



Automotive & Powersports THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75-5110, 75-5110D
Description: Performance Intake Kit & Filter
Vehicle Applications: 2016-17 GM/Chevrolet 2500 6.0L Gas

Test Date: 03/15/2018
Test Report #: 15, 16, 17, 18, 19, 20, 22, 24

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 46.30% 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 @ 458 cfm)
S&B Intake w/ Cleanable Filter (Secondary Inlet - Open)	46.30%
S&B Intake w/ Cleanable Filter (Secondary Inlet - Closed)	42.22%
S&B Intake w/ Dry Filter (Secondary Inlet - Open)	45.66%
S&B Intake w/ Dry Filter (Secondary Inlet - Closed)	41.20%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	458 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13241C
Dust Feed Rate (grams/minute)	12.97

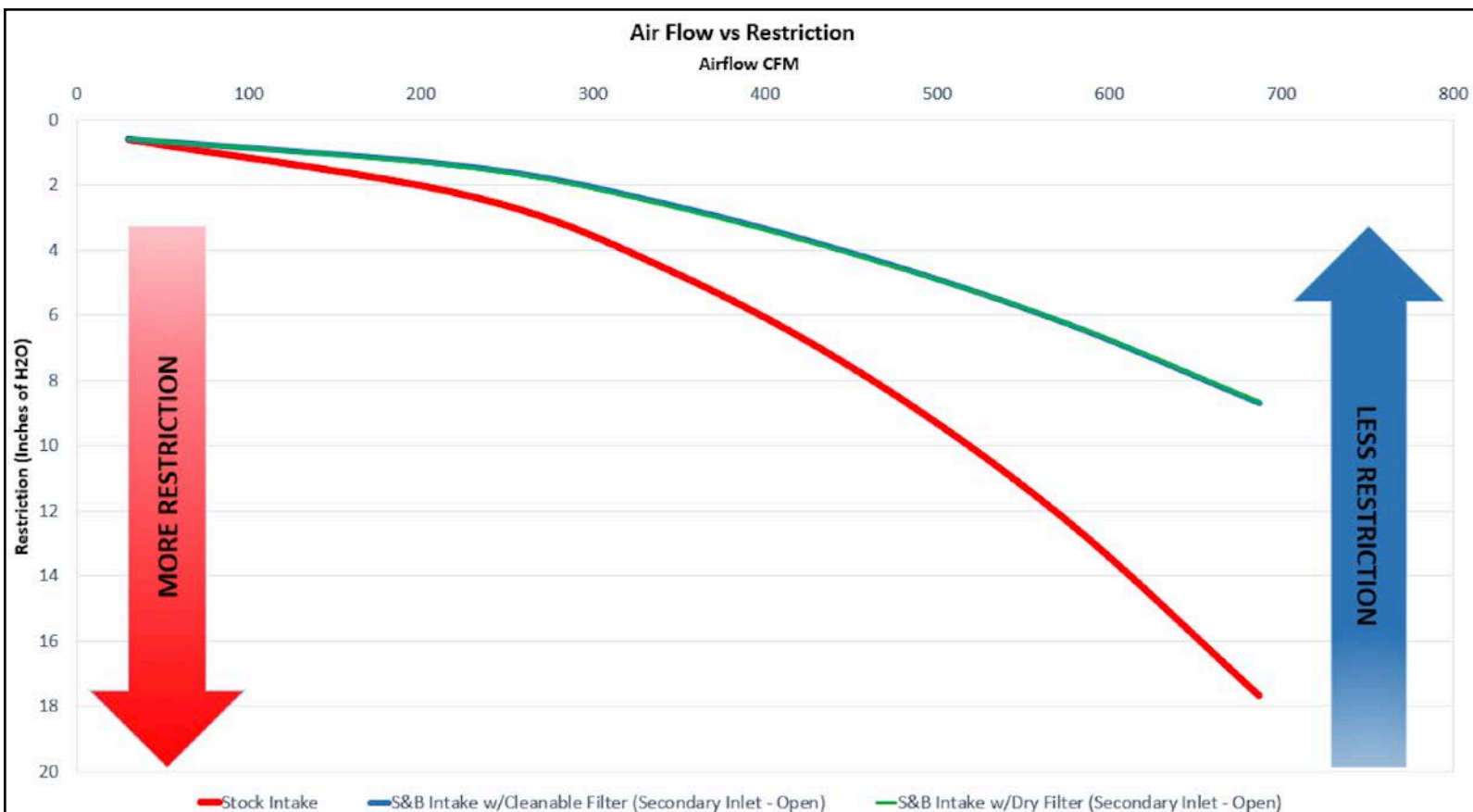
FACT: S&B Protects Your Engine

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 @ 458 cfm)
Stock	99.66%
S&B Intake w/ Cleanable Filter	99.20%
S&B Intake w/ Dry Filter	99.50%

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 #: 474
Sample #: 15
Filter #: 22845992
Housing #:
Date Code:

Operator: KM
Report Date: 3/15/2018
Filter Mfg.:
Housing Mfg.:



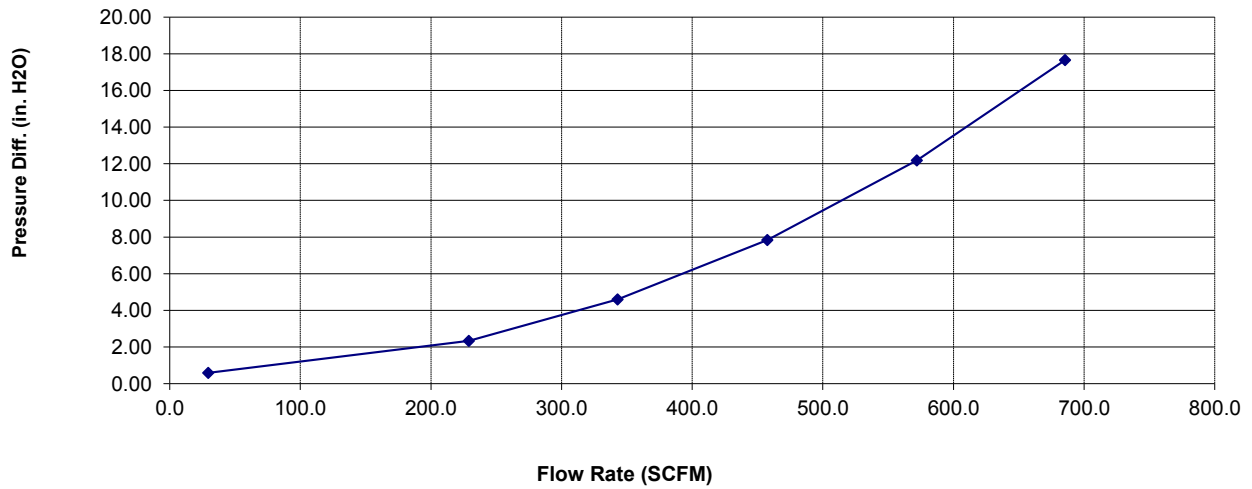
Test Description: Stock Intake, Stock Filter, No CCV, No Sensor

Test Conditions

Barometric Pressure: 28.85229 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>
29	0.59
229	2.34
343	4.60
457	7.84
572	12.19
685	17.66

Air Filter Restriction Test Report

Test #: 474
Sample #: 16
Filter #: KF-1062
Housing #:
Date Code:

Operator: KM
Report Date: 3/15/2018
Filter Mfg.:
Housing Mfg.:



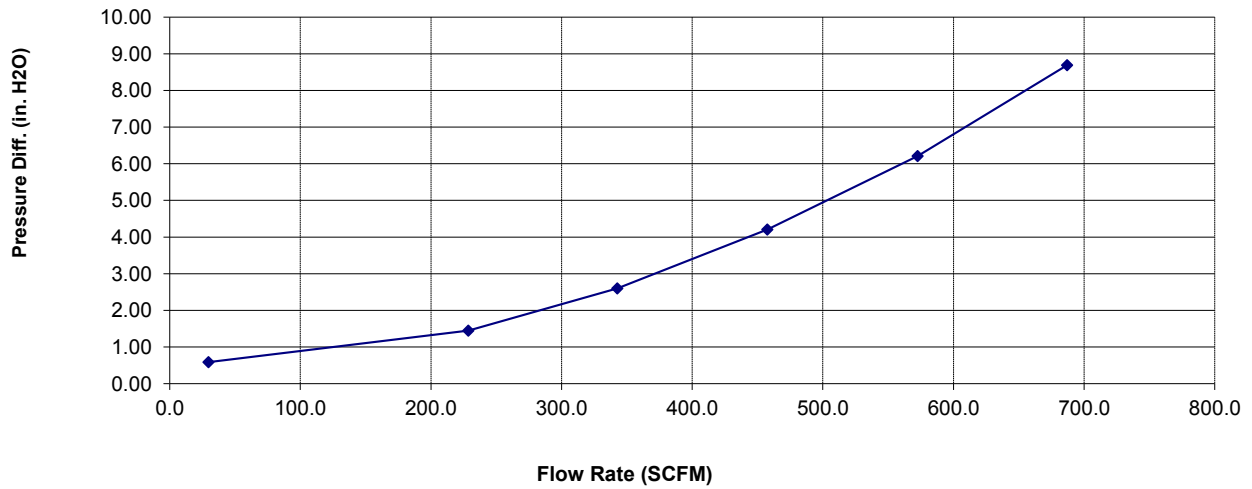
Test Description: 75-5110 Production Kit, No CCV, No Sensor, No Plug

Test Conditions

Barometric Pressure: 28.84321 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>
30	0.59
229	1.45
343	2.60
458	4.21
573	6.21
687	8.69

Air Filter Restriction Test Report

Test #: 474
Sample #: 19
Filter #: KF-1062
Housing #:
Date Code:

Operator: KM
Report Date: 3/15/2018
Filter Mfg.:
Housing Mfg.:



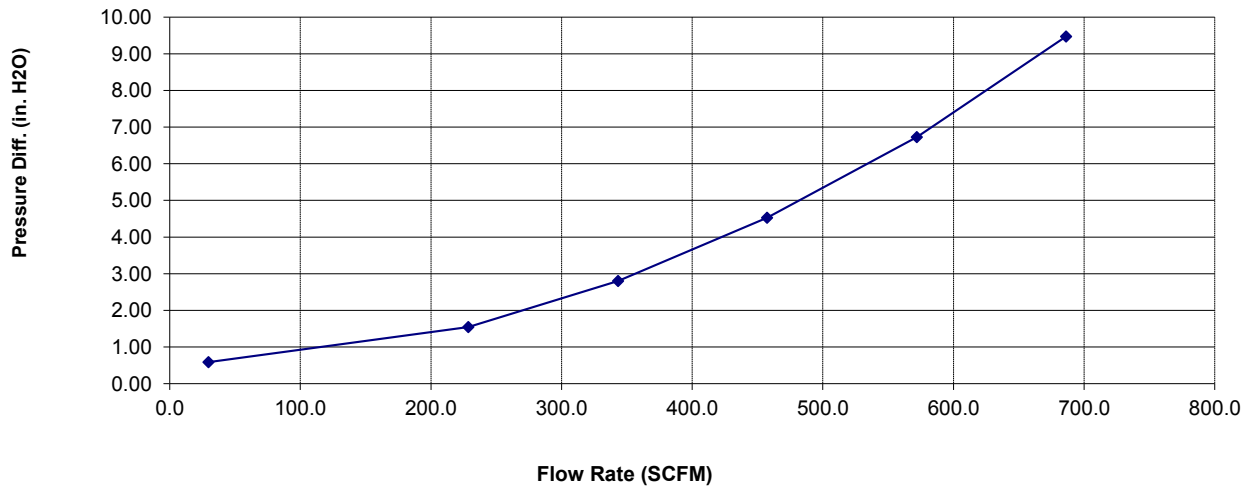
Test Description: 75-5110 Production Kit, No CCV, No Sensor, Plug Installed

Test Conditions

Barometric Pressure: 28.82141 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>
30	0.59
229	1.54
343	2.80
457	4.53
572	6.73
686	9.48

Air Filter Restriction Test Report

Test #: 474
Sample #: 17
Filter #: KF-1062D
Housing #:
Date Code:

Operator: KM
Report Date: 3/15/2018
Filter Mfg.:
Housing Mfg.:



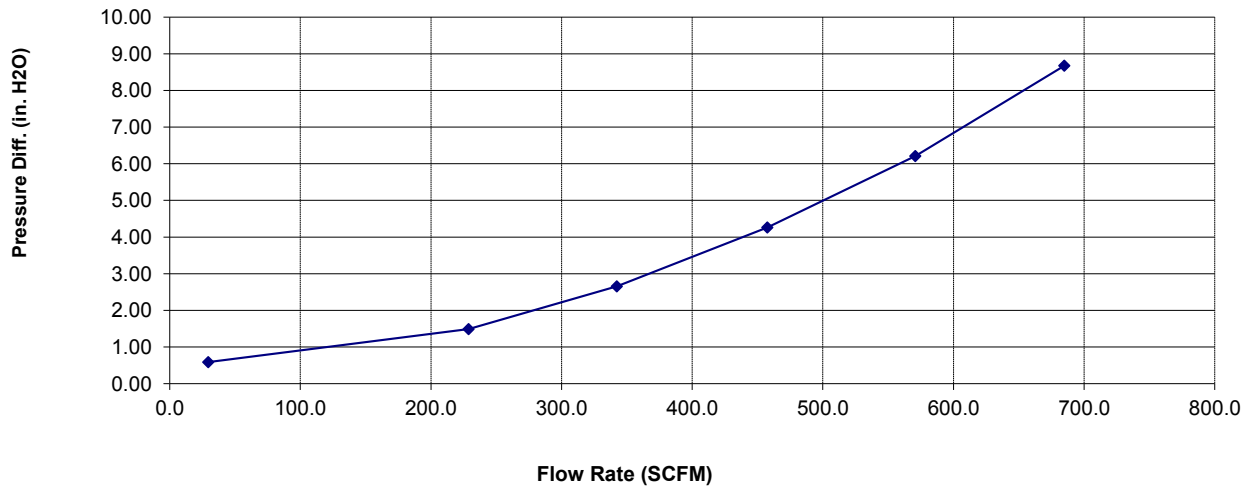
Test Description: 75-5110 Production Kit, No CCV, No Sensor, No Plug

Test Conditions

Barometric Pressure: 28.83381 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>
30	0.59
229	1.49
342	2.66
458	4.26
571	6.21
685	8.68

Air Filter Restriction Test Report

Test #: 474
Sample #: 18
Filter #: KF-1062D
Housing #:
Date Code:

Operator: KM
Report Date: 3/15/2018
Filter Mfg.:
Housing Mfg.:



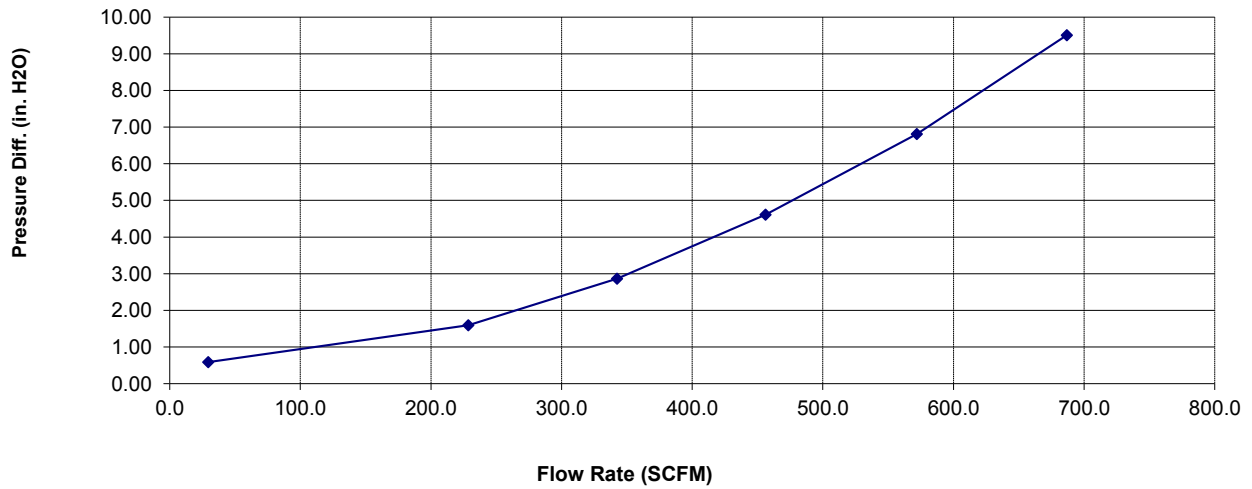
Test Description: 75-5110 Production Kit, No CCV, No Sensor, Plug Installed

Test Conditions

Barometric Pressure: 28.82252 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>
30	0.59
229	1.60
343	2.86
456	4.61
572	6.81
687	9.51

Air Filter Full Life Efficiency Test Report

Test #: 474
Sample #: 20
Filter #: 22845992
Housing #:
Date Code:

Operator: KM
Report Date: 3/16/2018
Filter Mfg.:
Housing Mfg.:



Test Description: Stock Intake, Stock Filter, No CCV, No Sensor

Test Conditions

Barometric Pressure:	28.879 in. Hg	Relative Humidity:	50 %
Air Flow Setpoint:	458 SCFM	Type of Dust:	
Test Procedure:		Batch #:	
Air Flow Type:	SCFM	Temperature:	69 deg. F
Test Endpoint:	10 in. H2O	Initial Add Rate:	NaN g/min
Number of Pleats:		Accumulative Add Rate:	12.97 g/min
Flow Direction:		Pleat Depth:	in.

Test Results

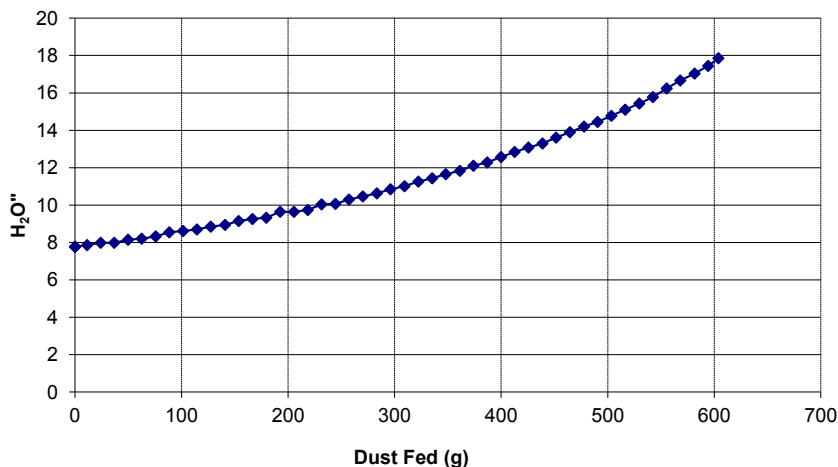
Initial Delta P 7.88 in. H2O **Accumulative Capacity:** 601.00 g
Test Time: 46.75 min

	Initial		Accumulative	
		Blanket		Blanket
Start			3932.80	173.06
End			4533.80	175.11
Gain			601.00	2.05
Efficiency			99.66%	

Standard Restriction

Pressure Differential

Dust Loading Curve



Dust Loading Curve Data

Dust Fed (g)	Pressure ("H2O)
0	7.767
11.402	7.856
24.182	7.986
36.91	7.988
49.728	8.141
62.648	8.204
75.852	8.318
88.612	8.546
101.584	8.608
114.547	8.687
127.378	8.851
140.767	8.943
153.627	9.141
166.591	9.259
179.56	9.318
192.561	9.633
205.577	9.638
218.494	9.741
231.409	10.029
244.435	10.067
257.289	10.291
270.259	10.467
283.291	10.629
296.088	10.849

Air Filter Full Life Efficiency Test Report

Test #: 474
Sample #: 22
Filter #: KF-1062D
Housing #:
Date Code:

Operator: KM
Report Date: 3/16/2018
Filter Mfg.:
Housing Mfg.:



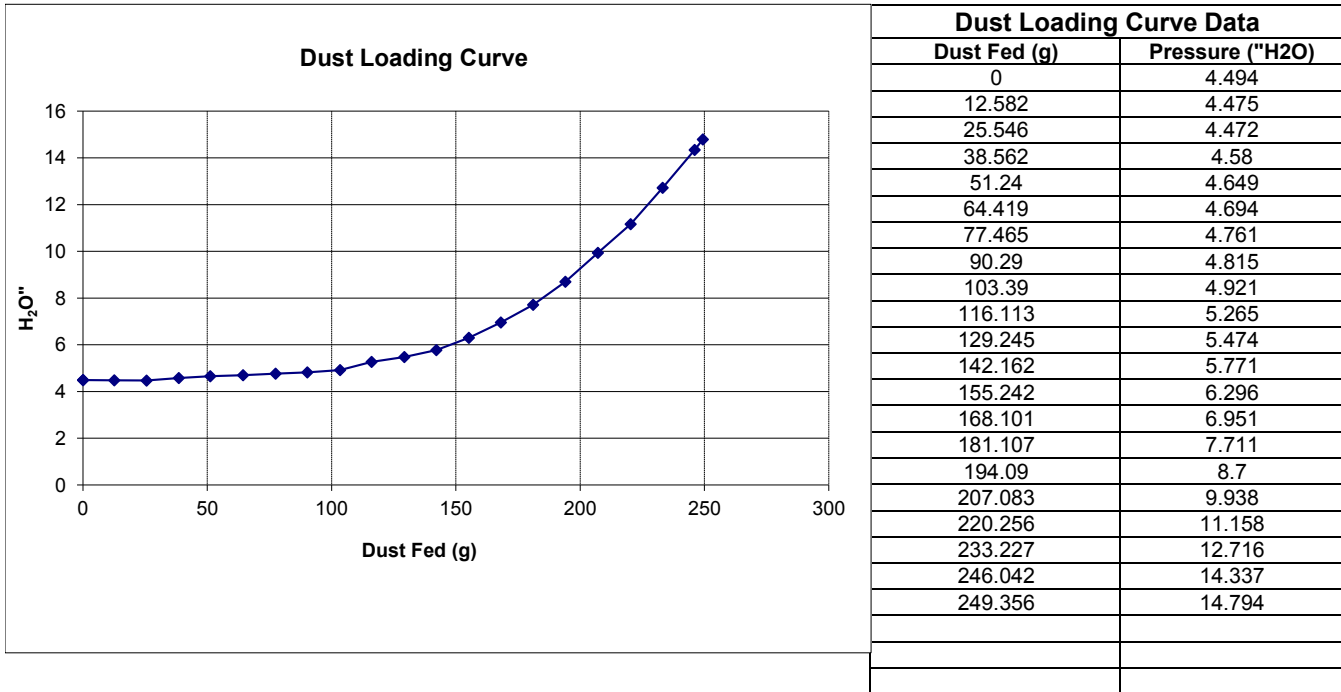
Test Description: 75-5110 Production Kit, No CCV, No Sensor, Plug Installed

Test Conditions			
Barometric Pressure:	28.837 in. Hg	Relative Humidity:	50 %
Air Flow Setpoint:	458 SCFM	Type of Dust:	
Test Procedure:		Batch #:	
Air Flow Type:	SCFM	Temperature:	69 deg. F
Test Endpoint:	10 in. H2O	Initial Add Rate:	NaN g/min
Number of Pleats:		Accumulative Add Rate:	12.97 g/min
Flow Direction:		Pleat Depth:	in.

Test Results			
Initial Delta P	4.57 in. H2O	Accumulative Capacity:	248.00 g
		Test Time:	19.25 min

	Initial		Accumulative	
		Blanket		Blanket
Start			4905.10	178.01
End			5153.10	179.26
Gain			248.00	1.25
Efficiency			99.50%	

- Standard Restriction
 Pressure Differential









BREATHE EASY!
YOUR ENGINE
& WARRANTY
ARE PROTECTED

LET'S
DO THIS.

CAUTION

CAUTION





DANGER
FLOOR

BREATHE EASY!
YOUR ENGINE
& MACHINERY
ARE PROTECTED

FILTERS

CAUTION

CAUTION

