



Automotive & Powersports **THE FACTS ABOUT YOUR INTAKE & AIR**

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

Part Number: 76-1007-1
Description: Performance Intake Elbow
Vehicle Applications: 1998-2002 Dodge Ram 2500 3500 5.9L Diesel

Test Date: 06/13/17
Test Report #: 1, 3, 4, 5, 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 43.61% Better than Stock

In tests performed in our climate controlled laboratory according to the ISO5011 Test Standard, S&B's Intake Elbow had significantly lower restriction (better airflow) than the stock intake elbow and competitors. See the graph on the next page.

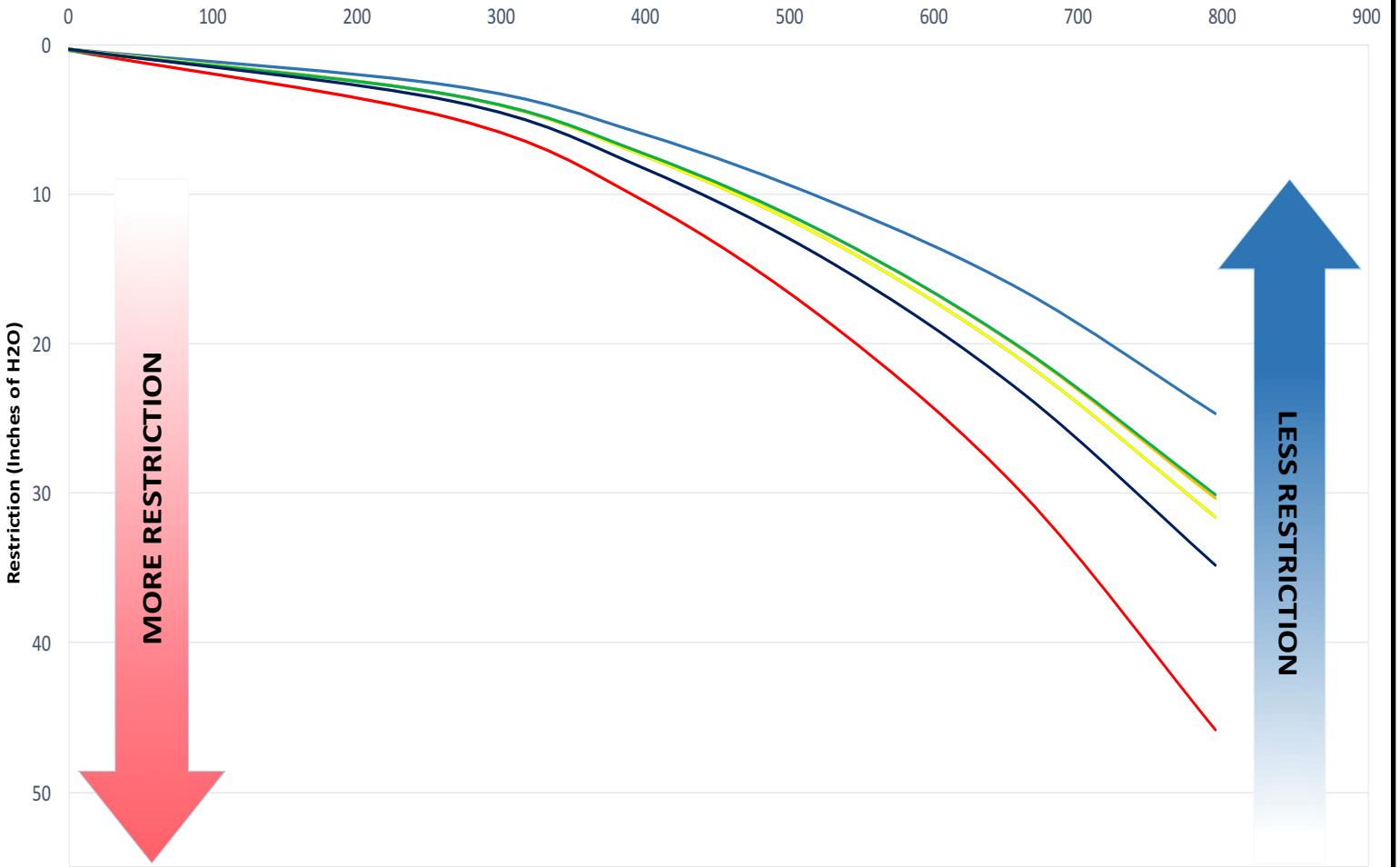
Part Number	Company	% Flowed Better than Stock (tested @ 529 cfm)
76-1007-1	S&B Filters	43.61%
1041550	BD Diesel	29.50%
46-10021	AFE	31.63%
INT-D-98-01	ATS	31.68%
42721	Banks Power	21.88%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	529 cfm
Relative Humidity	50
Temperature	70.2F

Air Flow vs Restriction

Airflow CFM



MORE RESTRICTION

LESS RESTRICTION

— Stock Intake Elbow — 1041550 (BD Diesel) — 76-1007-1 (S&B Filters) — 1041550 (BD Diesel) — 46-10021 (AFE) — INT-D-98-01 (ATS) — 42721 (BANKS POWER)

Air Filter Restriction Test Report

Test #: 409
Sample #: 1
Filter #:
Housing #:
Date Code:

Operator: SD
Report Date: 6/13/2017
Filter Mfg.:
Housing Mfg.:



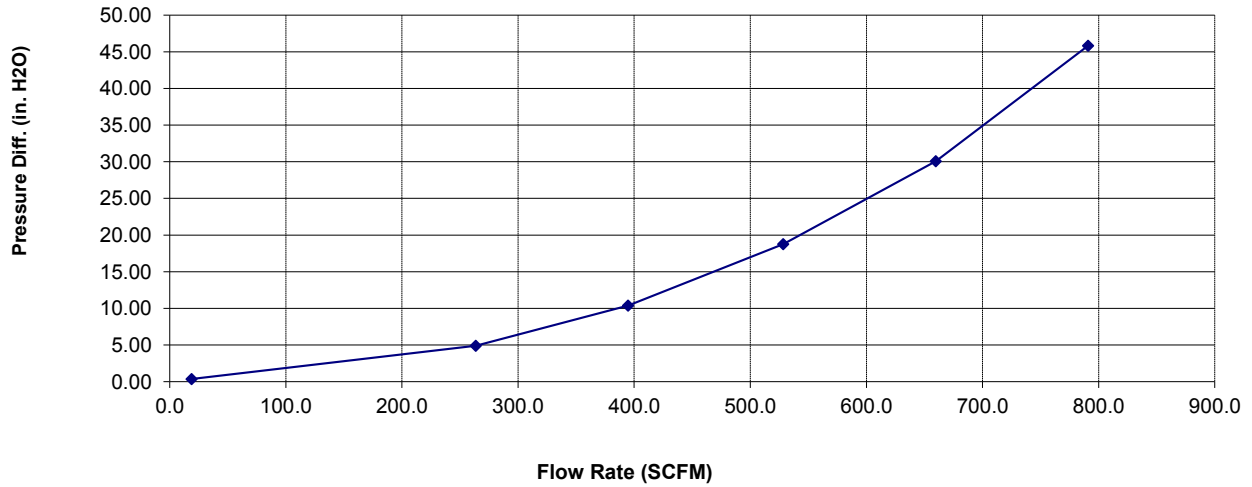
Test Description: STOCK INTAKE ELBOW 3937213, STOCK HEATER GRID, STOCK COUPLER, STOCK BOOST TUBE W/VENTURI

Test Conditions

Barometric Pressure: 28.92375 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 52 %
Temperature: 66 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
19	0.37
264	4.91
395	10.38
528	18.78
660	30.09
791	45.84

Air Filter Restriction Test Report

Test #: 409
Sample #: 3
Filter #:
Housing #:
Date Code:

Operator: SD
Report Date: 6/13/2017
Filter Mfg.:
Housing Mfg.:



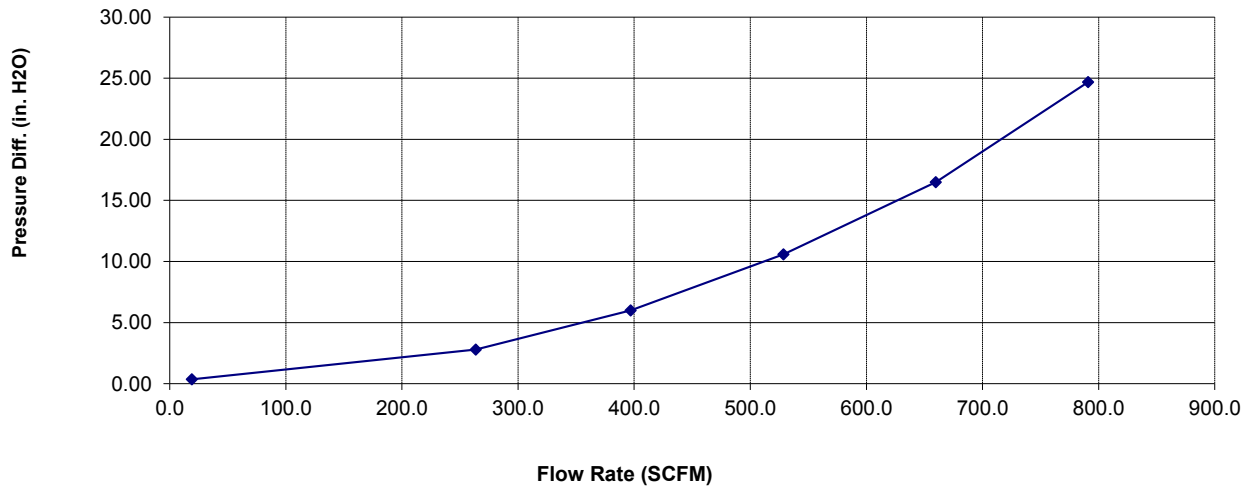
Test Description: S&B FILTERS 76-1007-1, STOCK HEATER GRID, S&B COUPLER, STOCK BOOST TUBE WITH VENTURI

Test Conditions

Barometric Pressure: 28.93264 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 47 %
Temperature: 69 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
19	0.35
264	2.79
397	5.99
529	10.59
660	16.50
791	24.69

Air Filter Restriction Test Report

Test #: 409
Sample #: 4
Filter #:
Housing #:
Date Code:

Operator: SD
Report Date: 6/13/2017
Filter Mfg.:
Housing Mfg.:



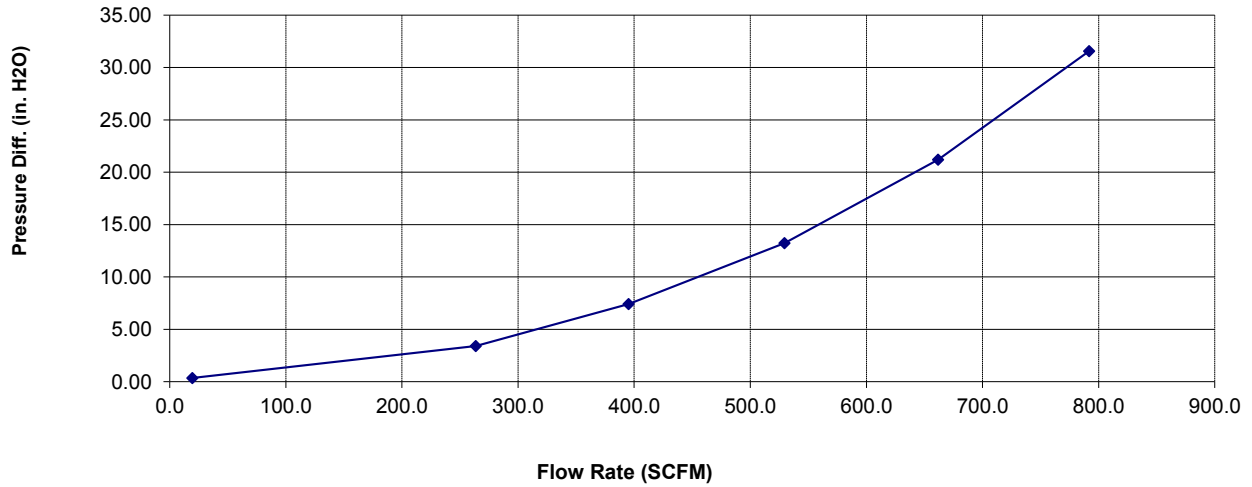
Test Description: BD DIESEL 1041550, STOCK HEATER GRID, STOCK COUPLER, STOCK BOOST TUBE WITH VENTURI

Test Conditions

Barometric Pressure: 28.96375 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 48 %
Temperature: 69 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
20	0.35
264	3.42
395	7.41
529	13.24
662	21.20
792	31.58

Air Filter Restriction Test Report

Test #: 409
Sample #: 5
Filter #:
Housing #:
Date Code:

Operator:
Report Date: 6/13/2017
Filter Mfg.:
Housing Mfg.:



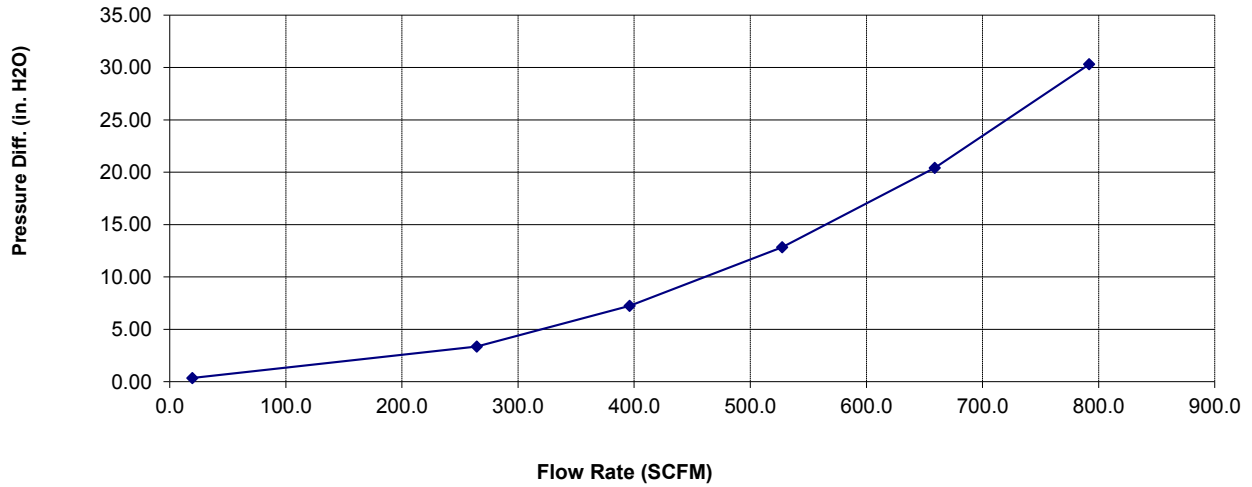
Test Description: AFE 46-10021, STOCK HEATER GRID, STOCK COUPLER, STOCK BOOST TUBE WITH VENTURI

Test Conditions

Barometric Pressure: 28.95112 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 48 %
Temperature: 69 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
20	0.36
264	3.35
396	7.24
528	12.84
659	20.42
792	30.31

Air Filter Restriction Test Report

Test #: 409
Sample #: 6
Filter #:
Housing #:
Date Code:

Operator: SD
Report Date: 6/13/2017
Filter Mfg.:
Housing Mfg.:



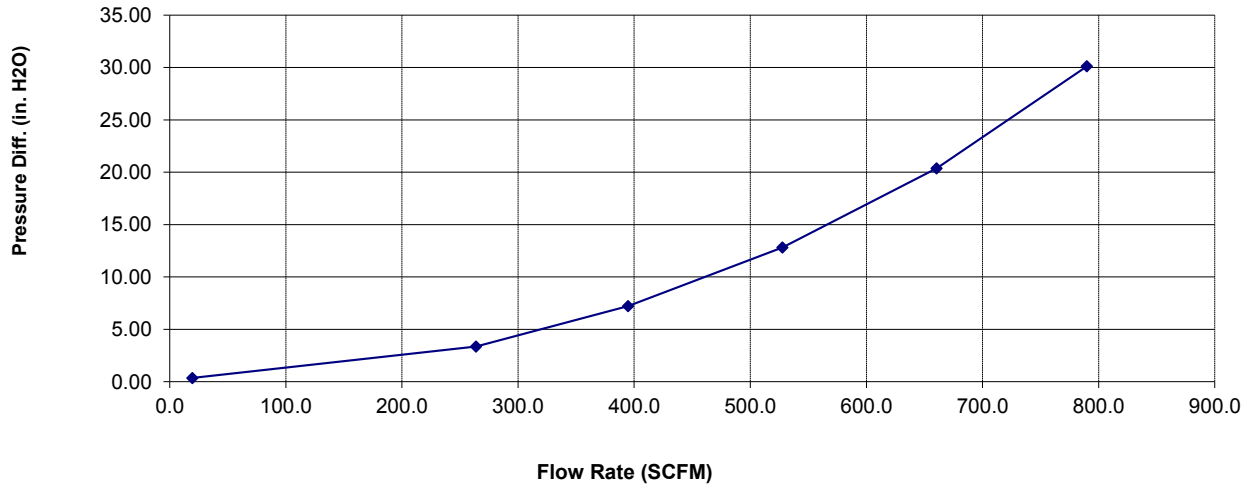
Test Description: ATS INT-D-98-01, STOCK HEATER GRID, STOCK COUPLER, STOCK BOOST TUBE WITH VENTURI

Test Conditions

Barometric Pressure: 28.88936 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 48 %
Temperature: 69 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
20	0.36
264	3.35
395	7.23
528	12.83
660	20.38
790	30.12

Air Filter Restriction Test Report

Test #: 409
Sample #: 7
Filter #:
Housing #:
Date Code:

Operator: SD
Report Date: 6/13/2017
Filter Mfg.:
Housing Mfg.:



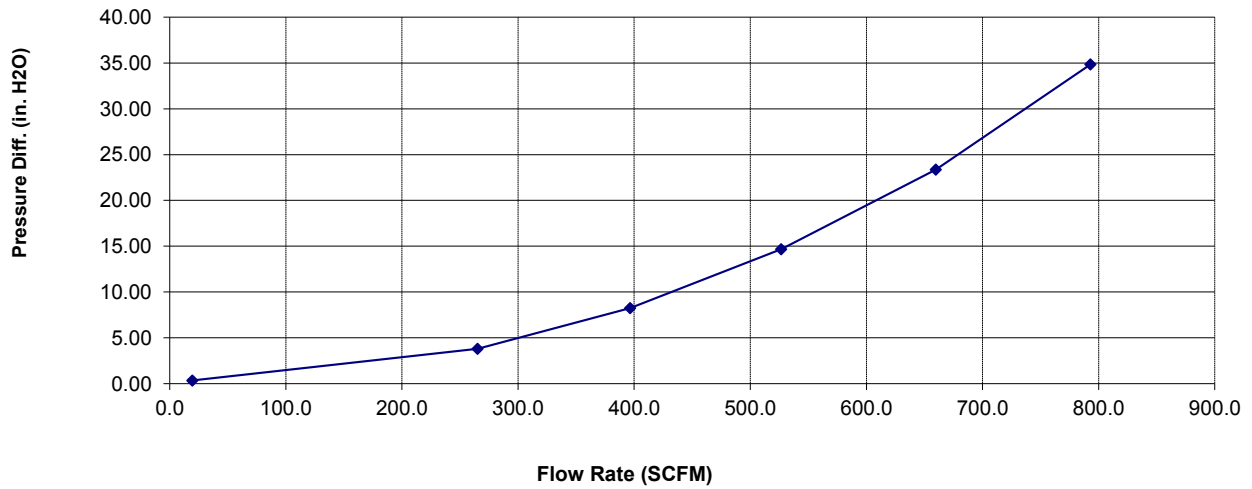
Test Description: BANKS POWER 42721, STOCK HEATER GRID, STOCK COUPLER, STOCK BOOST TUBE WITH VENTURI

Test Conditions

Barometric Pressure: 28.88346 in. Hg
Air Flow Type: SCFM
Number of Pleats:
Flow Direction:

Relative Humidity: 48 %
Temperature: 68 deg. F
Pleat Depth: in.

Air Flow Curve



Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
20	0.35
265	3.82
396	8.26
527	14.67
660	23.37
793	34.84







⚠️ DANGER
⚠️ PELIGRO

aFe

MS
100mm







banks HIGH-RAM

DANGER
PELIGRO