



Port Flow Analyzer v3.0 Performance World  
 Test: PW SBC 65195 [www.performance-world.com](http://www.performance-world.com)  
 Folder: Chevrolet Page: 1

Head #: Bore Adapter Diameter: 4.00"  
 Customer: Int Port Adapter: Radiused Inlet  
 Operator: Exh Port Adapter: Short "stub stack"

Test Comments:  
 PW 65195 SB Chevrolet aluminum head as cast. Note:

Report of:	Int:	Exh:	Tested at	Corr to	# Vlvs	Vlv Dia	Stem Dia	Port Area
Comparing			28"	28.0"	1	2.08"	8mm	0.00 sq in
1 Cylinders			28"	28.0"	1	1.60"	8mm	0.00 sq in

Port	Lift	L/D	Avg CFM	Cyl 1 CFM
Intake	0.100	0.050	83.2	83.2
Intake	0.200	0.099	126.1	126.1
Intake	0.300	0.149	185.8	185.8
Intake	0.400	0.198	234.1	234.1
Intake	0.500	0.248	269.3	269.3
Intake	0.600	0.297	261.1	261.1
Intake	0.700	0.347	264.1	264.1
Exhaust	0.100	0.063	62.6	62.6
Exhaust	0.200	0.125	118.8	118.8
Exhaust	0.300	0.188	141.6	141.6
Exhaust	0.400	0.250	158.1	158.1
Exhaust	0.500	0.313	166.6	166.6
Exhaust	0.600	0.375	178.1	178.1
Exhaust	0.700	0.438	186.2	186.2

**NOTE: ALL FLOWBENCHES ARE NOT CREATED EQUAL!**  
**Data from one bench to the next can be vastly different.**  
**If you are modifying this head, it is important to "baseline" first to ensure accuracy.**  
**The data on this sheet is for reference only.**

Head File: 65195  
 Head Comments:  
 PW 65195 SB Chevrolet aluminum head as cast.

Head Number	Customer
Intake	Exhaust
Layout: 1 valve & 1 port	Layout: 1 valve & 1 port
Valve Diameter, in 2.08"	Valve Diameter, in 1.60"
Stem Diameter, in 8mm	Stem Diameter, in 8mm
Throat Diameter, in	Throat Diameter, in
Avg Seat Angle, deg 45	Avg Seat Angle, deg 45
Port Shape: Rectangular	Port Shape: D
Port Volume, ccs 196cc	Port Volume, ccs 68cc
Avg Port Diameter, in	Avg Port Diameter, in
Avg Port Height, in	Avg Port Height, in
Port Length, in	Port Length, in

**Specifications 65195**

Material	A356 Aluminum
Combustion Chamber CC	65cc
Intake Port Volume CC	196cc
Intake Port Dimension	2.20" x 1.25"
Exhaust Port Volume CC	68cc
Exhaust Port Dimension	1.45"H x 1.55"W .100" Raised
Spark Plug Location	Angle
Intake Valve Diameter	2.08"
Exhaust Valve Diameter	1.60"
Valve Stem Diameter	8mm (.313")
Valve Spring Pocket I.D.	1.50"
Valve Guide Material	Manganese Bronze
Valve Guide O.D.	0.502" (.560" at base)
Rocker Stud Thread Size	7/16"x14
Valve Cover Mounting	Perimeter
Valve Angle	23 Degree
Valve Seat Machining	Intake=4-Angle Exhaust=3-Angle
Oiling	Through Pushrod

**Suggested Components**

	<b>Size</b>	<b>Brand</b>
Intake Valves	2.08" x 4.90" x 8mm	PW 360041
Exhaust Valves	1.60" x 4.95" x 8mm	PW 360046
Valve Seals	8mm x .502" Viton	PW 360488
Head Gaskets		Fel-Pro 1003
Intake Gasket		Fel-Pro 1206
Exhaust Gasket		Fel-Pro 1405
Head Bolts		ARP 134-3601/134-3701
Head Studs		ARP 134-4001/234-4301
Pushrod Guide Plates	5/16" Flat	PW 360200
Spark Plugs		Autolite 3923 or equivalent