



Port Flow Analyzer v3.0 Performance World  
 Test: PW SBC 64200 [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 64200 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	2.02"	.341"	0.00 sq in
1 Cylinders			28"	28.0"	1	1.60"	.341"	0.00 sq in

Port	Lift	L/D	Avg CFM	Cyl 1 CFM
Intake	0.100	0.050	63.4	63.4
Intake	0.200	0.099	122.8	122.8
Intake	0.300	0.149	178.0	178.0
Intake	0.400	0.198	226.4	226.4
Intake	0.500	0.248	259.8	259.8
Intake	0.600	0.297	260.9	260.9
Intake	0.700	0.347	261.2	261.2
Exhaust	0.100	0.063	50.3	50.3
Exhaust	0.200	0.125	100.6	100.6
Exhaust	0.300	0.188	140.2	140.2
Exhaust	0.400	0.250	155.8	155.8
Exhaust	0.500	0.313	161.0	161.0
Exhaust	0.600	0.375	163.4	163.4
Exhaust	0.700	0.438	164.6	164.6

**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: 64200  
 Head Comments:  
 PW 64200 SB Chevrolet aluminum head as cast.

Head Number	Customer
Intake	Exhaust
Layout: 1 valve & 1 port	Layout: 1 valve & 1 port
Valve Diameter, in 2.02"	Valve Diameter, in 1.60"
Stem Diameter, in .341"	Stem Diameter, in .341"
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 204cc	Port Volume, ccs 70cc
Avg Port Diameter, in	Avg Port Diameter, in
Avg Port Height, in	Avg Port Height, in
Port Length, in	Port Length, in

**Specifications 64200**

Material	A356 Aluminum
Combustion Chamber CC	67cc
Intake Port Volume CC	204cc
Intake Port Dimension	2.22"x1.31"
Exhaust Port Volume CC	70cc
Exhaust Port Design	D Shape
Spark Plug Location	Straight
Intake Valve Diameter	2.02"
Exhaust Valve Diameter	1.60"
Valve Stem Diameter	11/32" (.343")
Valve Spring Pocket I.D.	1.49"
Valve Guide Material	Manganese Bronze
Valve Guide O.D.	0.530" (.570" at base)
Rocker Stud Thread Size	7/16"x14
Valve Cover Mounting	Perimeter & Centerbolt
Valve Angle	23 Degree
Valve Seat Machining	Intake=4-Angle Exhaust=3-Angle
Oiling	Through Pushrod

**Hyd Flat Tappet (up to .525" lift) (Check Cam Manufacturer Recommendation)**

<b>Suggested Components</b>	<b>Size</b>	<b>Brand</b>
Intake Valves	2.02" x 4.91" x 11/32"	PW 360020
Exhaust Valves	1.60" x 4.91" x 11/32"	PW 360016
Valve Spring Spec	1.26" Single w/damper	PEP 053-574-700 (16pcs)
Valve Retainers	7-Degree 11/32"	Manley 23651-1 (16pcs)
Valve Locks	7-Degree 11/32"	PW 360410
Valve Seals	11/32" x .530"	PW 360480
Valve Spring Cups		PW 360112
Rocker Arm Studs	7/16"-14 x 3/8"-24	PW 360338
Pushrod Guide Plates	5/16" Flat	PW 360200
Spark Plugs	Autolite 3924 or Equivalent	