Automotive & Powersports

# THE FACTS ABOUT YOUR INTAKE & AIR

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

**Part Number:** 75-5062, 75-5062D
**Description:** Performance Intake Kit & Filter
**Vehicle Applications:** 1998-2003 Ford Powerstroke 7.3L

**Test Date:** 03/21/18
**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 53.66% 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 @ 631 cfm) |
|---|---|
| S&B Intake w/ Cleanable Filter | 53.66% |
| S&B Intake w/ Dry Filter | 51.43% |

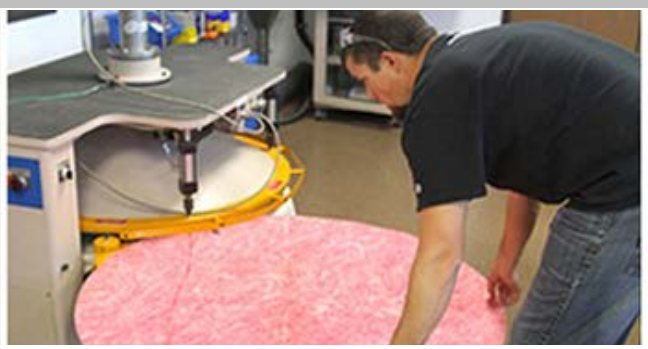
### TEST CONDITIONS

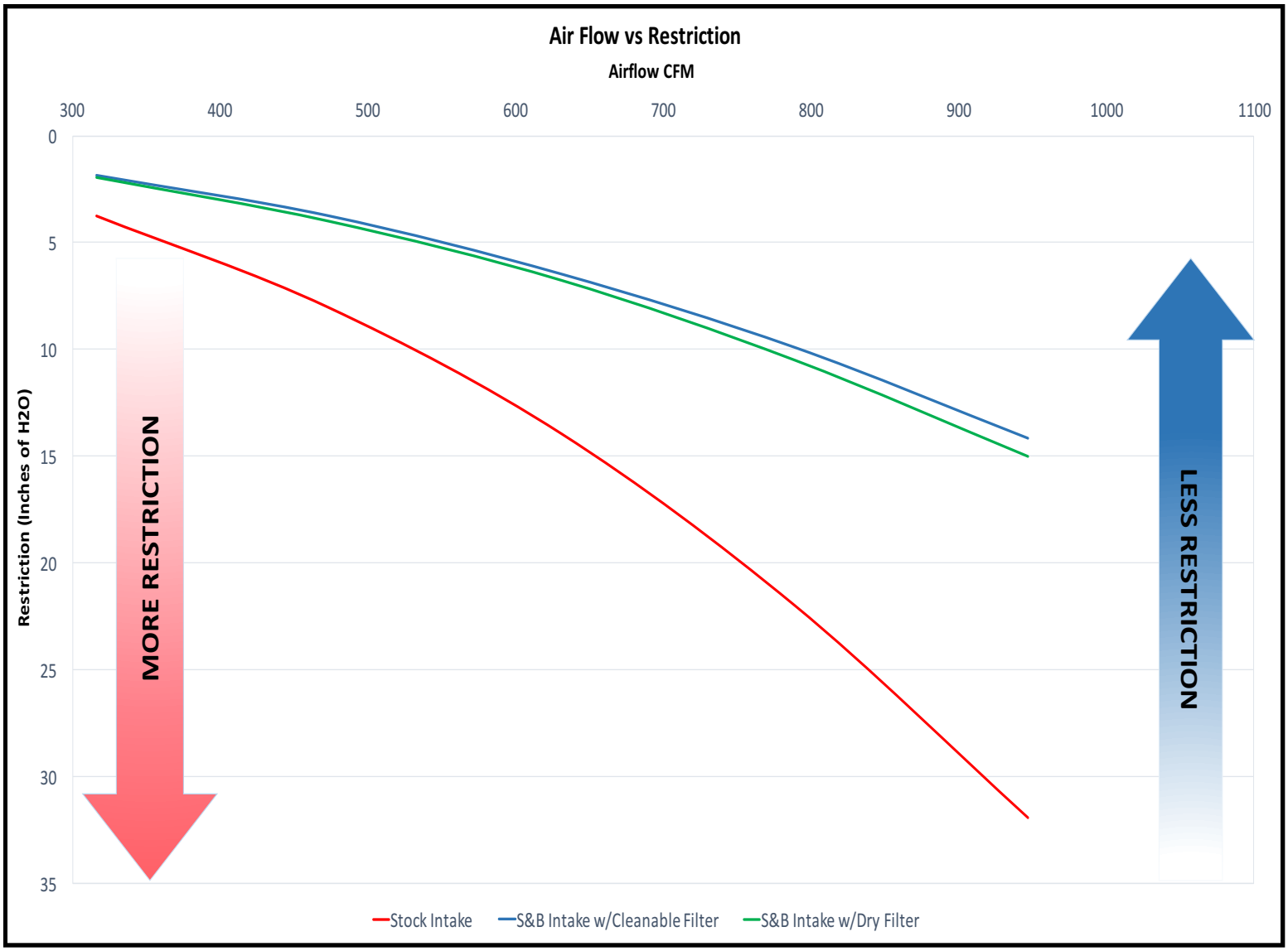
| | |
|---|---|
| Barometric Pressure | 28.98 |
| Airflow Setpoint | 631 cfm |
| Relative Humidity | 50 |
| Temperature | 70.2F |
| Type of Dust | ISO Coarse |
| Batch # | 13228C |
| Dust Feed Rate (grams/minute) | 17.87 |

**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 @ 631 cfm) |
|---|---|
| Stock | 99.67% |
| S&B Intake w/ Cleanable Filter | 99.37% |
| 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

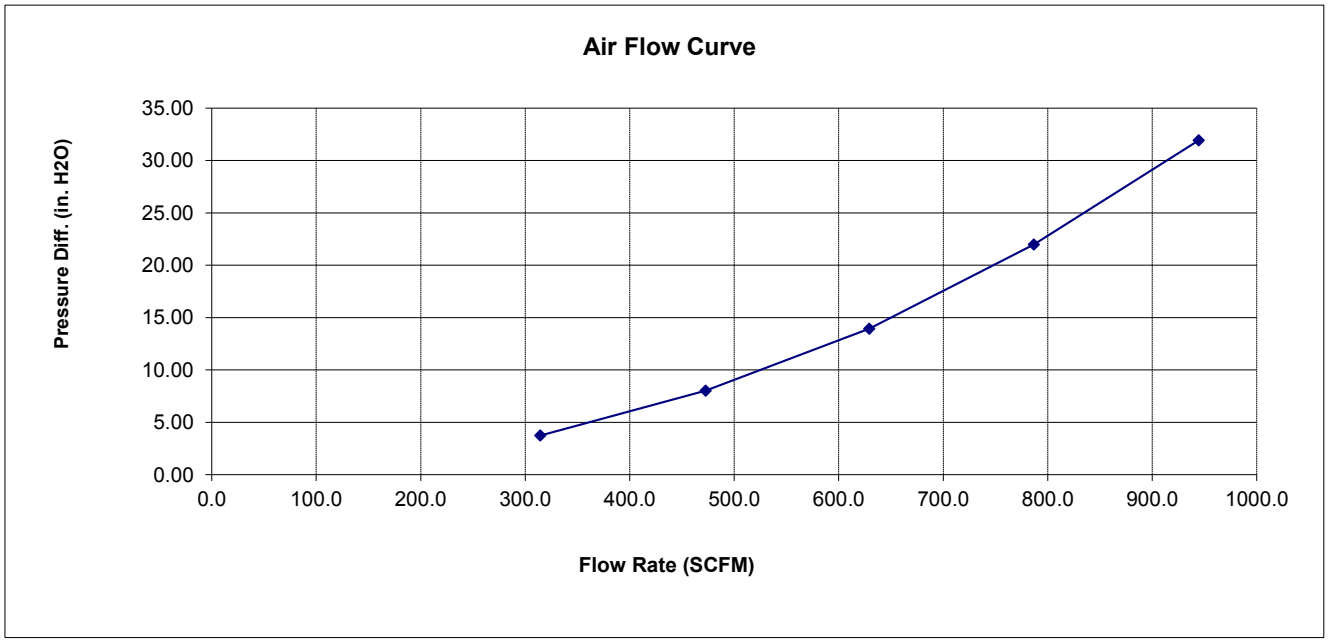
**Test #:** 399
**Sample #:** 1
**Filter #:** FA1680
**Housing #:**
**Date Code:**

**Operator:** SD
**Report Date:** 3/21/2017
**Filter Mfg.:**
**Housing Mfg.:**

**Test Description:** STOCK INTAKE AND FILTER, NO SENSORS, NO FILTER MINDER, MOTORCRAFT# FA1680

**Test Conditions**

| | | | |
|---|---|---|---|
| **Barometric Pressure:** | 28.95804 in. Hg | **Relative Humidity:** | 50 % |
| **Air Flow Type:** | SCFM | **Temperature:** | 65 deg. F |
| **Number of Pleats:** | | **Pleat Depth:** | in. |
| **Flow Direction:** | | | |




**Air Flow Curve Data**

| Flow Rate | Differential Pressure |
|---|---|
| 315 | 3.74 |
| 473 | 8.02 |
| 629 | 13.94 |
| 787 | 21.98 |
| 944 | 31.92 |

# Air Filter Restriction Test Report

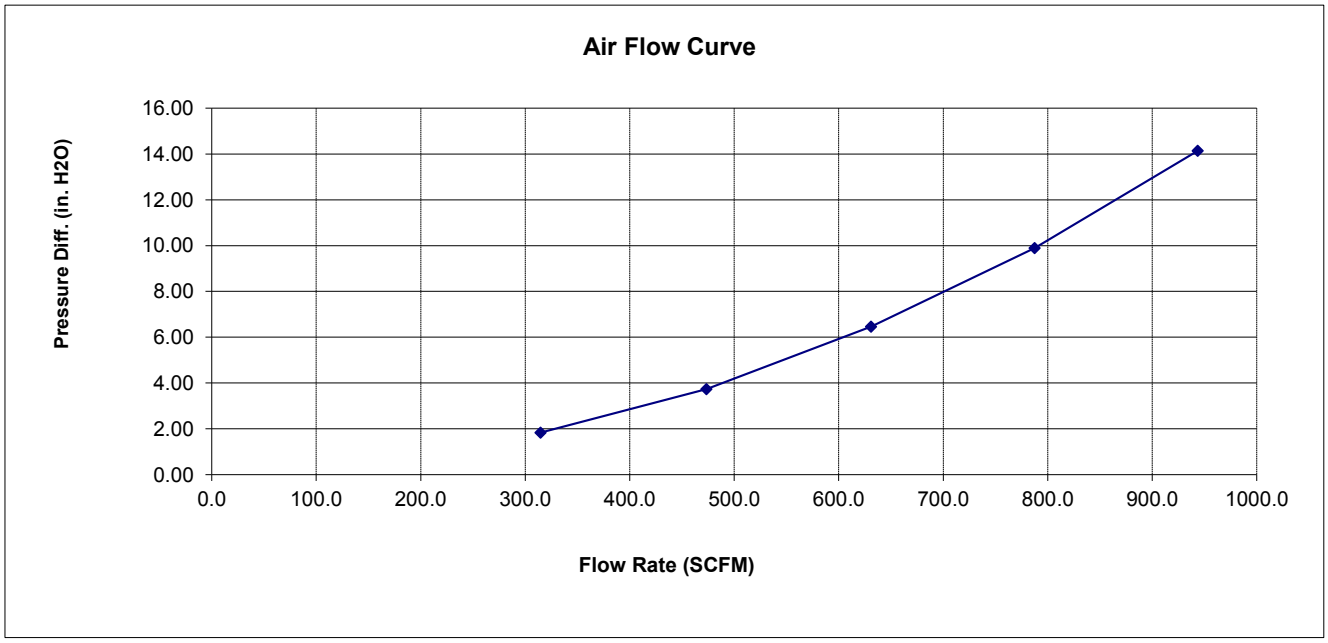
**Test #:** 399
**Sample #:** 3
**Filter #:** KF-1059
**Housing #:** 75-5062
**Date Code:**

**Operator:** SD
**Report Date:** 3/21/2017
**Filter Mfg.:**
**Housing Mfg.:**

**Test Description:** 75-5062 PRODUCTION KIT, NO SENSORS NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED KF-1059

**Test Conditions**

| | | | |
|---|---|---|---|
| **Barometric Pressure:** | 28.9595 in. Hg | **Relative Humidity:** | 47 % |
| **Air Flow Type:** | SCFM | **Temperature:** | 68 deg. F |
| **Number of Pleats:** | | **Pleat Depth:** | in. |
| **Flow Direction:** | | | |




**Air Flow Curve Data**

| Flow Rate | Differential Pressure |
|---|---|
| 315 | 1.84 |
| 474 | 3.73 |
| 631 | 6.46 |
| 788 | 9.89 |
| 944 | 14.14 |

# Air Filter Restriction Test Report

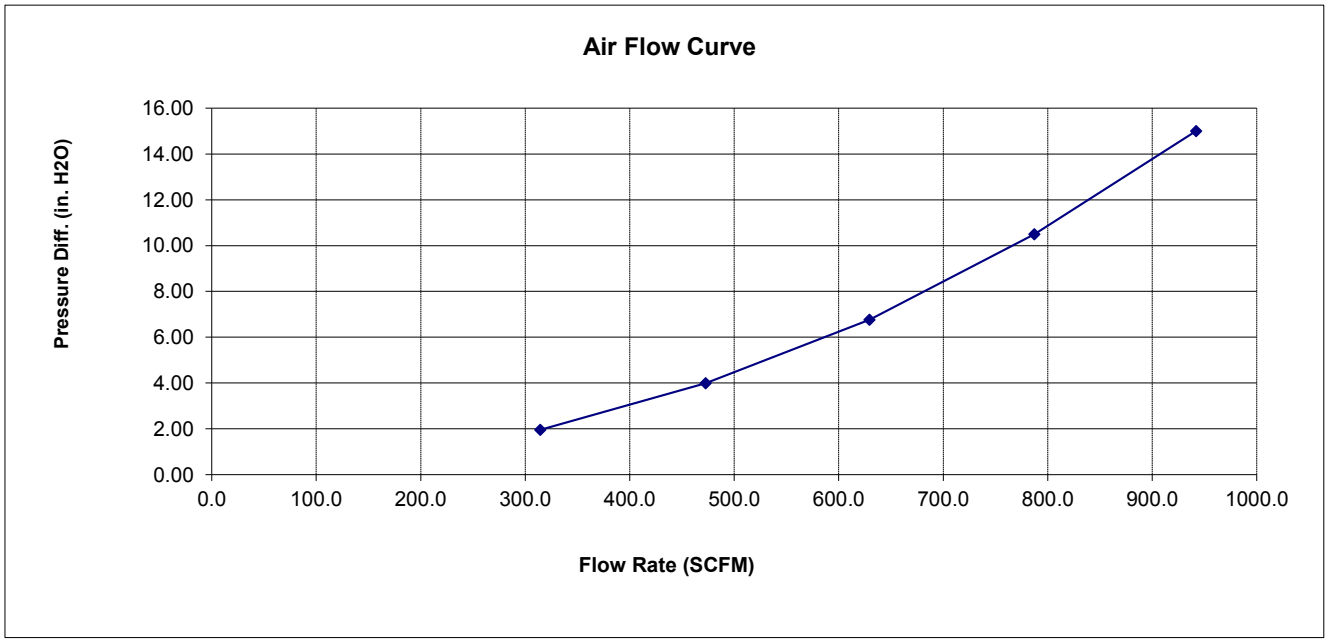
**Test #:** 339
**Sample #:** 4
**Filter #:** KF-1059
**Housing #:** 75-5062
**Date Code:**

**Operator:** SD
**Report Date:** 3/21/2017
**Filter Mfg.:**
**Housing Mfg.:**

**Test Description:** 75-5062 PRODUCTION KIT, NO SENSORS, NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED KF-1059D

**Test Conditions**

| | | | |
|---|---|---|---|
| **Barometric Pressure:** | 28.96146 in. Hg | **Relative Humidity:** | 48 % |
| **Air Flow Type:** | SCFM | **Temperature:** | 68 deg. F |
| **Number of Pleats:** | | **Pleat Depth:** | in. |
| **Flow Direction:** | | | |




**Air Flow Curve Data**

| Flow Rate | Differential Pressure |
|---|---|
| 314 | 1.96 |
| 473 | 4.00 |
| 630 | 6.77 |
| 787 | 10.50 |
| 942 | 15.00 |

# Air Filter Full Life Efficiency Test Report

**Test #:** 399
**Sample #:** 2
**Filter #:** FA1680
**Housing #:**
**Date Code:**

**Operator:** SD
**Report Date:** 3/21/2017
**Filter Mfg.:**
**Housing Mfg.:**

**Test Description:** STOCK INTAKE AND FILTER, NO SENSORS, NO FILTER MINDER, MOTORCRAFT# FA1680

## Test Conditions

| | | | |
|---|---|---|---|
| **Barometric Pressure:** | 28.960 in. Hg | **Relative Humidity:** | 48 % |
| **Air Flow Setpoint:** | 631 SCFM | **Type of Dust:** | A4 COARSE |
| **Test Procedure:** | | **Batch #:** | 13228C |
| **Air Flow Type:** | SCFM | **Temperature:** | 67 deg. F |
| **Test Endpoint:** | 10 in. H2O | **Initial Add Rate:** | NaN g/min |
| **Number of Pleats:** | | **Accumulative Add Rate:** | 17.87 g/min |
| **Flow Direction:** | | **Pleat Depth:** | in. |

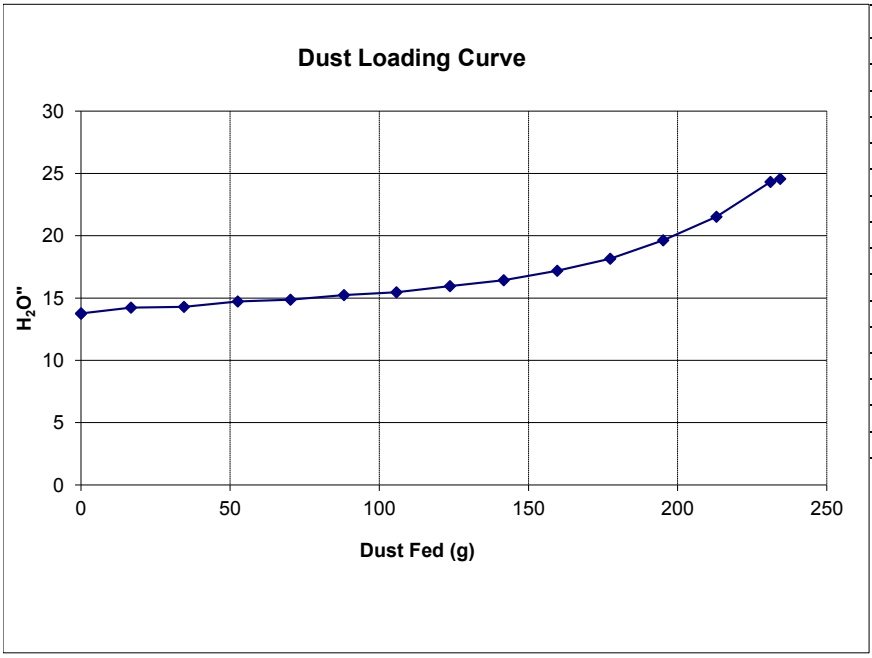
## Test Results

**Initial Delta P** 13.88 in. H2O

**Accumulative Capacity:** 233.50 g
**Test Time:** 13.06 min

| | Initial | | Accumulative | |
|---|---|---|---|---|
| | | Blanket | | Blanket |
| Start | | | 5598.60 | 175.20 |
| End | | | 5832.10 | 175.97 |
| Gain | | | 233.50 | 0.77 |
| Efficiency | | | 99.67% | |

◉ Standard Restriction
○ Pressure Differential




| Dust Loading Curve Data | |
|---|---|
| **Dust Fed (g)** | **Pressure ("H2O)** |
| 0 | 13.764 |
| 16.772 | 14.232 |
| 34.556 | 14.298 |
| 52.582 | 14.716 |
| 70.195 | 14.864 |
| 88.166 | 15.234 |
| 105.764 | 15.468 |
| 123.671 | 15.962 |
| 141.683 | 16.424 |
| 159.63 | 17.184 |
| 177.439 | 18.162 |
| 195.211 | 19.643 |
| 213.045 | 21.517 |
| 231.095 | 24.318 |
| 234.401 | 24.566 |

# Air Filter Full Life Efficiency Test Report

**Test #:** 399
**Sample #:** 5
**Filter #:** KF-1059
**Housing #:** 75-5062
**Date Code:**

**Operator:** SD
**Report Date:** 3/21/2017
**Filter Mfg.:**
**Housing Mfg.:**

**Test Description:** 75-5062 PRODUCTION KIT, NO SENSORS, NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED KF-1059

## Test Conditions

| | | | |
|---|---|---|---|
| **Barometric Pressure:** | 28.967 in. Hg | **Relative Humidity:** | 47 % |
| **Air Flow Setpoint:** | 631 SCFM | **Type of Dust:** | A4 COARSE |
| **Test Procedure:** | | **Batch #:** | 13228C |
| **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:** | 17.87 g/min |
| **Flow Direction:** | | **Pleat Depth:** | in. |

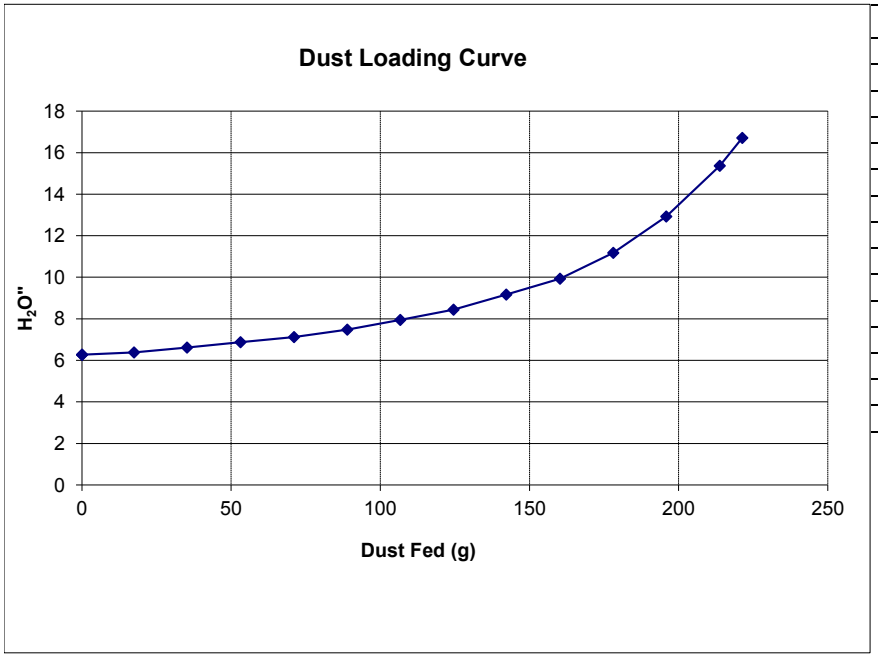
## Test Results

**Initial Delta P** 6.40 in. H2O

**Accumulative Capacity:** 220.40 g
**Test Time:** 12.44 min

| | Initial | | Accumulative | |
|---|---|---|---|---|
| | | Blanket | | Blanket |
| Start | | | 6403.30 | 135.95 |
| End | | | 6623.70 | 137.35 |
| Gain | | | 220.40 | 1.40 |
| Efficiency | | | 99.37% | |

(•) Standard Restriction
( ) Pressure Differential




| Dust Loading Curve Data | |
|---|---|
| **Dust Fed (g)** | **Pressure ("H2O)** |
| 0 | 6.272 |
| 17.45 | 6.387 |
| 35.176 | 6.616 |
| 53.19 | 6.87 |
| 71.054 | 7.121 |
| 88.894 | 7.481 |
| 106.683 | 7.944 |
| 124.51 | 8.442 |
| 142.267 | 9.162 |
| 160.25 | 9.932 |
| 178.098 | 11.175 |
| 195.829 | 12.925 |
| 213.784 | 15.373 |
| 221.338 | 16.711 |

# Air Filter Full Life Efficiency Test Report

**Test #:** 399
**Sample #:** 6
**Filter #:** KF-1059D
**Housing #:** 75-5062
**Date Code:**

**Operator:** SD
**Report Date:** 3/21/2017
**Filter Mfg.:**
**Housing Mfg.:**

**Test Description:** 75-5062 PRODUCTION KIT, NO SENSORS, NO FILTER MINDER, LID INSTALLED, FENDER SEAL INSTALLED KF-1059D

## Test Conditions

| | | | |
|---|---|---|---|
| **Barometric Pressure:** | 28.935 in. Hg | **Relative Humidity:** | 47 % |
| **Air Flow Setpoint:** | 631 SCFM | **Type of Dust:** | A4 COARSE |
| **Test Procedure:** | | **Batch #:** | 13228C |
| **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:** | 17.87 g/min |
| **Flow Direction:** | | **Pleat Depth:** | in. |

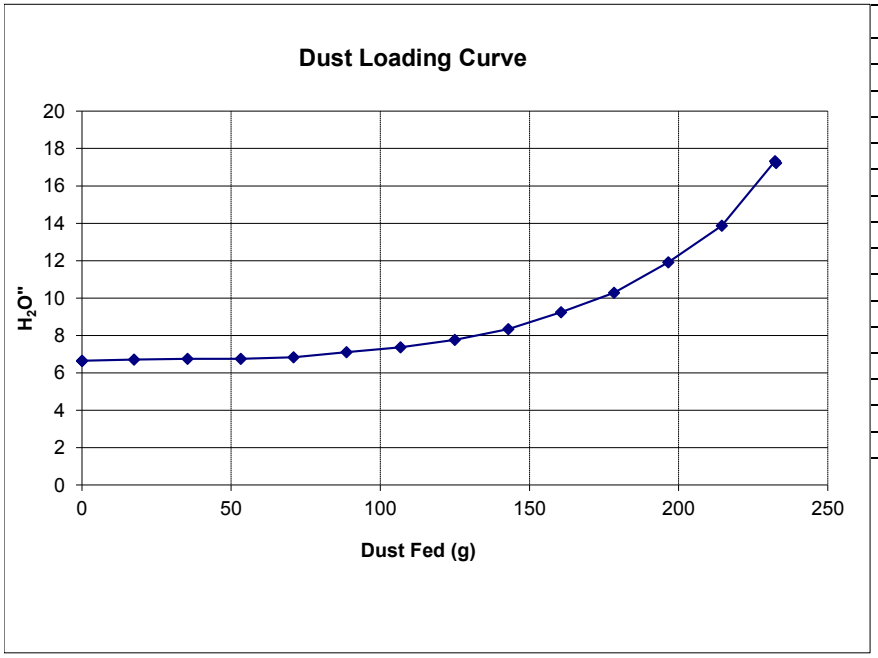
## Test Results

**Initial Delta P** 6.72 in. H2O

**Accumulative Capacity:** 232.00 g
**Test Time:** 13.06 min

| | Initial | | Accumulative | |
|---|---|---|---|---|
| | | Blanket | | Blanket |
| Start | | | 6363.60 | 137.35 |
| End | | | 6595.60 | 138.10 |
| Gain | | | 232.00 | 0.75 |
| Efficiency | | | 99.68% | |

(•) Standard Restriction
( ) Pressure Differential




| Dust Loading Curve Data | |
|---|---|
| **Dust Fed (g)** | **Pressure ("H2O)** |
| 0 | 6.646 |
| 17.487 | 6.708 |
| 35.347 | 6.749 |
| 53.224 | 6.754 |
| 70.915 | 6.835 |
| 88.66 | 7.109 |
| 106.785 | 7.361 |
| 124.981 | 7.758 |
| 142.89 | 8.338 |
| 160.586 | 9.237 |
| 178.361 | 10.278 |
| 196.556 | 11.907 |
| 214.509 | 13.864 |
| 232.354 | 17.326 |
| 232.715 | 17.229 |

A WARNING
A DANGER/POISON
75-230
66-248D
99-03 FORD 73L DSL


DANGER
PELIGRO


DANGER
PELIGRO


PELIGRO