



Automotive & Powersports THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75-5093, 75-5093D
Description: Performance Intake Kit & Filter
Vehicle Applications: 2007-2010 Dodge Ram Cab & Chassis
 Cummins 6.7L

Test Date: 02/08/17
Test Report #: 1, 3, 4, 5, 6

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 37.06% 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 @ 624 cfm)
S&B Intake w/ Cleanable Filter (Secondary Inlet - Open)	37.06%
S&B Intake w/ Cleanable Filter (Secondary Inlet - Closed)	30.36%
S&B Intake w/ Dry Filter (Secondary Inlet - Open)	33.52%
S&B Intake w/ Dry Filter (Secondary Inlet - Closed)	26.97%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	624 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13099C
Dust Feed Rate (grams/minute)	17.67

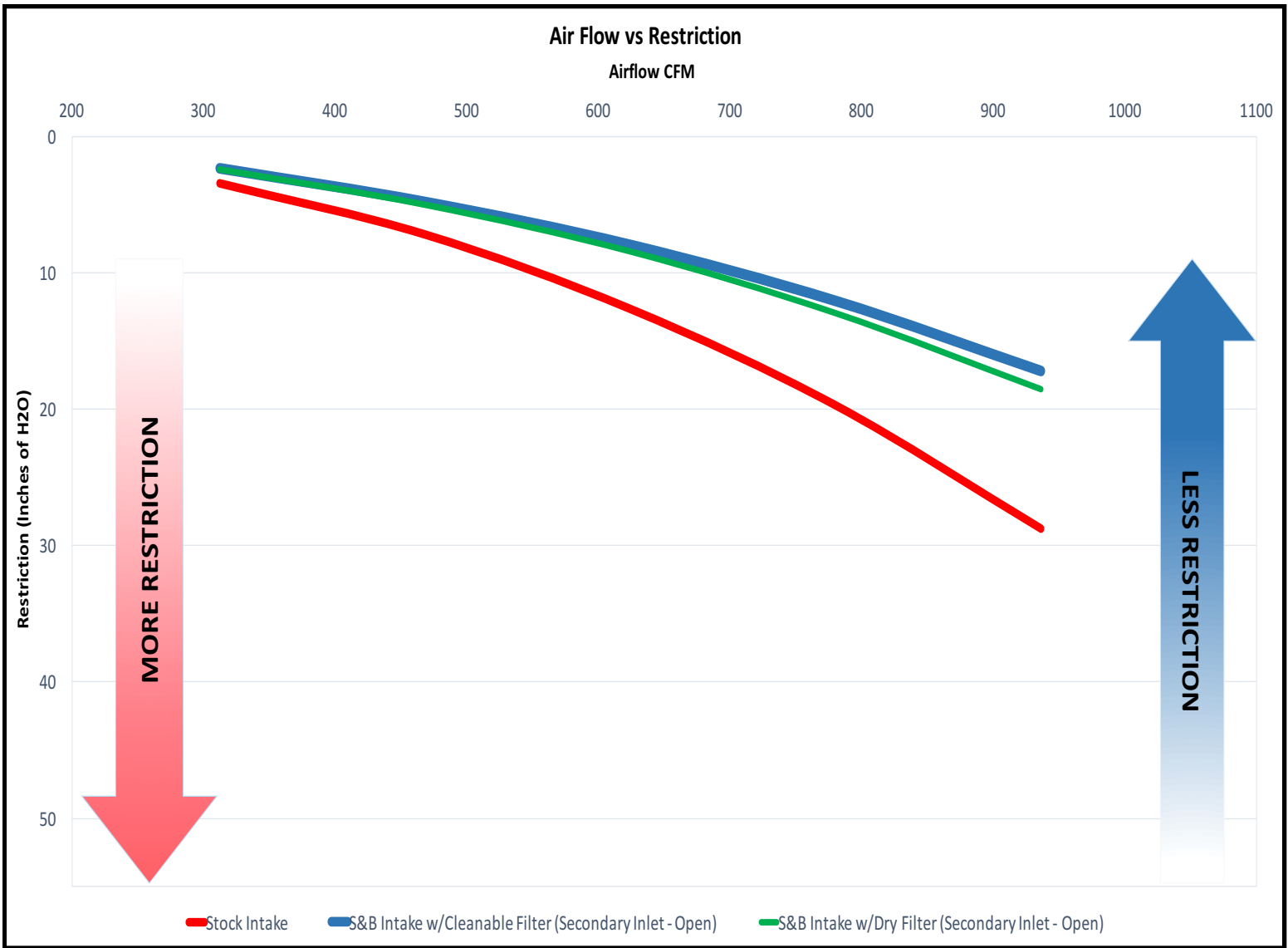
FACT: S&B Protects Your Engine

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 @ 624 cfm)
Stock	99.75%
S&B Intake w/ Cleanable Filter	99.43%
S&B Intake w/ Dry Filter	99.68%

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 #: 433
Sample #: 1
Filter #: 53034051AB
Housing #:
Date Code:

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



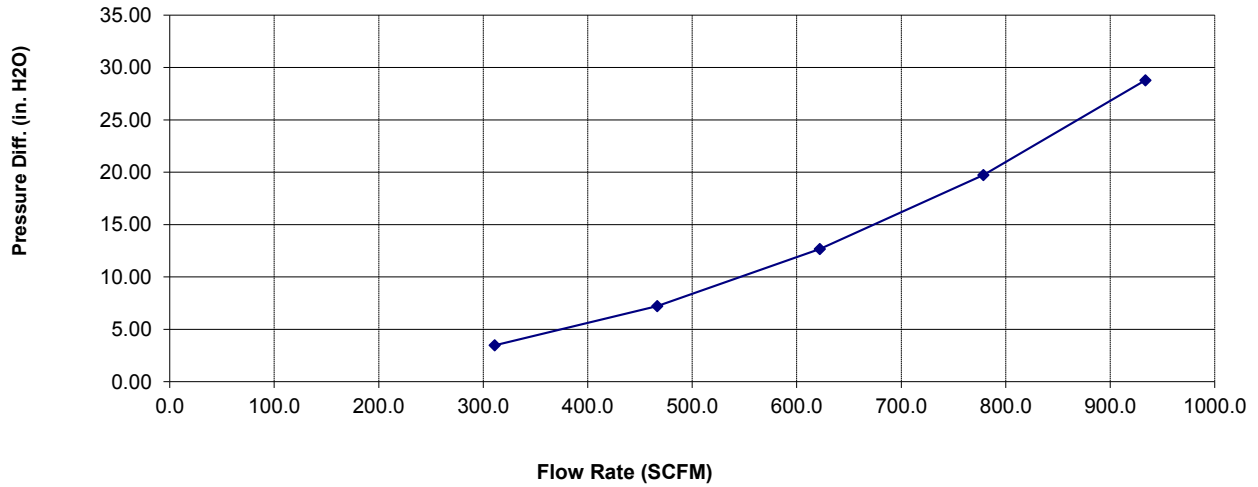
Test Description: STOCK INTAKE AND FILTER, NO SENSORS, NO CCV, NO FILTER MINDER, MOPAR #53034051AB

Test Conditions

Barometric Pressure: 29.02085 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 50 %
Temperature: 69 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
311	3.47
467	7.22
622	12.68
779	19.75
934	28.79

Air Filter Restriction Test Report

Test #: 433
Sample #: 3
Filter #: KF-1035
Housing #: 75-5093
Date Code:

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



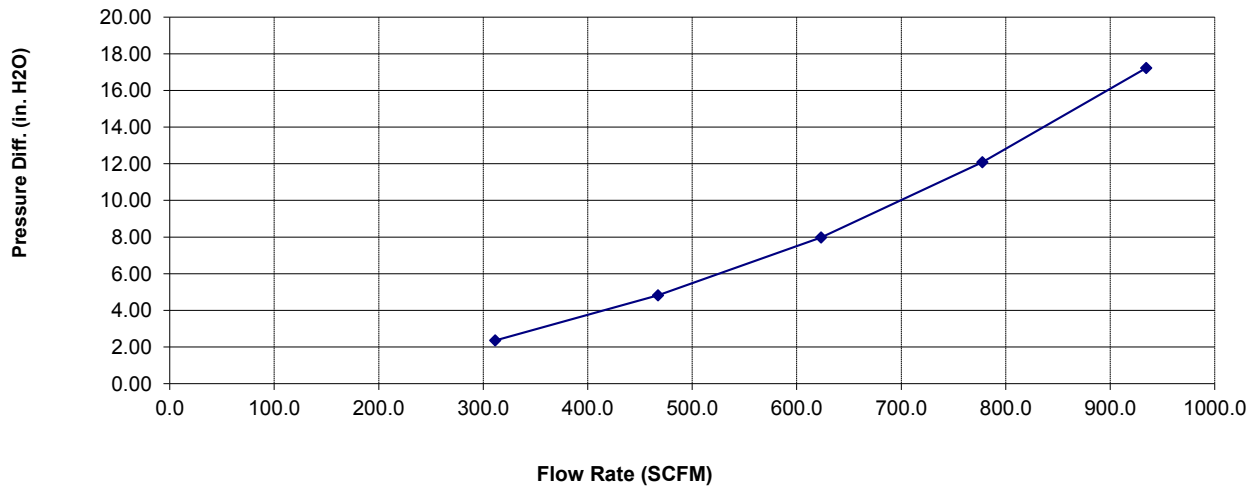
Test Description: 75-5093 PRODUCTION KIT, NO SENSORS, NO CCV, NO FILTER MINDER, PLUG REMOVED, KF-1035 SILICONE

Test Conditions

Barometric Pressure: 28.86819 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>
312	2.36
467	4.83
623	7.98
778	12.09
935	17.23

Air Filter Restriction Test Report

Test #: 433
Sample #: 4
Filter #: KF-1035
Housing #: 75-5093
Date Code:

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



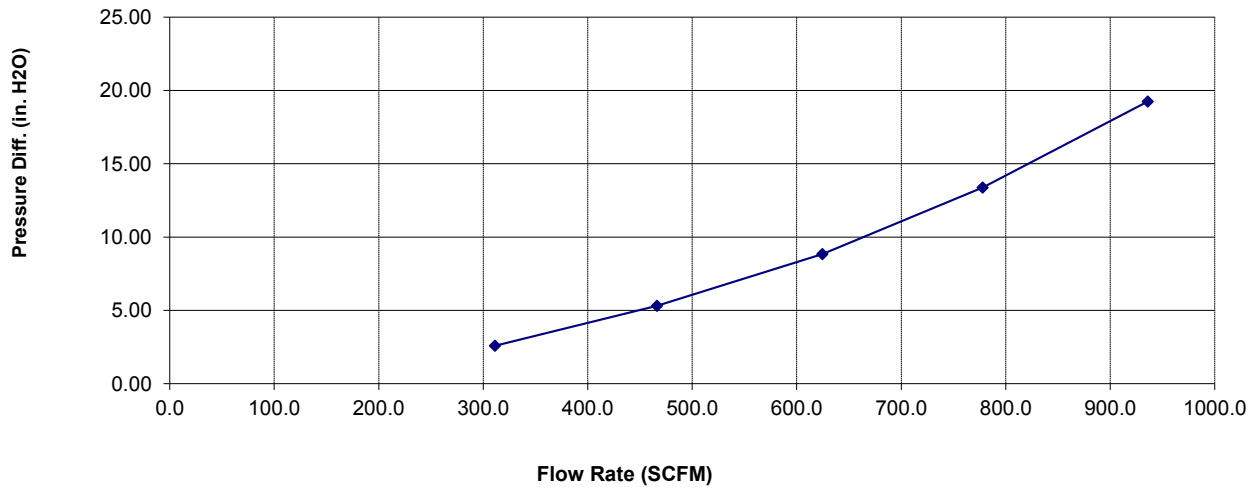
Test Description: 75-5093 PRODUCTION KIT, NO SENSORS, NO CCV, NO FILTER MINDER, PLUG INSTALLED, KF-1035 SILICONE

Test Conditions

Barometric Pressure: 28.87417 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>
311	2.59
466	5.31
625	8.83
778	13.38
936	19.25

Air Filter Restriction Test Report

Test #: 433
Sample #: 5
Filter #: KF-1035D
Housing #: 75-5093
Date Code:

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



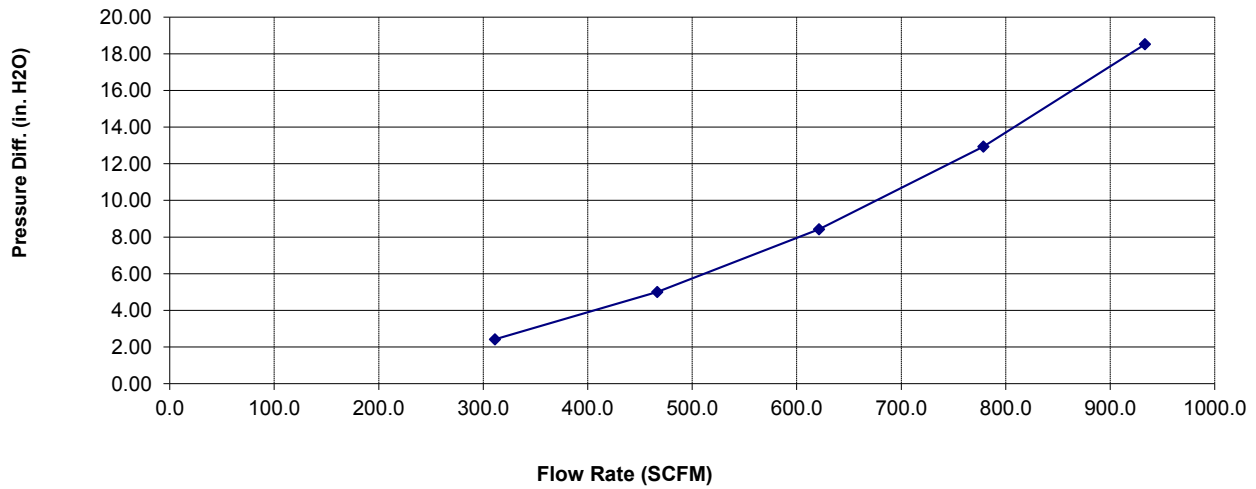
Test Description: 75-5093 PRODUCTION KIT, NO SENSORS, NO CCV, NO FILTER MINDER, PLUG REMOVED, KF-1035D SILICONE

Test Conditions

Barometric Pressure: 28.93919 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 47 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
311	2.42
467	5.01
622	8.43
779	12.95
933	18.52

Air Filter Restriction Test Report

Test #: 433
Sample #: 6
Filter #: KF-1035D
Housing #: 75-5093
Date Code:

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



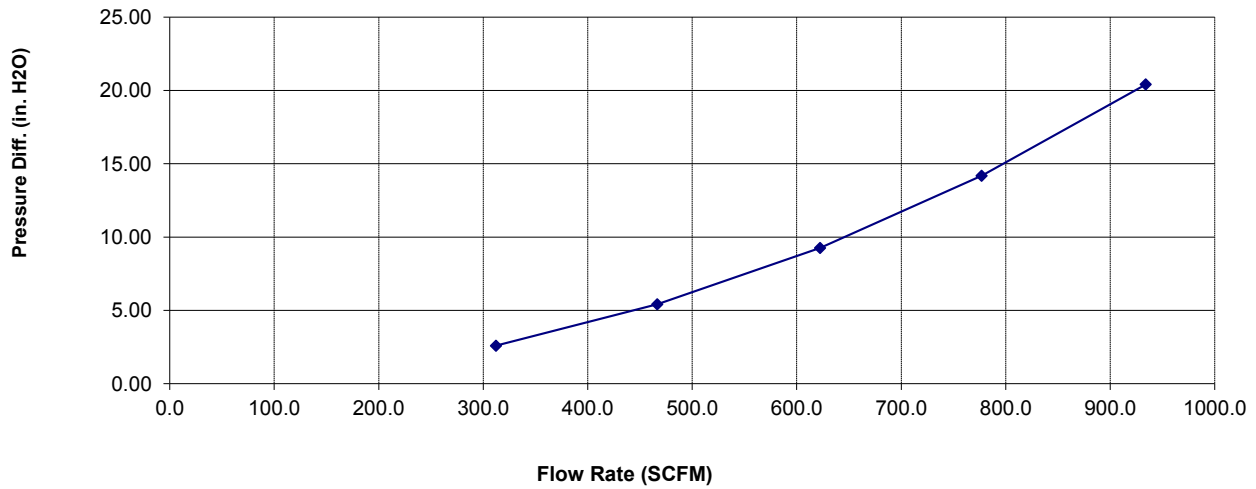
Test Description: 75-5093 PRODUCTION KIT, NO SENSORS, NO CCV, NO FILTER MINDER, PLUG INSTALLED, KF-1035D SILICONE

Test Conditions

Barometric Pressure: 28.94049 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

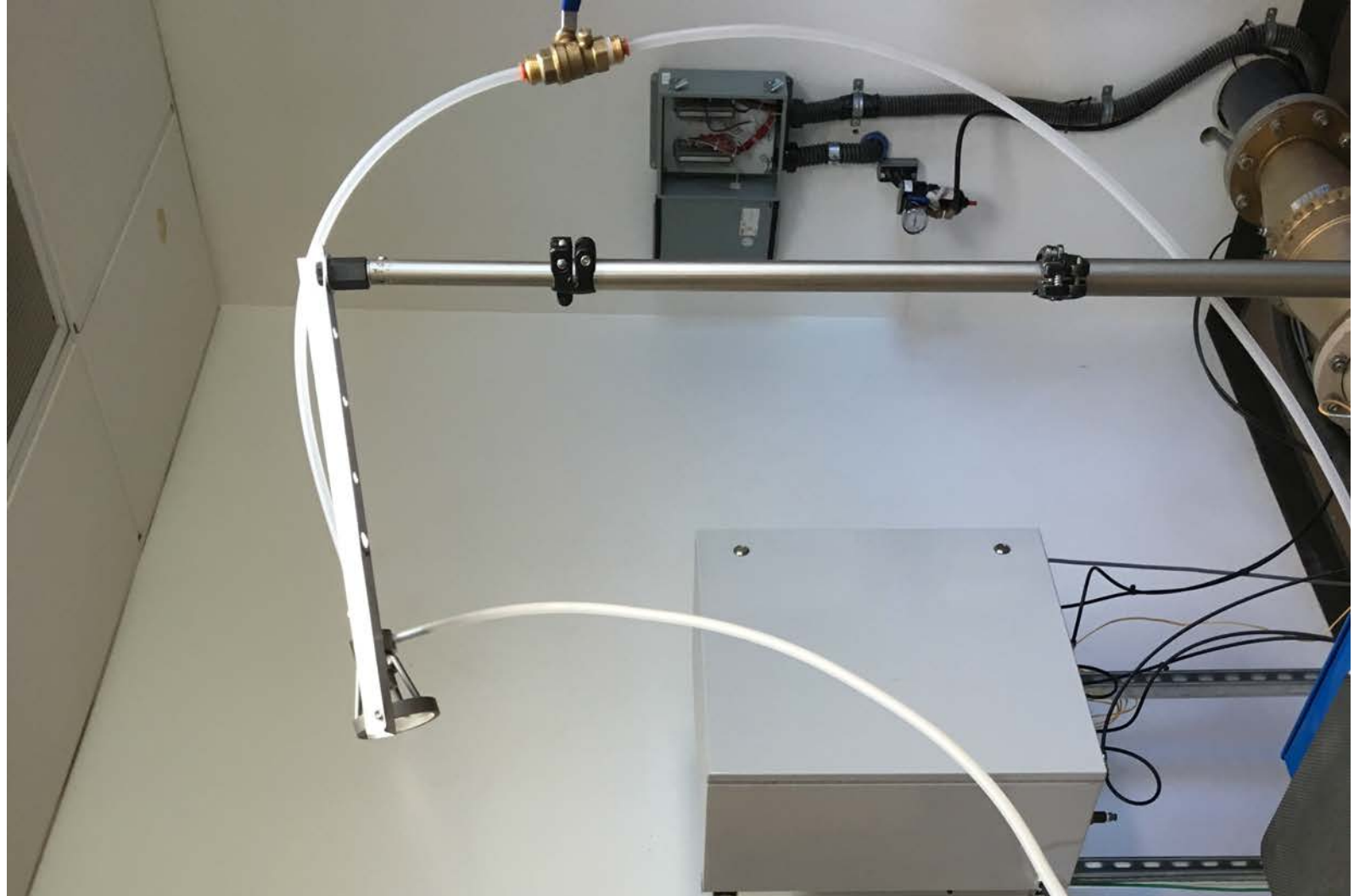
Relative Humidity: 50 %
Temperature: 67 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

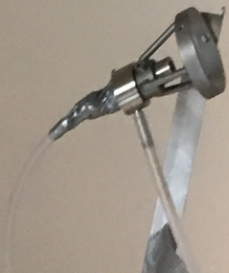
<u>Flow Rate</u>	<u>Differential Pressure</u>
312	2.60
467	5.42
622	9.26
777	14.18
934	20.41













Precision II

