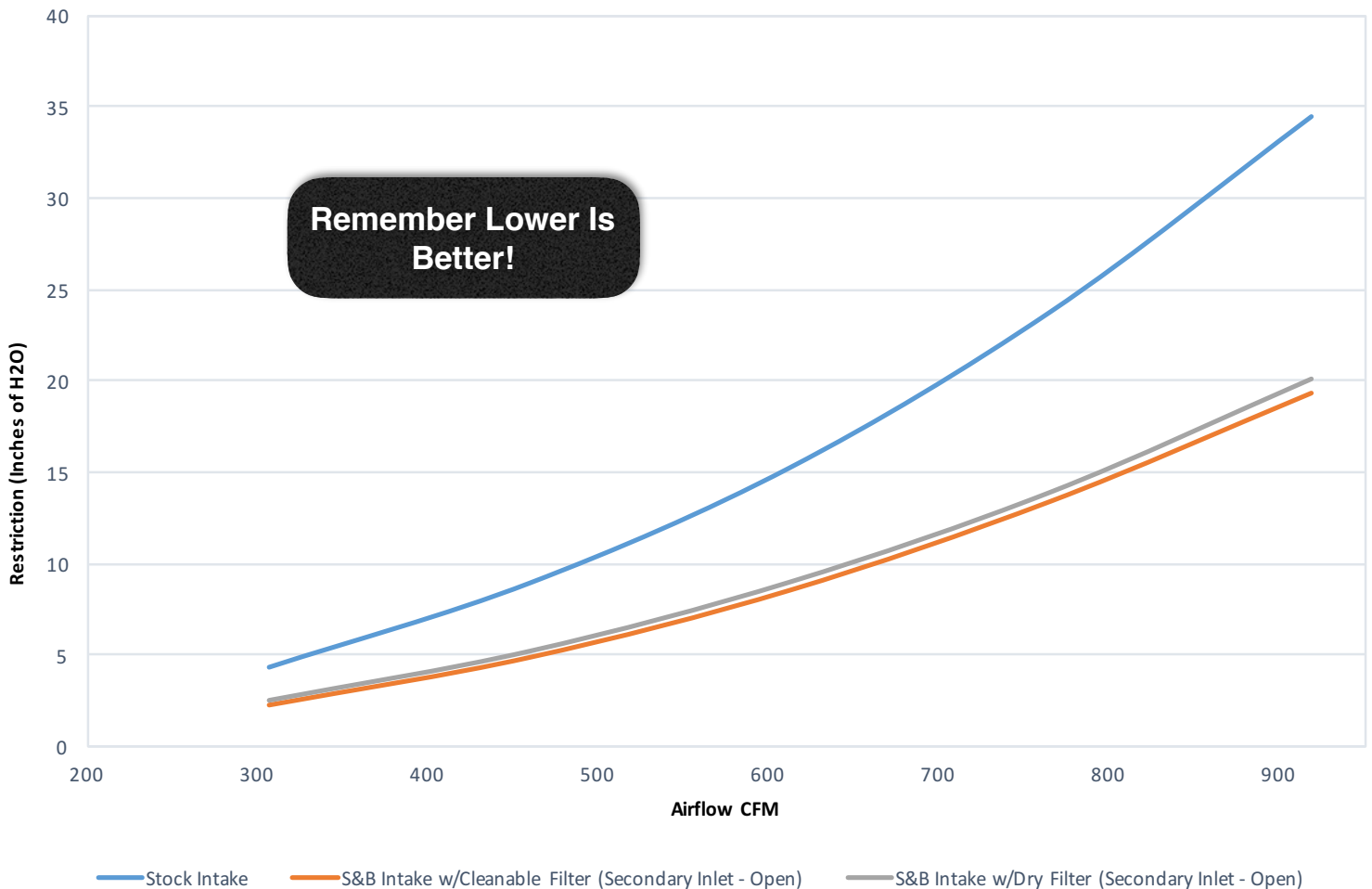
Description	Efficiency Rate (tested @ 612 cfm)
Stock	99.16%
S&B Intake w/ Cleanable Filter	99.52%
S&B Intake w/ Dry Filter	99.78%

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 Flow vs Restriction
(lower restriction = better airflow)**



Air Filter Restriction Test Report

Test #: 436
Sample #: 1
Filter #: A1618C
Housing #:
Date Code:

Operator: SD
Report Date: 2/8/2017
Filter Mfg.:
Housing Mfg.:



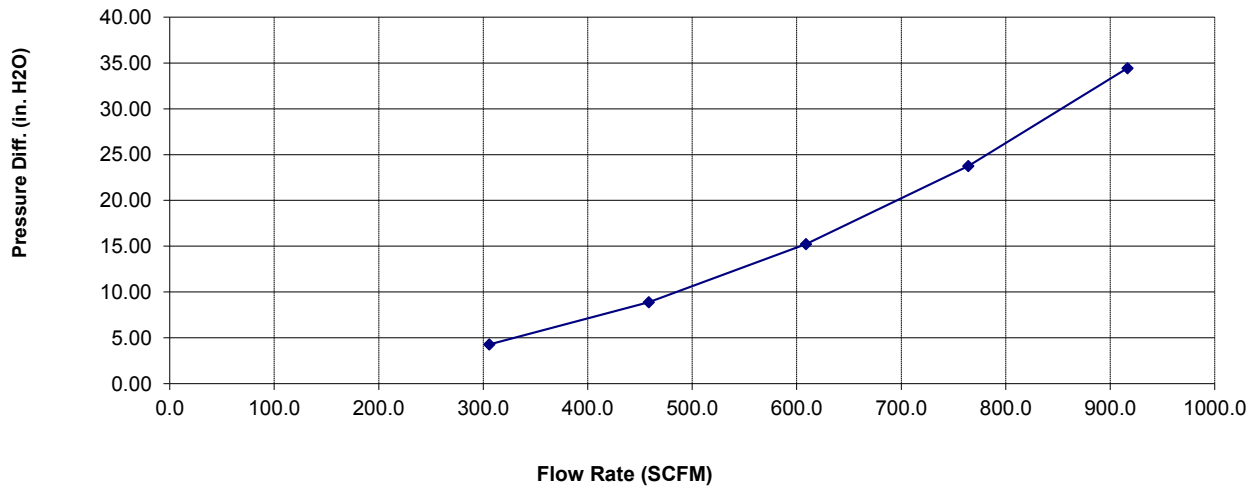
Test Description: STOCK INTAKE AND FILTER, NO SENSORS, NO FILTER MINDER, ACDELCO A1618C

Test Conditions

Barometric Pressure: 28.99944 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 46 %
Temperature: 70 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
306	4.28
459	8.89
609	15.22
764	23.76
917	34.44

Air Filter Restriction Test Report

Test #: 436
Sample #: 5
Filter #: KF-1035
Housing #: 75-5102
Date Code:

Operator: SD
Report Date: 2/8/2017
Filter Mfg.:
Housing Mfg.:



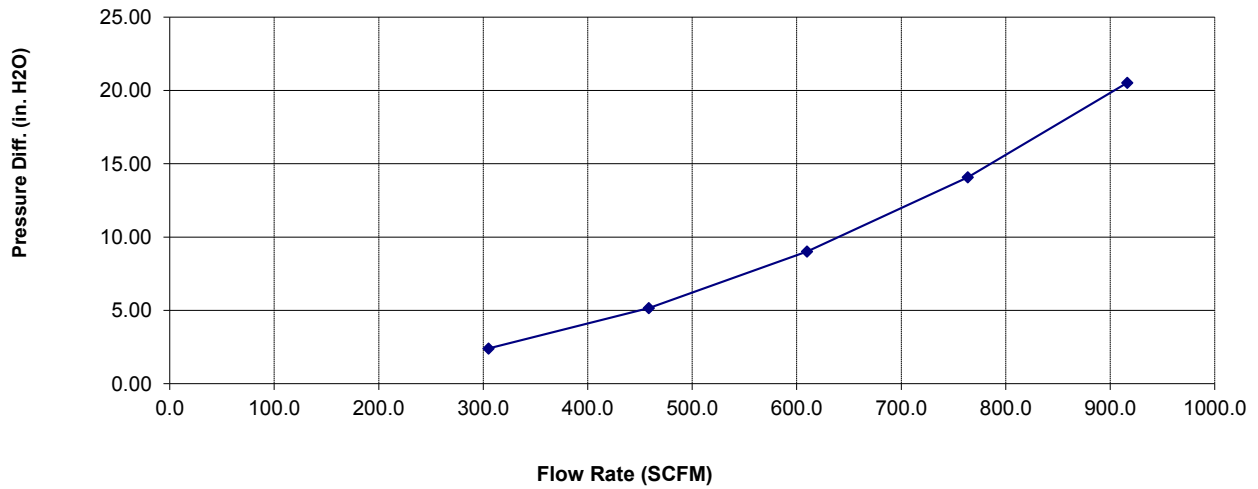
Test Description: 75-5102 PRODUCTION KIT, NO SENSORS, NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED
PLUG INSTALLED, KF-1035

Test Conditions

Barometric Pressure: 28.97288 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>
305	2.40
459	5.16
610	9.02
764	14.08
916	20.53

Air Filter Restriction Test Report

Test #: 436
Sample #: 6
Filter #: KF-1035
Housing #: 75-5101
Date Code:

Operator: SD
Report Date: 2/8/2017
Filter Mfg.:
Housing Mfg.:



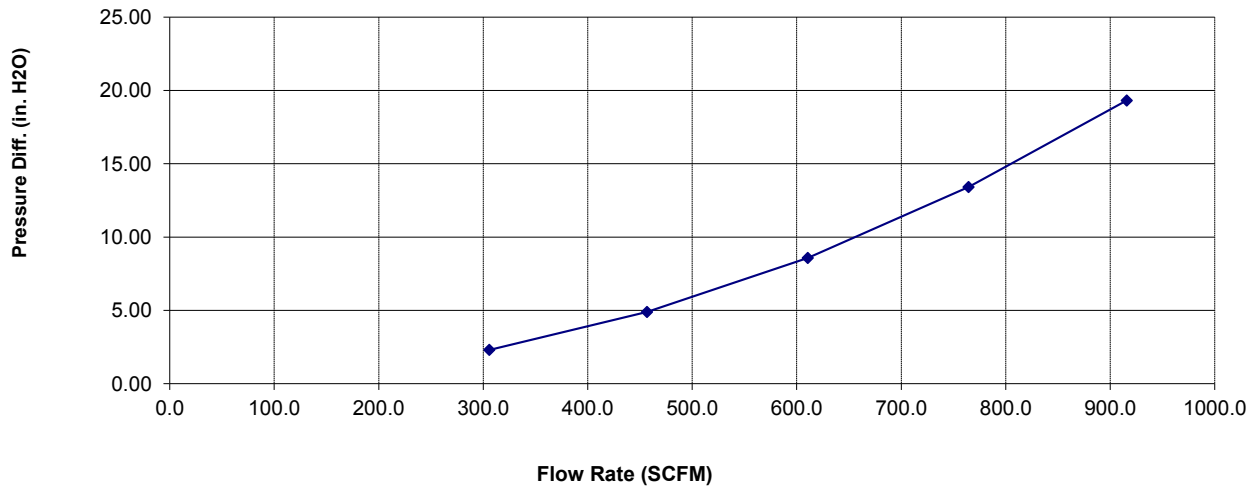
Test Description: 75-5102 PRODUCTION KIT, NO SENSORS, NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED
PLUG REMOVED, KF-1035

Test Conditions

Barometric Pressure: 28.96473 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>
306	2.30
457	4.90
611	8.57
764	13.42
916	19.32

Air Filter Restriction Test Report

Test #: 436
Sample #: 7
Filter #: KF-1035D
Housing #: 75-5102
Date Code:

Operator: SD
Report Date: 2/8/2017
Filter Mfg.:
Housing Mfg.:



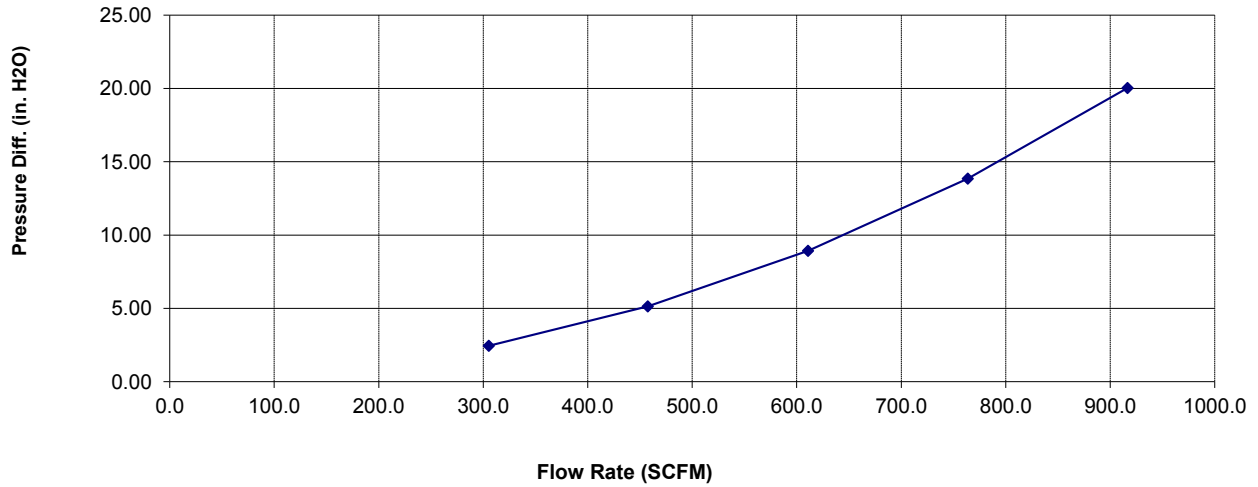
Test Description: 75-5102 PRODUCTION KIT, NO SENSORS, NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED
PLUG REMOVED, KF-1035D

Test Conditions

Barometric Pressure: 28.97173 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>
305	2.45
458	5.14
611	8.93
764	13.85
917	20.04

Air Filter Restriction Test Report

Test #: 436
Sample #: 8
Filter #: KF-1035D
Housing #: 75-5102
Date Code:

Operator: SD
Report Date: 2/8/2017
Filter Mfg.:
Housing Mfg.:



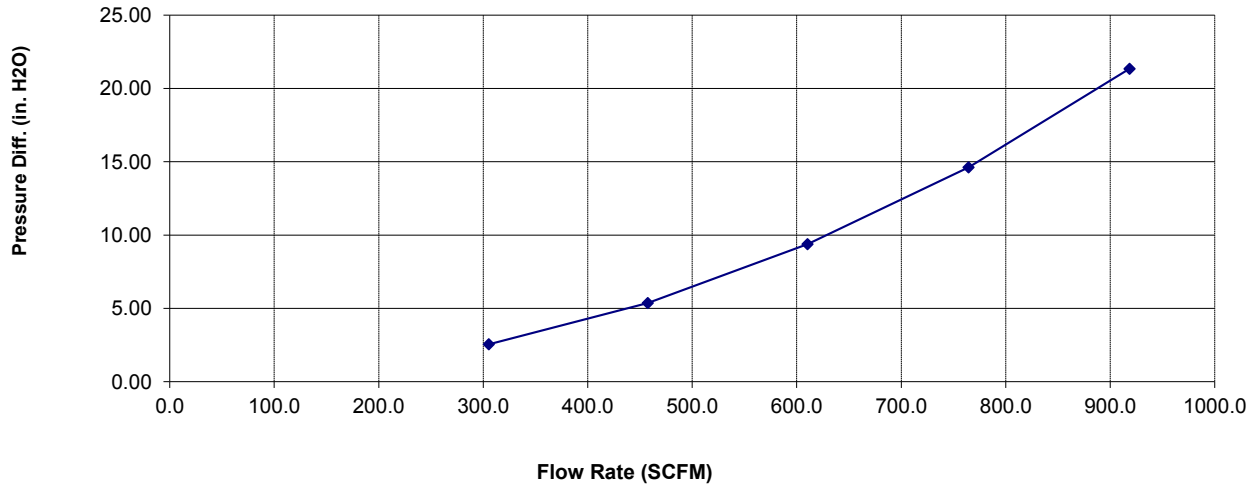
Test Description: 75-5102 PRODUCTION KIT, NO SENSOR, NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED
PLUG INSTALLED, KF-1035D

Test Conditions

Barometric Pressure: 28.96577 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

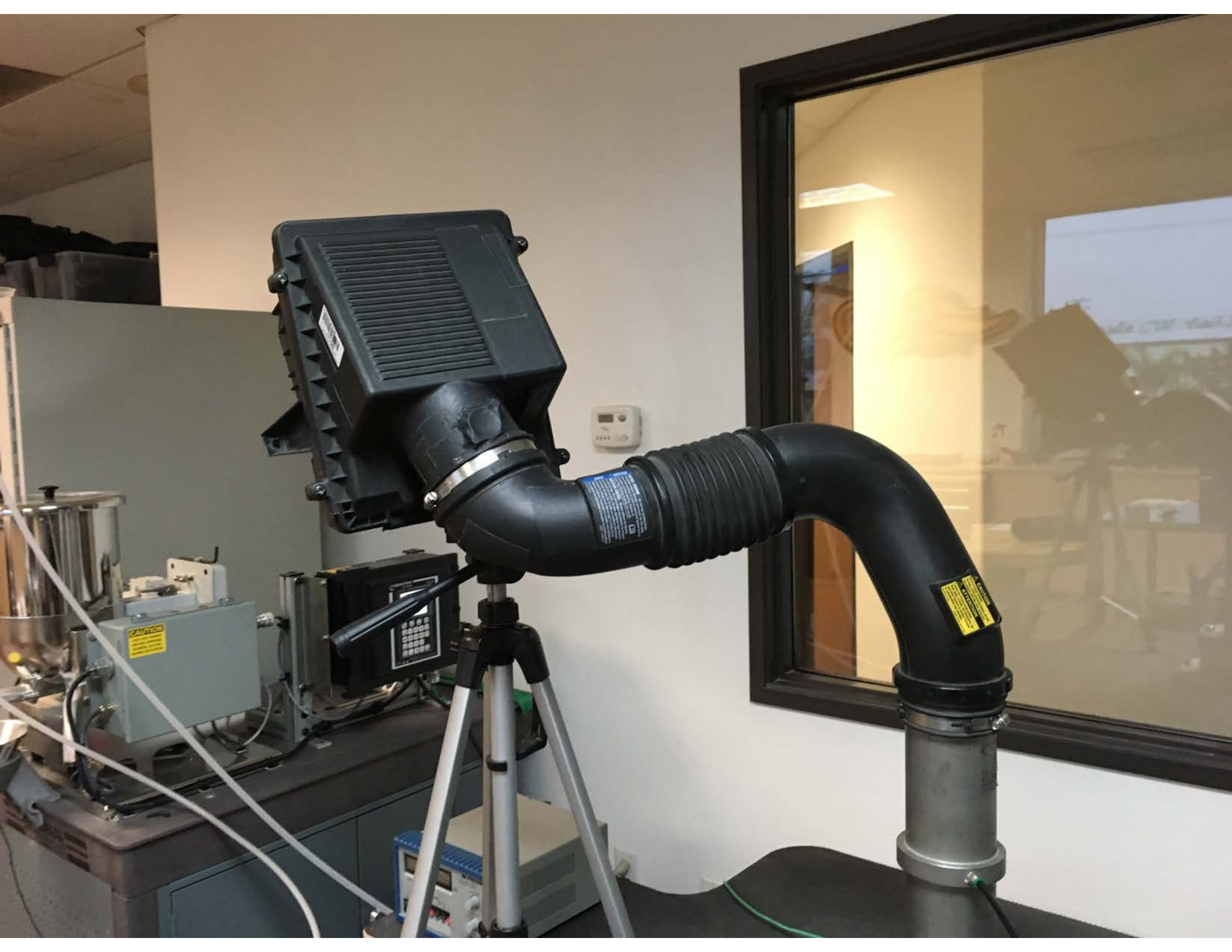
Relative Humidity: 49 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
305	2.55
457	5.37
610	9.39
764	14.61
919	21.35





CAUTION
Do not touch the
rotating parts
of the machine
while it is running.

CAUTION
ATTENTION

6.6L DSL

