Automotive & Powersports

THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75-5105, 75-5105D
Description: Performance Intake Kit & Filter
Vehicle Applications: 2008-2010 Ford Powerstroke 6.4L

Test Date: 08/10/17
Test Report #: 1, 3, 4, 6, 7

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 23.10% 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 @ 593 cfm)
S&B Intake w/ Cleanable Filter (Secondary Inlet - Open)	23.10%
S&B Intake w/ Cleanable Filter (Secondary Inlet - Closed)	15.42%
S&B Intake w/ Dry Filter (Secondary Inlet - Open)	21.32%
S&B Intake w/ Dry Filter (Secondary Inlet - Closed)	13.69%

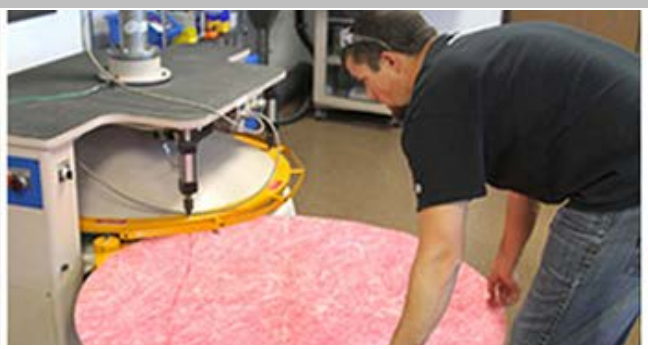
TEST CONDITIONS

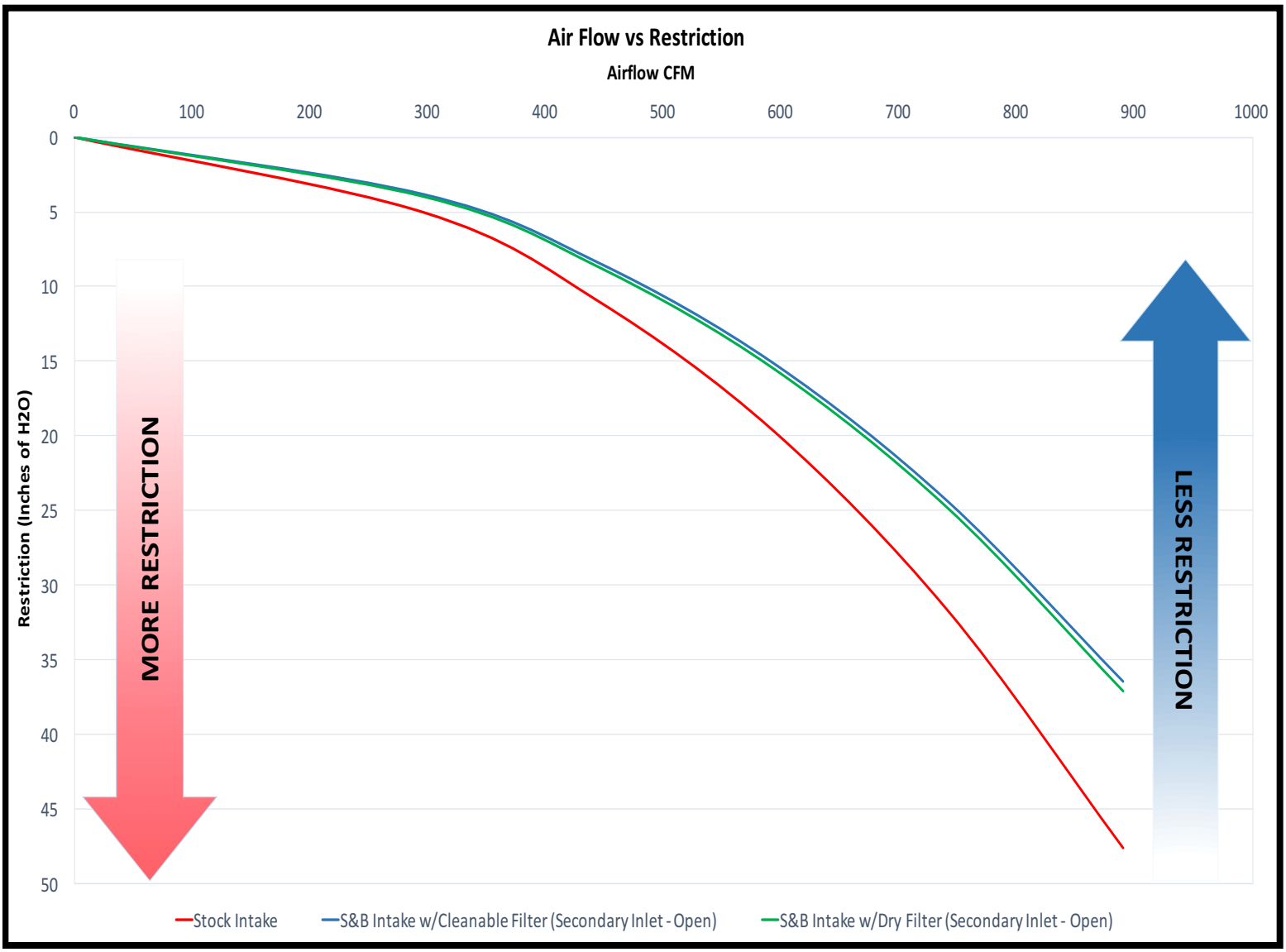
Barometric Pressure	28.98
Airflow Setpoint	593 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13240C
Dust Feed Rate (grams/minute)	16.79

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 @ 593 cfm)
Stock	99.75%
S&B Intake w/ Cleanable Filter	99.50%
S&B Intake w/ Dry Filter	99.47%

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

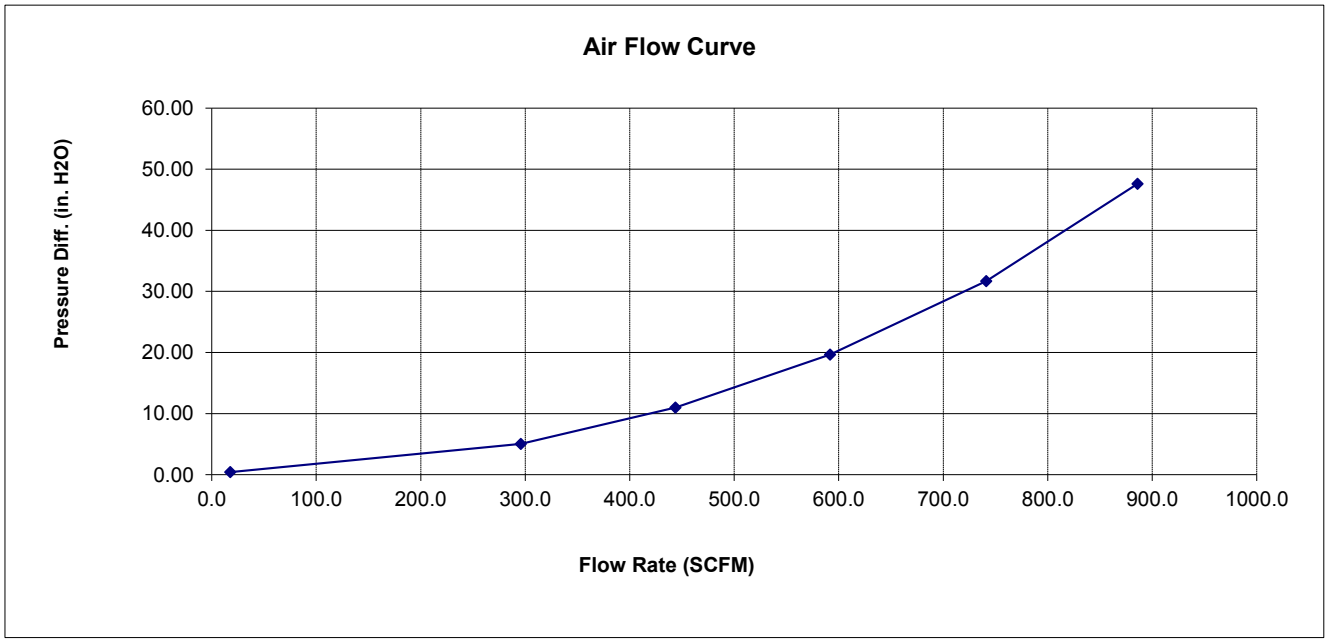
Test #: 458
Sample #: 1
Filter #: FA-1886
Housing #:
Date Code:

Operator: SD
Report Date: 8/10/2017
Filter Mfg.:
Housing Mfg.:

Test Description: STOCK INTAKE AND FILTER, NO CCV, NO SENSORS, NO SECONDARY AIR INLET, FA-1886

Test Conditions

Barometric Pressure:	28.79438 in. Hg	**Relative Humidity:**	50 %
Air Flow Type:	SCFM	**Temperature:**	67 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
18	0.42
296	5.05
444	11.00
592	19.65
741	31.69
886	47.62

Air Filter Restriction Test Report

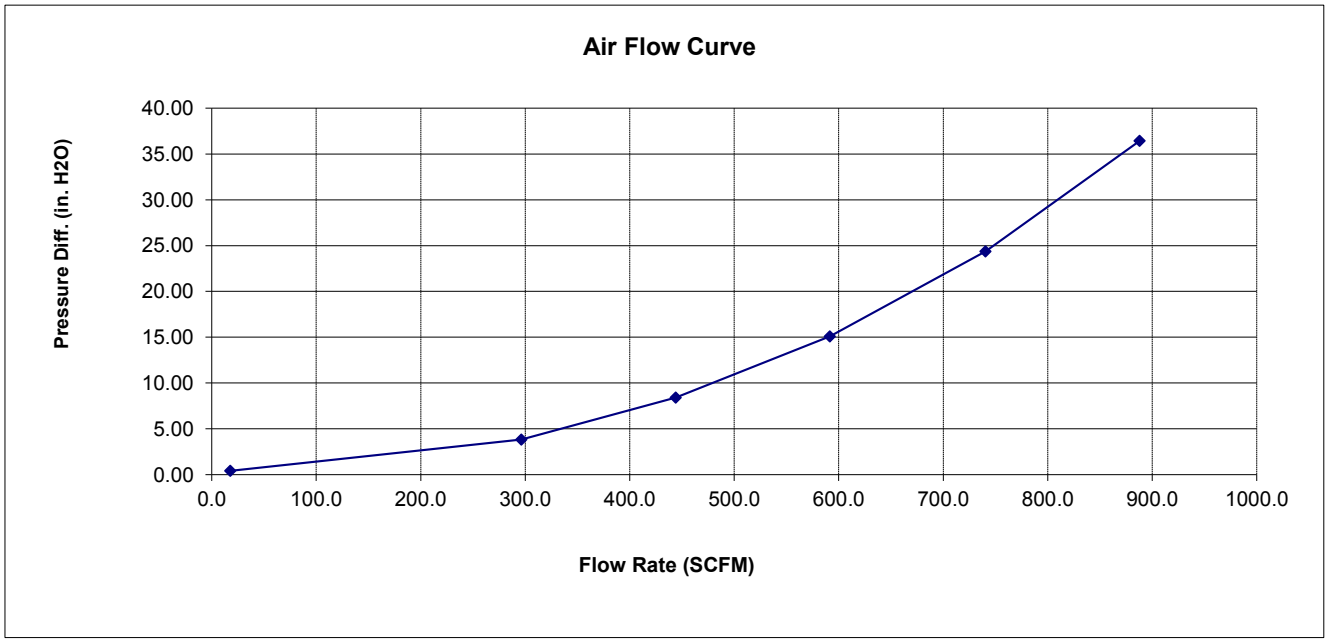
Test #: 458
Sample #: 3
Filter #: KF-1051
Housing #: 75-5105
Date Code:

Operator: SD
Report Date: 8/10/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5105 PRODUCTION KIT, NO CCV, NO SENSORS, PLUG REMOVED, KF-1051

Test Conditions

Barometric Pressure:	28.79611 in. Hg	**Relative Humidity:**	51 %
Air Flow Type:	SCFM	**Temperature:**	67 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
18	0.42
296	3.84
444	8.41
591	15.11
740	24.36
888	36.43

Air Filter Restriction Test Report

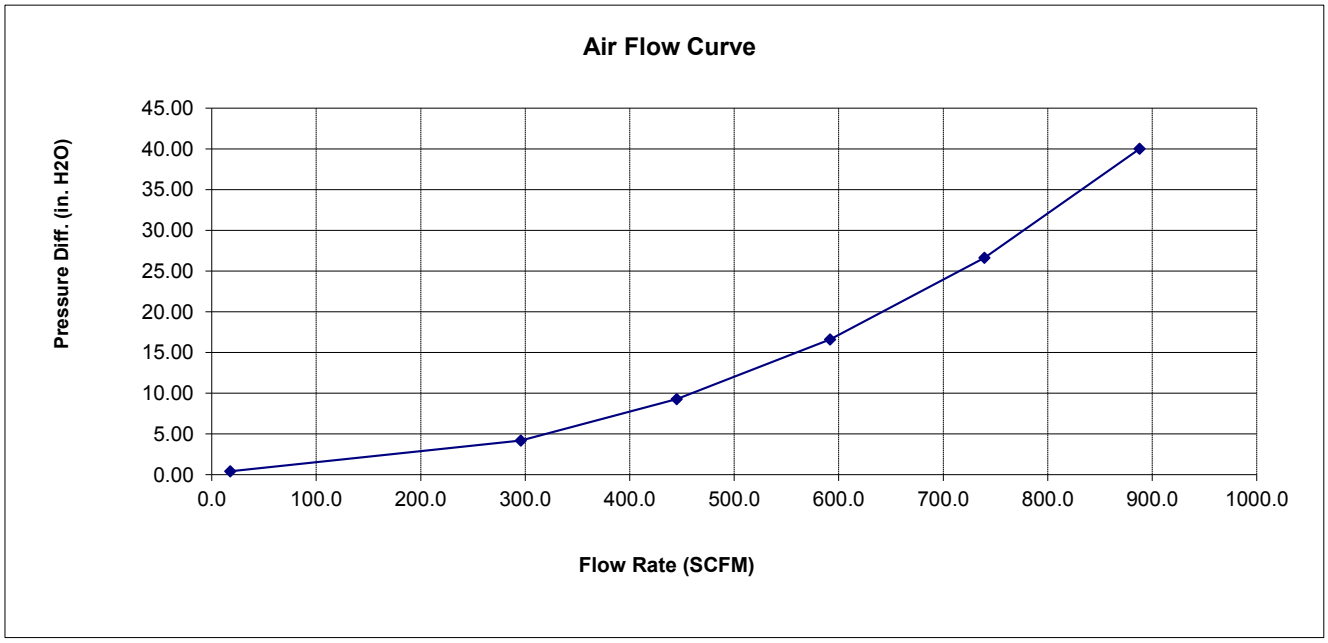
Test #: 458
Sample #: 4
Filter #: KF-1051
Housing #: 75-5105
Date Code:

Operator: SD
Report Date: 8/10/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5105 PRODUCTION KIT, NO CCV, NO SENSORS, PLUG INSTALLED, KF-1051

Test Conditions

Barometric Pressure:	28.79528 in. Hg	**Relative Humidity:**	52 %
Air Flow Type:	SCFM	**Temperature:**	69 deg. F
Number of Pleats:		**Pleat Depth:**	in.
Flow Direction:			



Air Flow Curve Data

Flow Rate	Differential Pressure
18	0.42
296	4.20
445	9.29
592	16.62
740	26.63
888	40.01

Air Filter Restriction Test Report

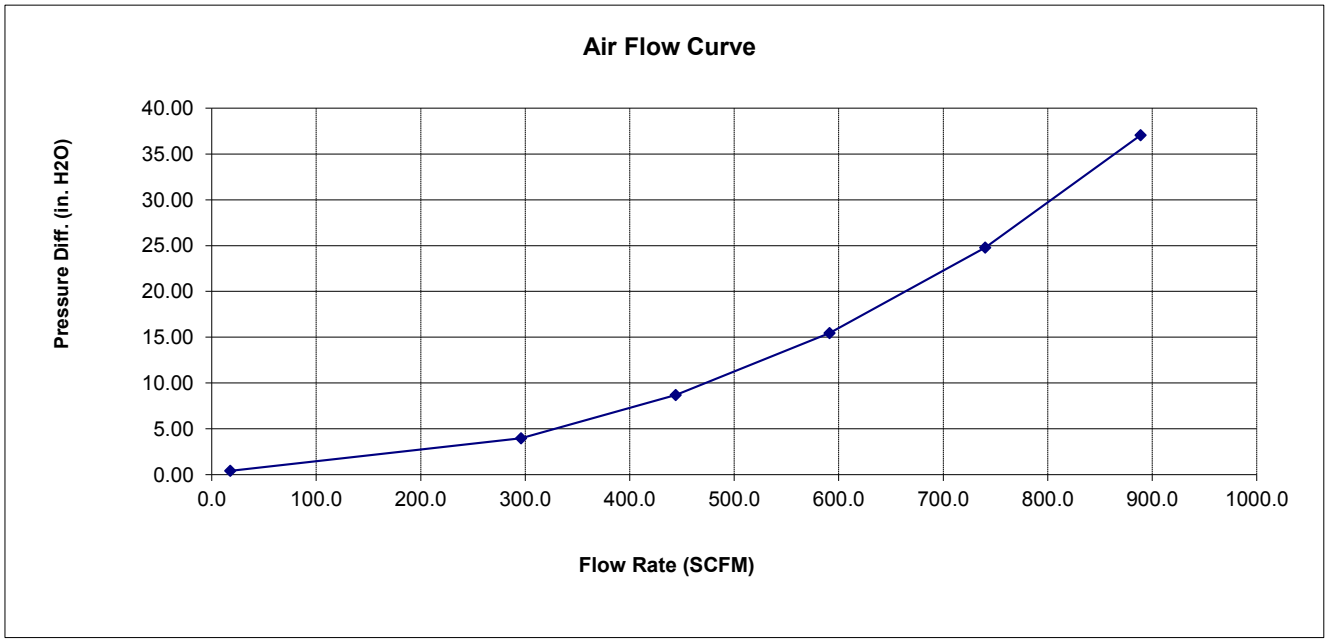
Test #: 458
Sample #: 6
Filter #: KF-1051D
Housing #: 75-5105
Date Code:

Operator: SD
Report Date: 8/10/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5105 PRODUCTION KIT, NO CCV, NO SENSOR, PLUG REMOVED, KF-1051D

Test Conditions

Barometric Pressure:	28.79376 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
18	0.42
296	3.98
444	8.69
591	15.46
740	24.80
889	37.06

Air Filter Restriction Test Report

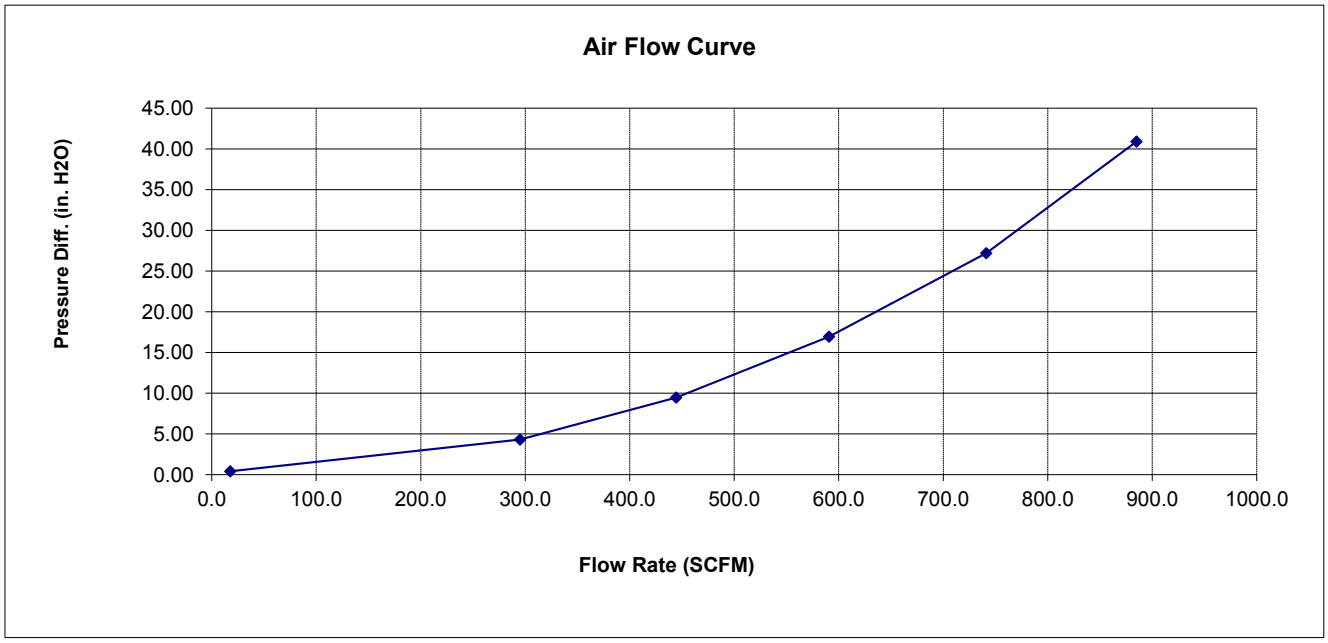
Test #: 458
Sample #: 7
Filter #: KF-1051D
Housing #: 75-5105
Date Code:

Operator: SD
Report Date: 8/10/2017
Filter Mfg.:
Housing Mfg.:

Test Description: 75-5105 PRODUCTION KIT, NO CCV, NO SENSOR, PLUG INSTALLED, KF-1051D

Test Conditions

Barometric Pressure:	28.79263 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
18	0.42
295	4.30
445	9.46
591	16.96
741	27.21
885	40.90


Filter #: FA-1886
FILTERS


CAUTION
2.75
RetiSAM


CAUTION
PINCH POINT