Automotive & Powersports

THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75-5108, 75-5108D
Description: Performance Intake Kit & Filter
Vehicle Applications: 2011-2016 Ford F250/F350 6.2L V8 Gas

Test Date: 11/06/2017
Test Report #: 1, 2, 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 12.20% 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 @ 482 cfm)
S&B Intake w/ Cleanable Filter	12.20%
S&B Intake w/ Dry Filter	7.54%

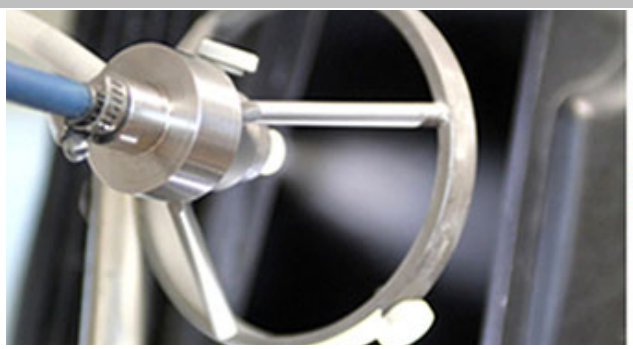
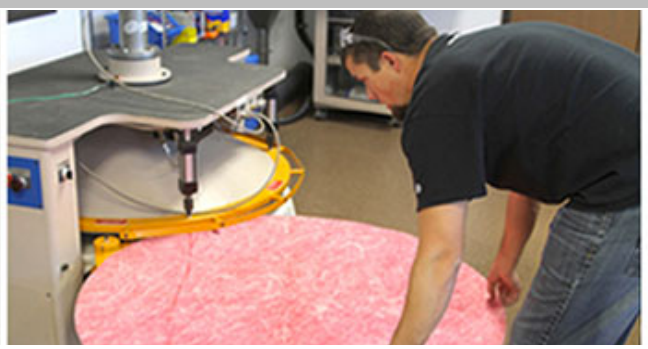
TEST CONDITIONS

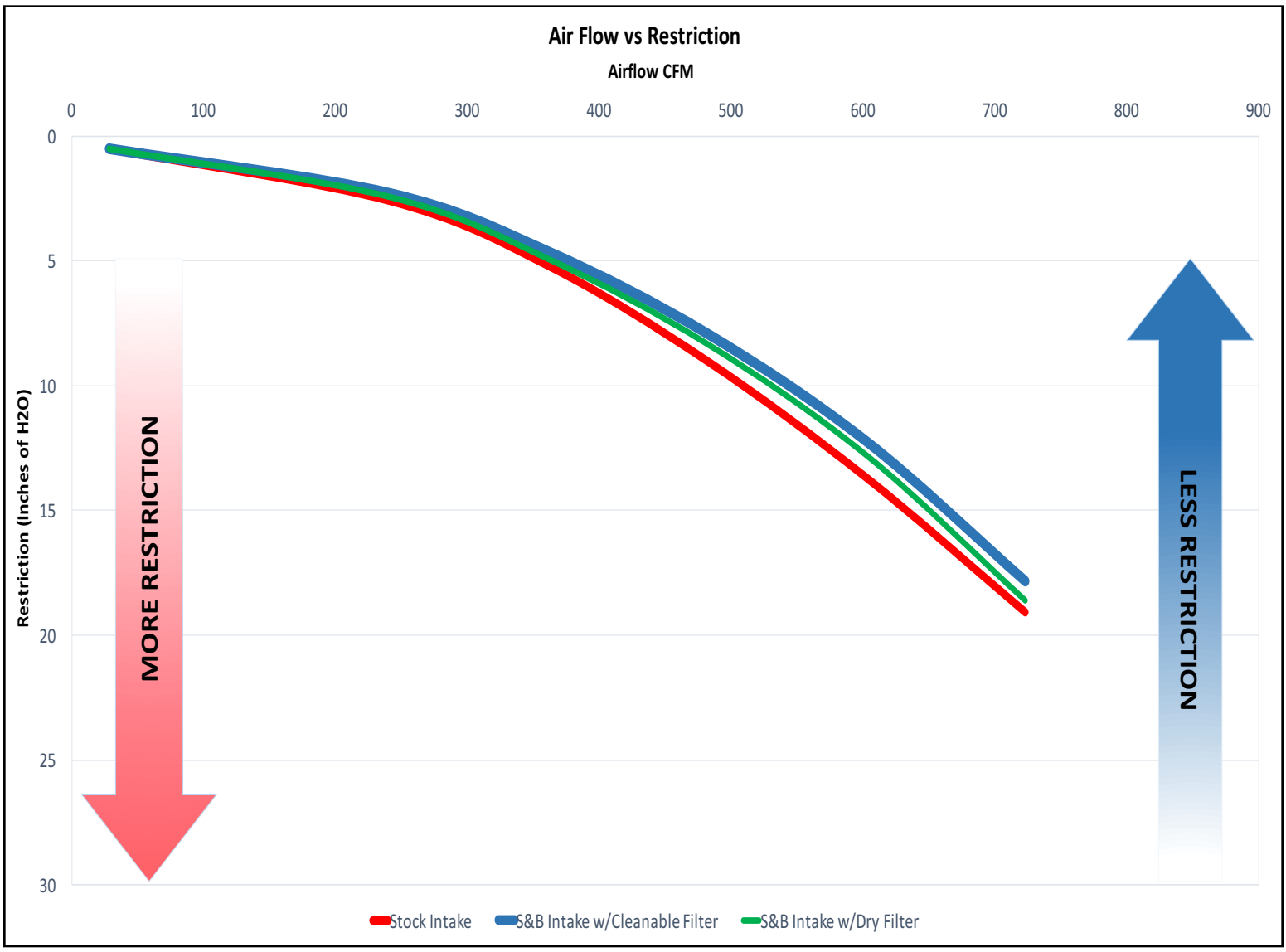
Barometric Pressure	28.98
Airflow Setpoint	482 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13240C
Dust Feed Rate (grams/minute)	13.65

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 @ 482 cfm)
Stock	99.81%
S&B Intake w/ Cleanable Filter	99.47%
S&B Intake w/ Dry Filter	99.63%

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

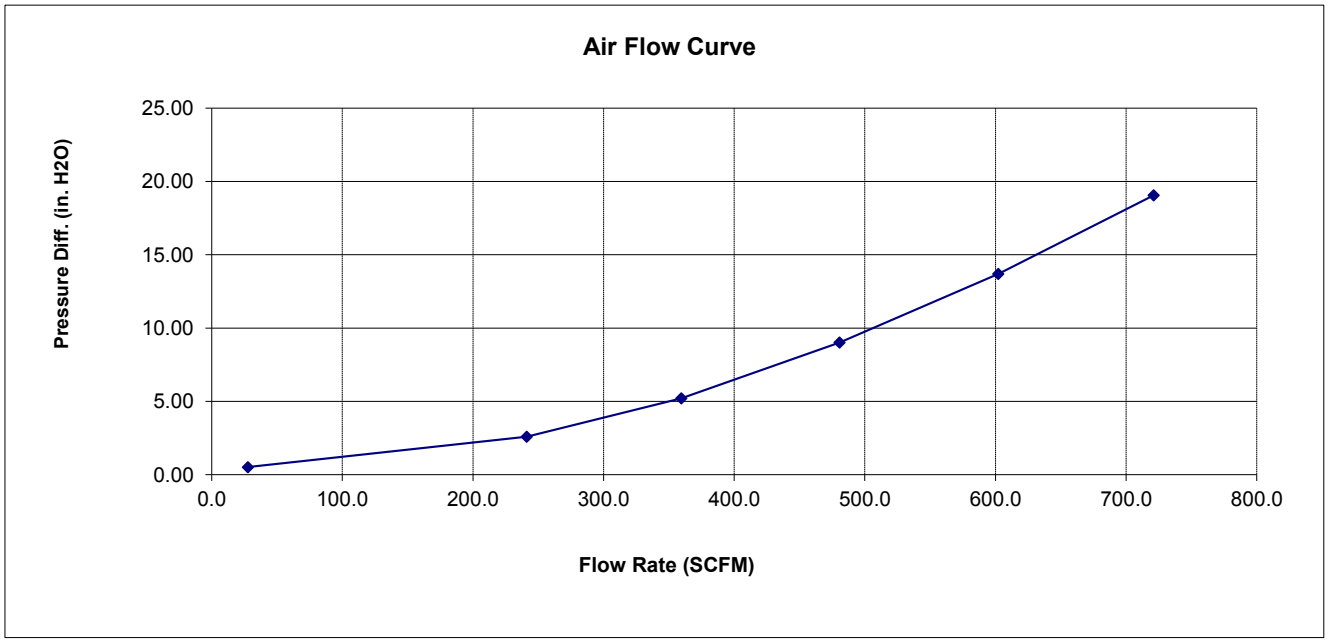
Test #: 473
Sample #: 1
Filter #: FA-1883
Housing #:
Date Code:

Operator: SD
Report Date: 11/6/2017
Filter Mfg.:
Housing Mfg.:

Test Description: STOCK INTAKE AND FILTER, NO CCV, NO SENSOR, MOPAR# FA-1883

Test Conditions

Barometric Pressure:	28.95763 in. Hg	**Relative Humidity:**	51 %
Air Flow Type:	SCFM	**Temperature:**	68 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
28	0.52
241	2.60
360	5.22
481	9.02
602	13.70
721	19.06

Air Filter Restriction Test Report

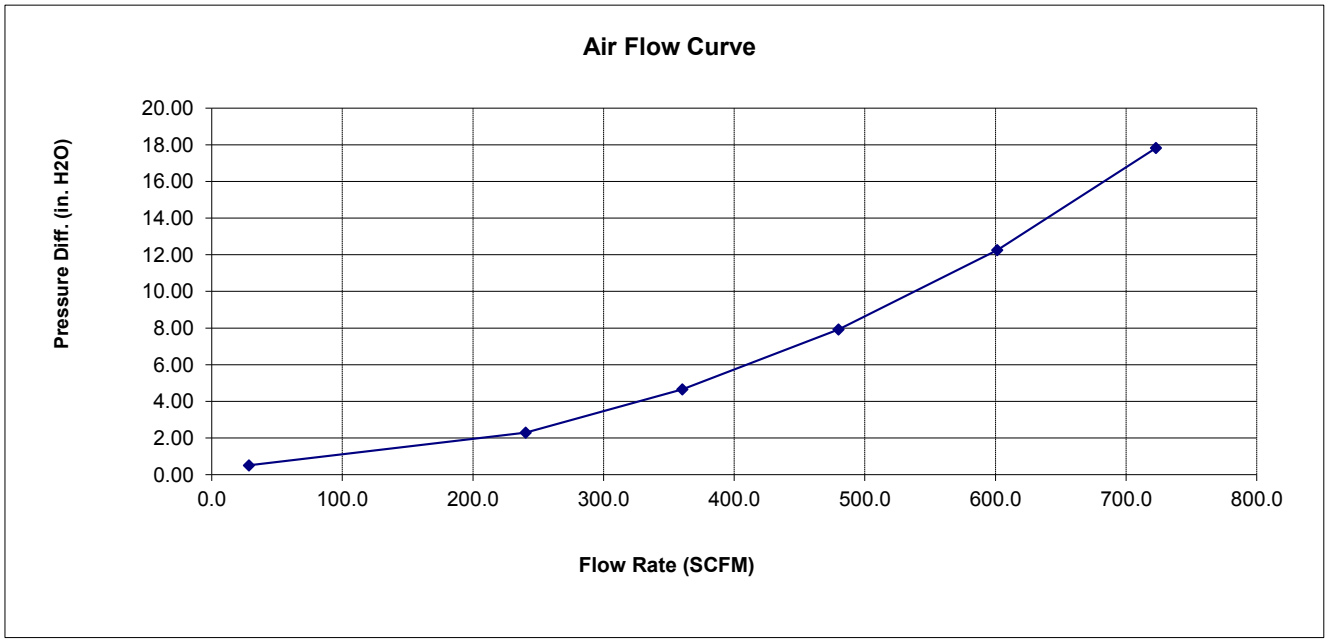
Test #: 473
Sample #: 3
Filter #: KF-1063
Housing #:
Date Code:

Operator: SD
Report Date: 11/6/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5108 PRODUCTION KIT, NO CCV, NO SENSOR, KF-1063

Test Conditions

Barometric Pressure:	28.94437 in. Hg	**Relative Humidity:**	50 %
Air Flow Type:	SCFM	**Temperature:**	69 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
29	0.51
240	2.30
360	4.65
480	7.92
601	12.25
723	17.83

Air Filter Restriction Test Report

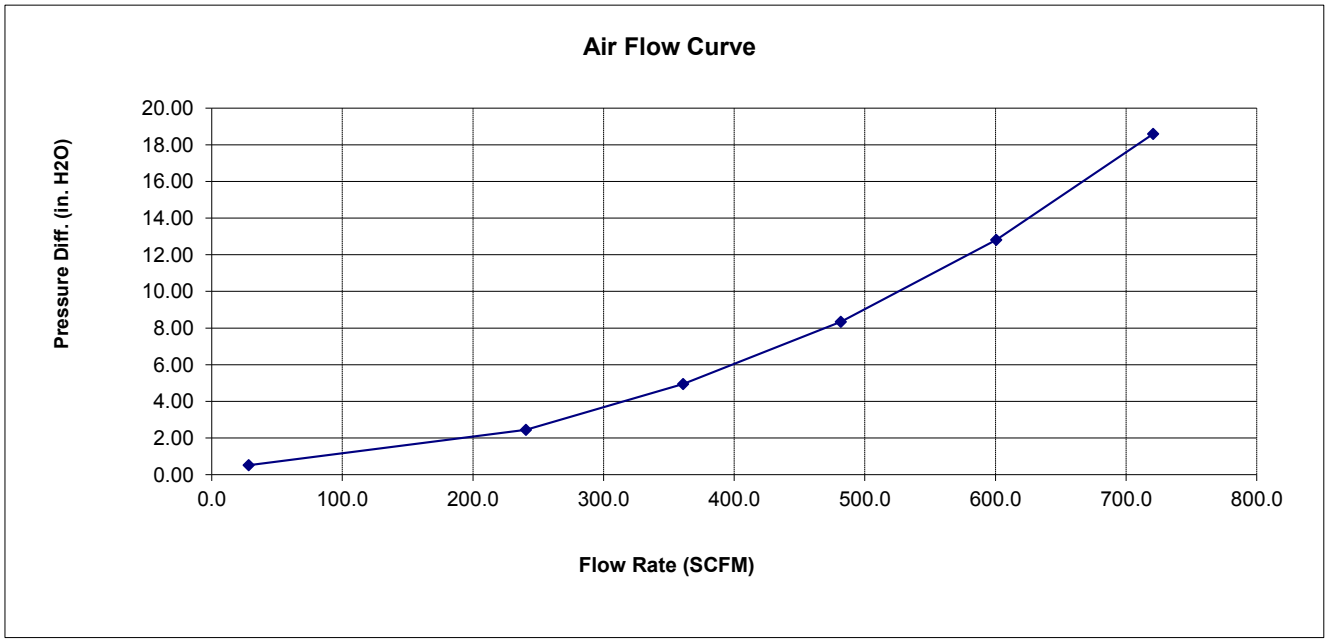
Test #: 473
Sample #: 5
Filter #: KF-1063D
Housing #:
Date Code:

Operator: SD
Report Date: 11/6/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5108 PRODUCTION KIT, NO CCV, NO SENSOR, KF-1063D

Test Conditions

Barometric Pressure:	28.93375 in. Hg	**Relative Humidity:**	49 %
Air Flow Type:	SCFM	**Temperature:**	68 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
28	0.52
241	2.45
361	4.95
482	8.34
601	12.81
721	18.60

Air Filter Full Life Efficiency Test Report

Test #: 473
Sample #: 2
Filter #: FA-1883
Housing #:
Date Code:

Operator: SD
Report Date: 11/6/2017
Filter Mfg.:
Housing Mfg.:

Test Description: STOCK INTAKE AND FILTER, NO CCV, NO SENSOR, MOPAR# FA-1883

Test Conditions

Barometric Pressure:	28.956 in. Hg	**Relative Humidity:**	51 %
Air Flow Setpoint:	482 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13240C
Air Flow Type:	SCFM	**Temperature:**	68 deg. F
Test Endpoint:	10 in. H2O	**Initial Add Rate:**	NaN g/min
Number of Pleats:		**Accumulative Add Rate:**	13.65 g/min
Flow Direction:		**Pleat Depth:**	in.

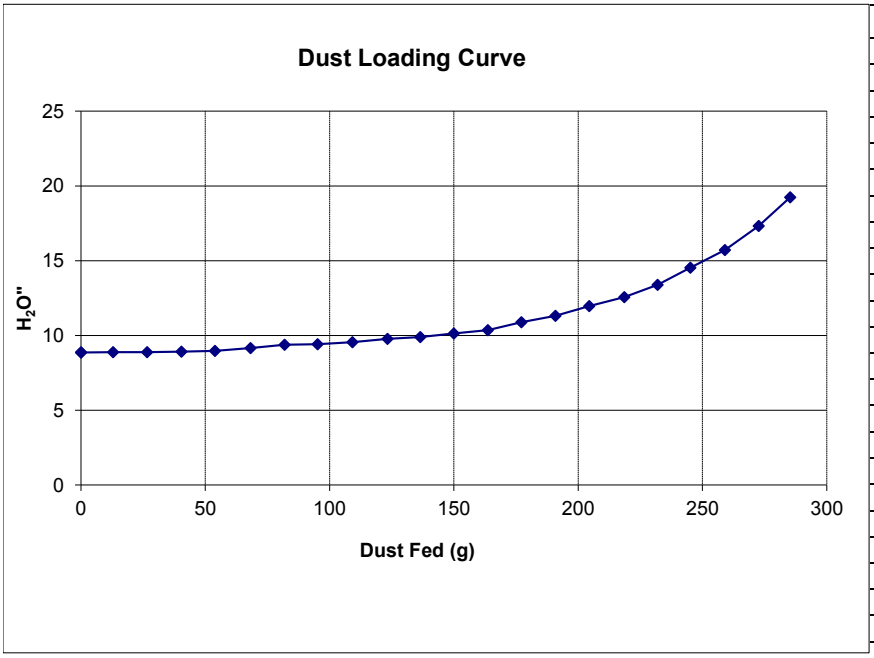
Test Results

Initial Delta P 8.89 in. H2O

Accumulative Capacity: 285.60 g
Test Time: 20.95 min

	Initial		Accumulative	
		Blanket		Blanket
Start			6495.30	141.98
End			6780.90	142.53
Gain			285.60	0.55
Efficiency			99.81%	

◉ Standard Restriction
○ Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	8.858
12.951	8.874
26.602	8.879
40.45	8.915
53.938	8.966
68.19	9.162
81.896	9.381
95.143	9.41
109.148	9.545
123.341	9.778
136.508	9.895
149.954	10.137
163.717	10.361
177.189	10.886
190.86	11.315
204.402	11.961
218.506	12.569
231.937	13.383
245.141	14.532
259.062	15.711
272.592	17.329
285.313	19.243

Air Filter Full Life Efficiency Test Report

Test #: 473
Sample #: 4
Filter #: KF-1063
Housing #: 75-5108
Date Code:

Operator: SD
Report Date: 11/6/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5108 PRODUCTION KIT, NO CCV, NO SENSOR, KF-1063

Test Conditions

Barometric Pressure:	28.907 in. Hg	**Relative Humidity:**	49 %
Air Flow Setpoint:	482 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13240C
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:**	13.65 g/min
Flow Direction:		**Pleat Depth:**	in.

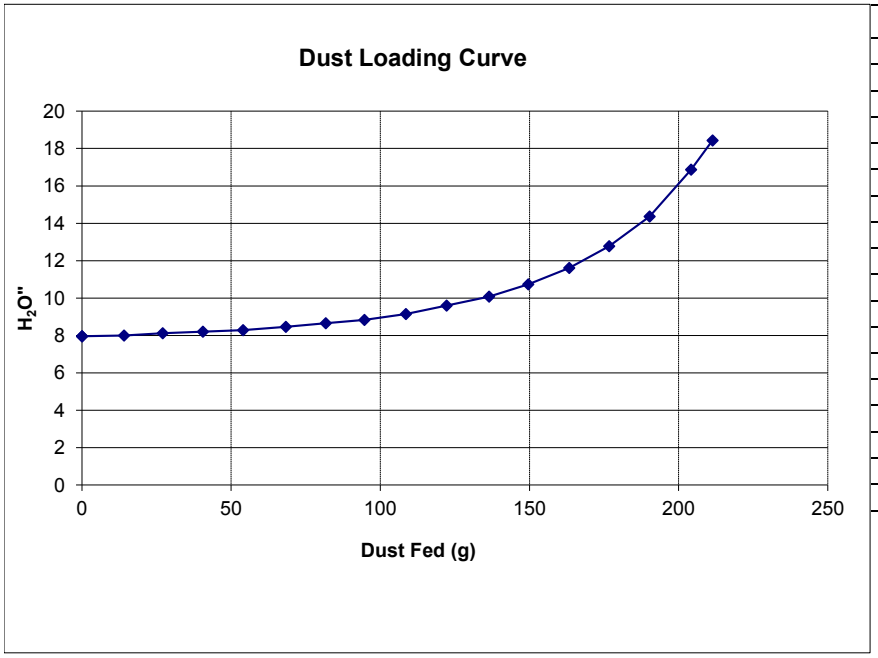
Test Results

Initial Delta P 8.02 in. H2O

Accumulative Capacity: 210.10 g
Test Time: 15.54 min

	Initial		Accumulative	
		Blanket		Blanket
Start			6565.90	142.53
End			6776.00	143.64
Gain			210.10	1.11
Efficiency			99.47%	

(•) Standard Restriction
( ) Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	7.956
14.069	8.001
27.027	8.116
40.512	8.196
53.964	8.276
68.342	8.459
81.732	8.655
94.677	8.827
108.553	9.14
122.249	9.591
136.513	10.078
149.587	10.732
163.323	11.605
176.761	12.768
190.276	14.363
204.163	16.87
211.353	18.432

Air Filter Full Life Efficiency Test Report

Test #: 473
Sample #: 6
Filter #: KF-1063D
Housing #: 75-5108
Date Code:

Operator: SD
Report Date: 11/6/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5108 PRODUCTION KIT, NO CCV, NO SENSOR, KF-1063D

Test Conditions

Barometric Pressure:	28.892 in. Hg	**Relative Humidity:**	49 %
Air Flow Setpoint:	482 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13240C
Air Flow Type:	SCFM	**Temperature:**	68 deg. F
Test Endpoint:	10 in. H2O	**Initial Add Rate:**	NaN g/min
Number of Pleats:		**Accumulative Add Rate:**	13.65 g/min
Flow Direction:		**Pleat Depth:**	in.

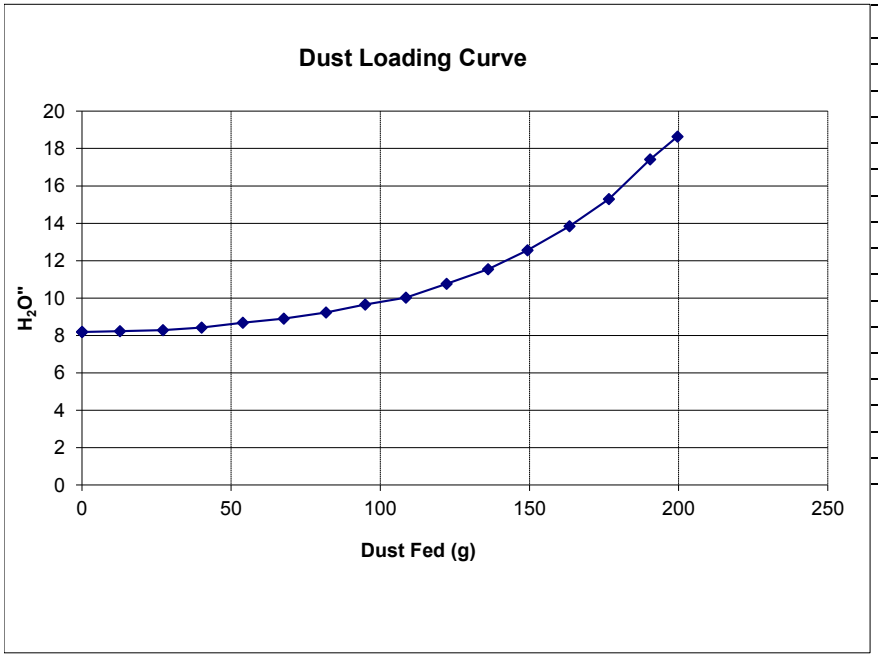
Test Results

Initial Delta P 8.41 in. H2O

Accumulative Capacity: 199.50 g
Test Time: 14.67 min

	Initial		Accumulative	
		Blanket		Blanket
Start			6538.20	143.64
End			6737.70	144.38
Gain			199.50	0.74
Efficiency			99.63%	

(•) Standard Restriction
( ) Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	8.183
12.699	8.223
27.159	8.285
40.145	8.421
53.89	8.685
67.668	8.899
81.802	9.232
94.937	9.65
108.548	10.028
122.271	10.763
136.091	11.536
149.318	12.552
163.409	13.839
176.646	15.296
190.483	17.413
199.66	18.643