Automotive & Powersports

THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75-5079, 75-5079D
Description: Performance Intake Kit & Filter
Vehicle Applications: 1997 - 2006 Jeep Wrangler TJ 4.0L

Test Date: 12/13/16
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 66.99% 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 @ 260 cfm)
S&B Intake w/ Cleanable Filter	66.99%
S&B Intake w/ Dry Filter	66.08%

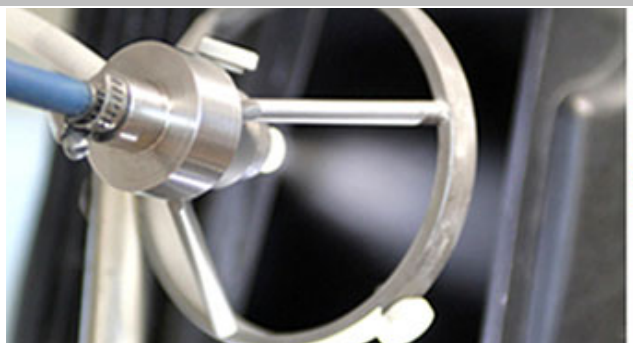
TEST CONDITIONS

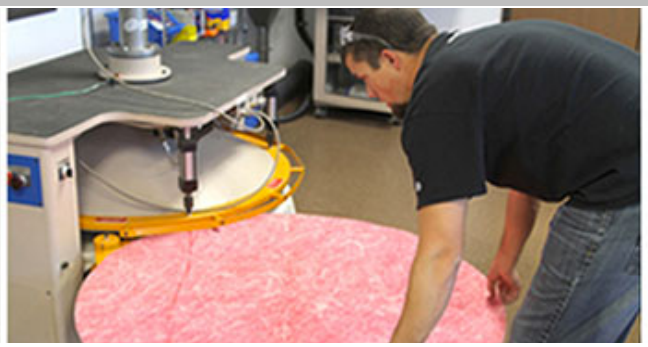
Barometric Pressure	28.98
Airflow Setpoint	260 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13099C
Dust Feed Rate (grams/minute)	7.36

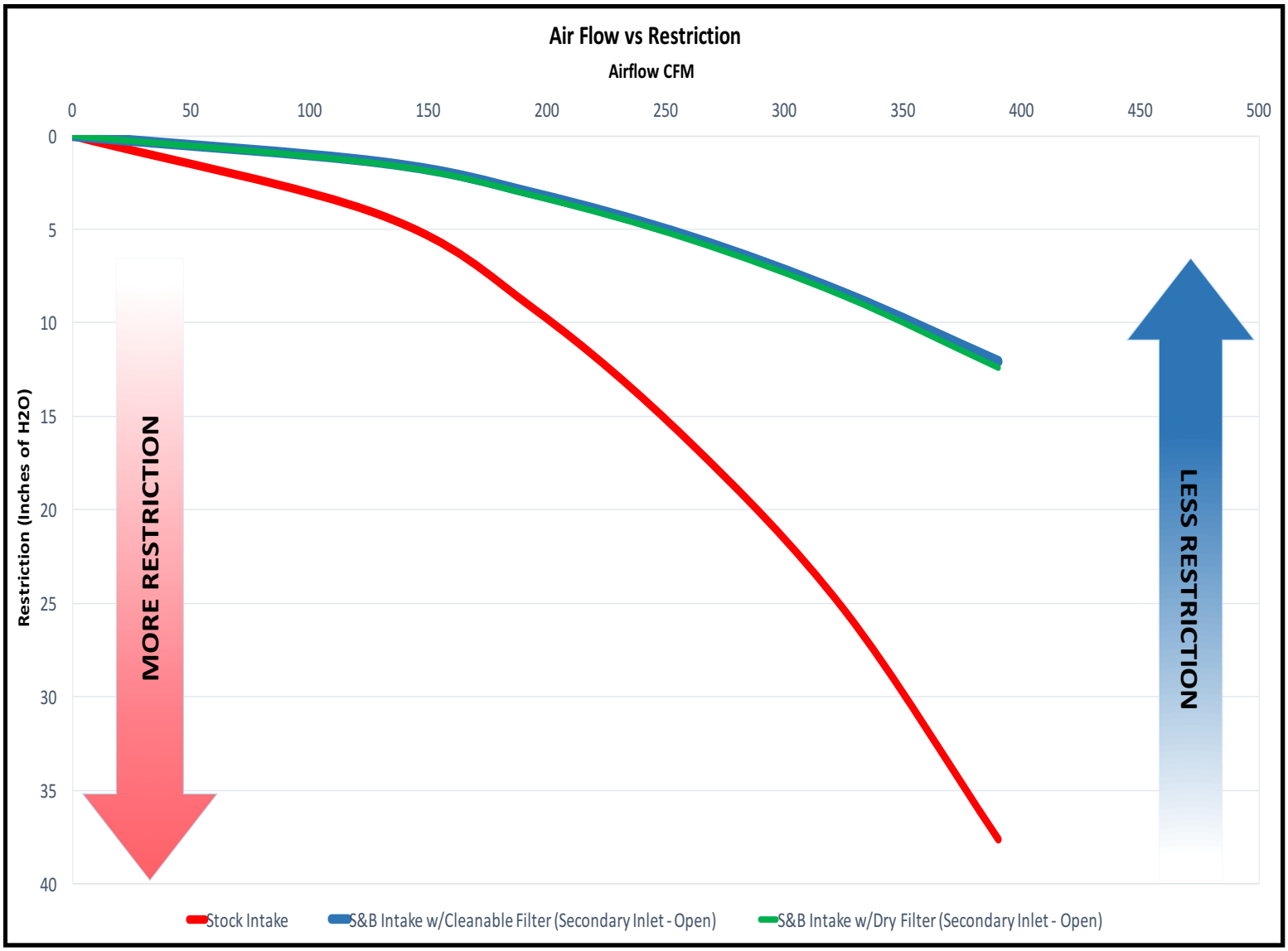
FACT: S&B Protects Your Engine
S&B tests at the highest rated CFM for your vehicle when determining the efficiency rate (amount of dust the filter stops), so that we can be sure that your engine will be protected.

Description	Efficiency Rate (tested @ 260 cfm)
Stock	99.52%
S&B Intake w/ Cleanable Filter	99.33%
S&B Intake w/ Dry Filter	99.43%

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

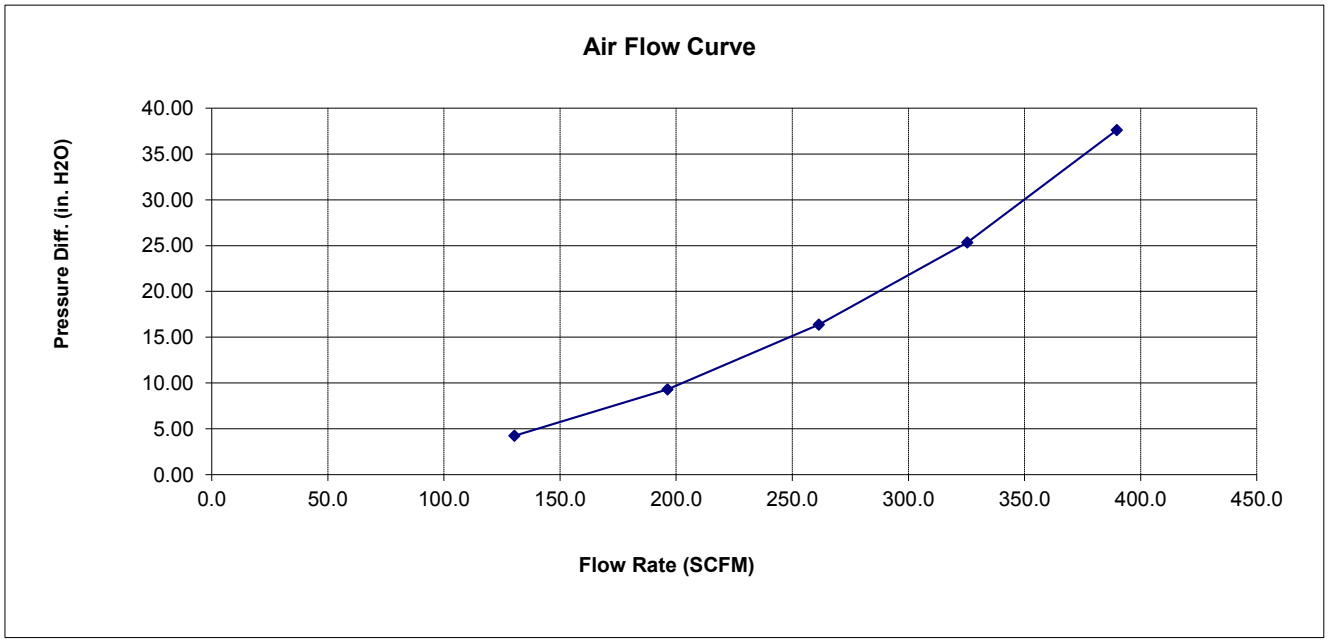
Test #: 443
Sample #: 1
Filter #: 4797777AC
Housing #:
Date Code:

Operator: SD
Report Date: 12/13/2016
Filter Mfg.: MOPAR
Housing Mfg.:

Test Description: STOCK INTAKE AND FILTER, NO CCV, MOPAR# 4797777AC

Test Conditions

Barometric Pressure:	29.11052 in. Hg	**Relative Humidity:**	47 %
Air Flow Type:	SCFM	**Temperature:**	69 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
130	4.25
196	9.32
261	16.39
325	25.35
390	37.63

Air Filter Restriction Test Report

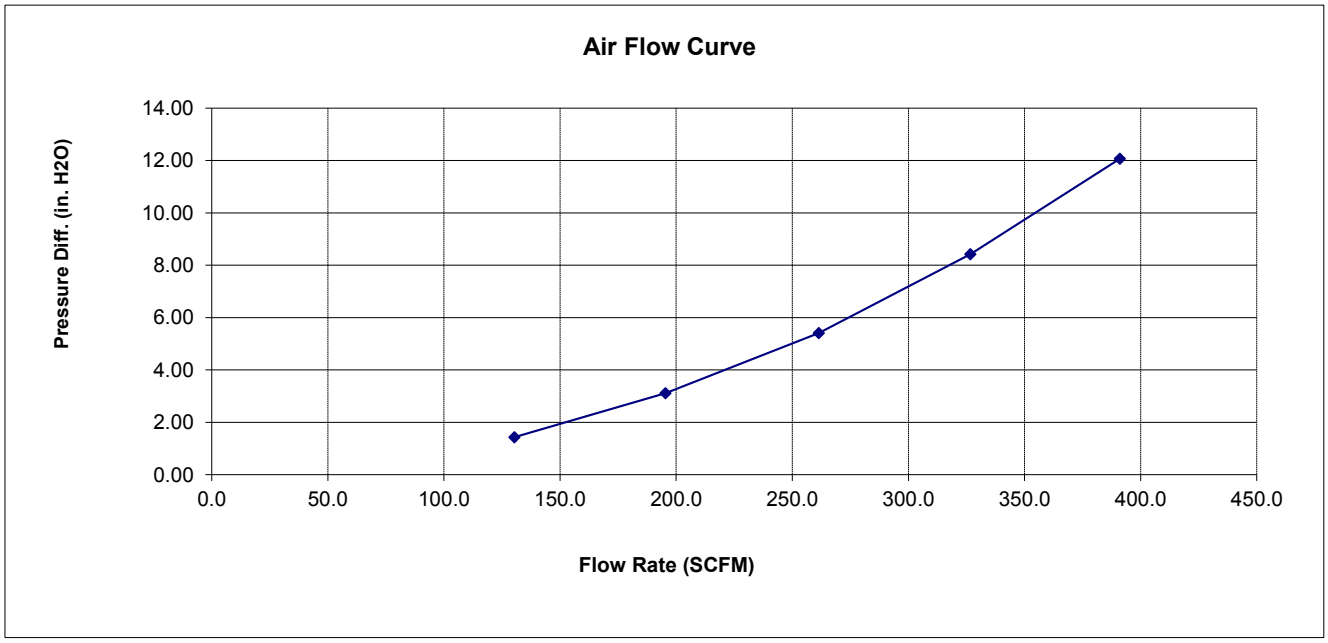
Test #: 443
Sample #: 3
Filter #: KF-1058
Housing #: 75-5079
Date Code:

Operator: SD
Report Date: 12/13/2016
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5079 PRODUCTION KIT, NO SENSOR, NO CCV, LID INSTALLED, KF-1058

Test Conditions

Barometric Pressure:	28.99573 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
130	1.43
195	3.11
261	5.41
327	8.42
391	12.07

Air Filter Restriction Test Report

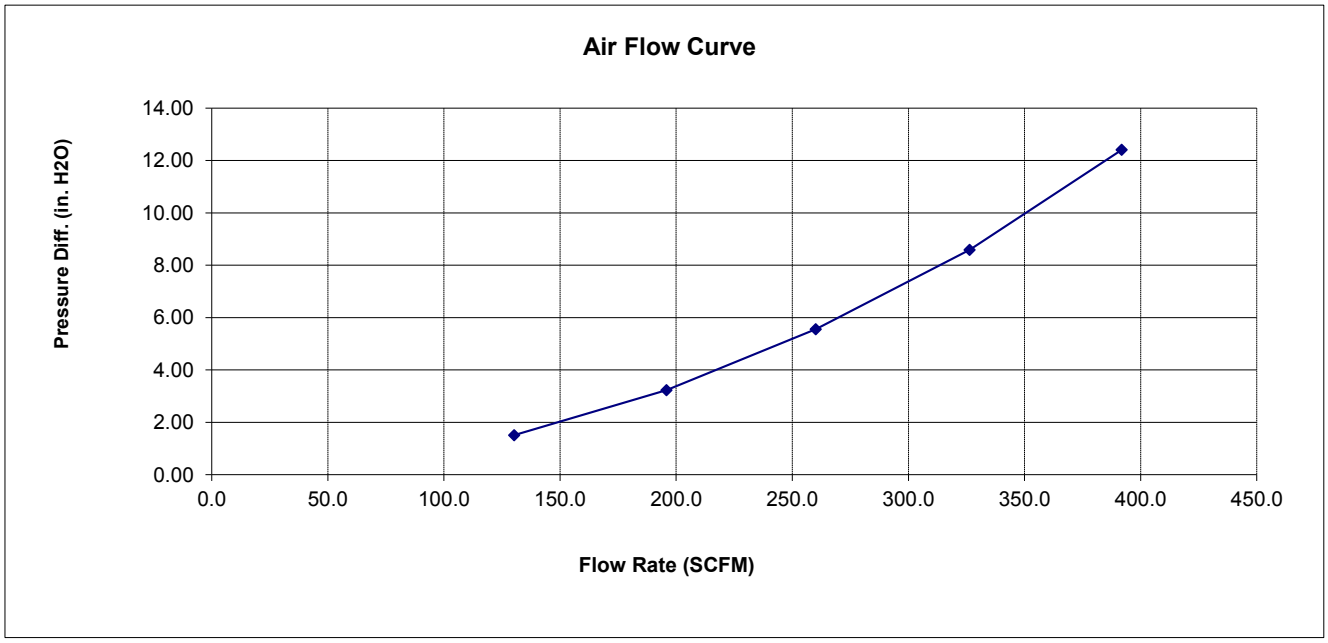
Test #: 443
Sample #: 4
Filter #: KF-1058D
Housing #: 75-5079
Date Code:

Operator: SD
Report Date: 12/13/2016
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5079 PRODUCTION KIT, NO SENSOR, NO CCV, LID INSTALLED, KF-1058D

Test Conditions

Barometric Pressure:	28.99084 in. Hg	**Relative Humidity:**	50 %
Air Flow Type:	SCFM	**Temperature:**	68 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
130	1.51
196	3.23
260	5.56
326	8.59
392	12.41

Air Filter Full Life Efficiency Test Report

Test #: 443
Sample #: 2
Filter #: 4797777AC
Housing #:
Date Code:

Operator: SD
Report Date: 12/13/2016
Filter Mfg.:
Housing Mfg.:

Test Description: STOCK INTAKE AND FILTER, NO CCV, MOPAR #4797777AC

Test Conditions

Barometric Pressure:	29.092 in. Hg	**Relative Humidity:**	47 %
Air Flow Setpoint:	260 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13099C
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:**	7.36 g/min
Flow Direction:		**Pleat Depth:**	in.

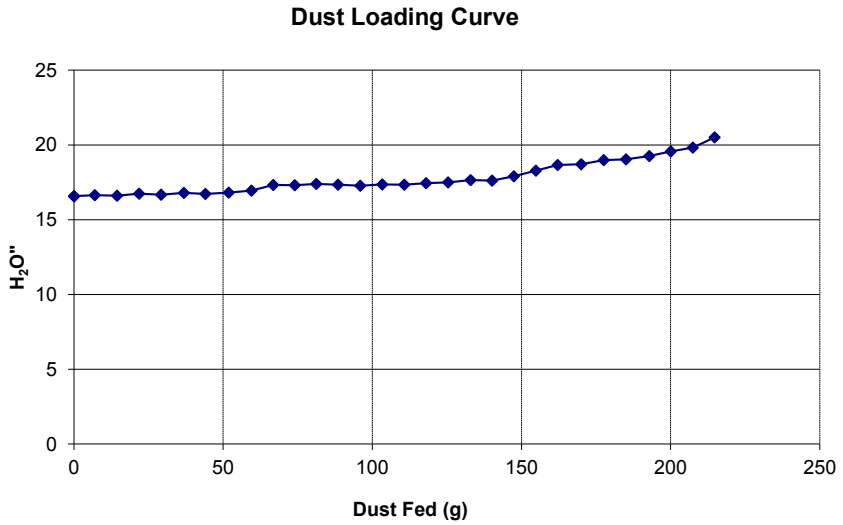
Test Results

Initial Delta P 16.43 in. H2O

Accumulative Capacity: 249.80 g
Test Time: 30.02 min

	Initial		Accumulative	
		Blanket		Blanket
Start			2382.10	138.92
End			2631.90	140.11
Gain			249.80	1.19
Efficiency			99.52%	

(•) Standard Restriction
( ) Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	16.585
6.957	16.631
14.434	16.595
21.786	16.736
29.224	16.67
36.879	16.797
44.075	16.725
51.872	16.802
59.493	16.945
66.781	17.325
74.006	17.311
81.198	17.383
88.527	17.334
95.973	17.273
103.368	17.359
110.756	17.332
118.047	17.441
125.394	17.499
132.963	17.645
140.159	17.615
147.45	17.901
154.831	18.288
162.161	18.655
170.024	18.705

Air Filter Full Life Efficiency Test Report

Test #: 443
Sample #: 5
Filter #: KF-1058
Housing #: 75-5079
Date Code:

Operator: SD
Report Date: 12/13/2016
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5079 PRODUCTION KIT, NO SENSOR, NO CCV, LID INSTALLED, KF-1058

Test Conditions

Barometric Pressure:	28.900 in. Hg	**Relative Humidity:**	49 %
Air Flow Setpoint:	260 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13099C
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:**	7.36 g/min
Flow Direction:		**Pleat Depth:**	in.

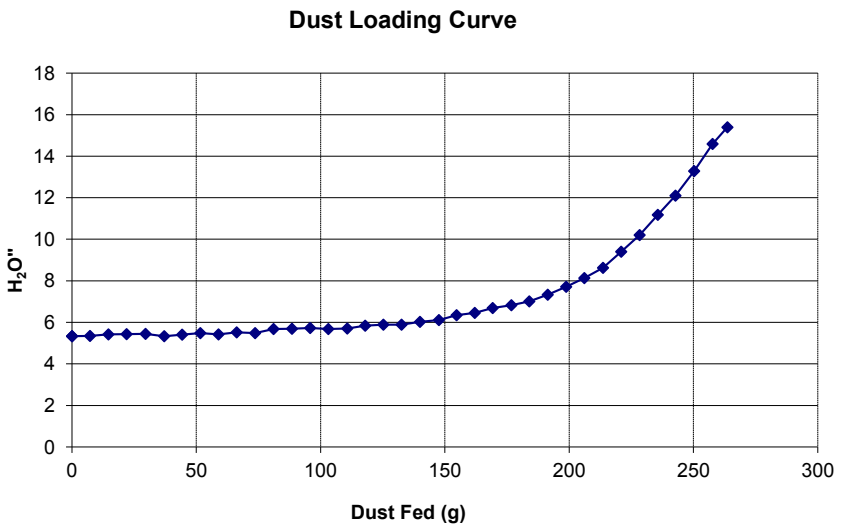
Test Results

Initial Delta P 5.28 in. H2O

Accumulative Capacity: 259.50 g
Test Time: 35.82 min

	Initial		Accumulative	
		Blanket		Blanket
Start			4996.80	142.55
End			5256.30	144.28
Gain			259.50	1.73
Efficiency			99.33%	

◉ Standard Restriction
○ Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	5.354
7.192	5.343
14.66	5.425
21.975	5.436
29.59	5.449
37.128	5.33
44.328	5.405
51.603	5.488
58.914	5.424
66.246	5.518
73.625	5.488
81.062	5.684
88.464	5.694
95.785	5.73
103.146	5.679
110.699	5.707
117.965	5.836
125.293	5.892
132.555	5.887
139.945	6.023
147.551	6.106
154.71	6.349
162.051	6.462
169.265	6.695

Air Filter Full Life Efficiency Test Report

Test #: 443
Sample #: 6
Filter #: KF-1058D
Housing #: 75-5079
Date Code:

Operator: SD
Report Date: 12/13/2016
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5079 PRODUCTION KIT, NO SENSOR, NO CCV, LID INSTALLED, KF-1058D

Test Conditions

Barometric Pressure:	28.912 in. Hg	**Relative Humidity:**	49 %
Air Flow Setpoint:	260 SCFM	**Type of Dust:**	A4 COARSE
Test Procedure:		**Batch #:**	13099C
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:**	7.36 g/min
Flow Direction:		**Pleat Depth:**	in.

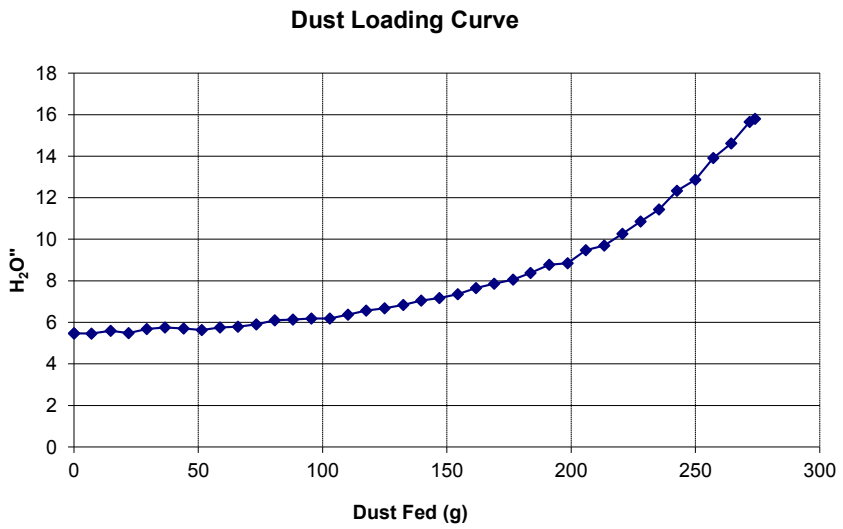
Test Results

Initial Delta P 5.36 in. H2O

Accumulative Capacity: 271.70 g
Test Time: 37.31 min

	Initial		Accumulative	
		Blanket		Blanket
Start			4960.50	144.28
End			5232.20	145.83
Gain			271.70	1.55
Efficiency			99.43%	

(•) Standard Restriction
( ) Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	**Pressure ("H2O)**
0	5.464
6.991	5.463
14.762	5.589
21.968	5.485
29.286	5.674
36.629	5.759
44.141	5.71
51.426	5.632
58.754	5.748
65.92	5.793
73.345	5.907
80.749	6.097
88.13	6.136
95.534	6.191
102.93	6.184
110.267	6.37
117.547	6.564
124.941	6.676
132.448	6.843
139.693	7.044
146.955	7.165
154.363	7.353
161.703	7.654
169.071	7.864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