



Port Flow Analyzer v3.0 Performance World  
 Test: PW SBC 64200-CNC [www.performance-world.com](http://www.performance-world.com)  
 Folder: Chevrolet Page: 1

Head #: 64200-CNC 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 with 5 axis CNC ported bowls and short turns

Report of:	Tested at	Corr to	# Vlvs	Vlv Dia	Stem Dia	Port Area
Comparing	28"	28.0"	1	2.02"	.341"	2.58 sq in
1 Cylinders	Exh: 28"	28.0"	1	1.60"	.341"	1.22 sq in

Port	Lift	L/D	Avg CFM	Cyl 1 CFM
Intake	0.100	0.050	60.2	60.2
Intake	0.200	0.099	122.5	122.5
Intake	0.300	0.149	178.9	178.9
Intake	0.400	0.198	228.3	228.3
Intake	0.500	0.248	253.9	253.9
Intake	0.600	0.297	273.9	273.9
Intake	0.700	0.347	283.0	283.0
Exhaust	0.100	0.063	48.7	48.7
Exhaust	0.200	0.125	95.7	95.7
Exhaust	0.300	0.188	141.8	141.8
Exhaust	0.400	0.250	175.6	175.6
Exhaust	0.500	0.313	196.1	196.1
Exhaust	0.600	0.375	211.2	211.2
Exhaust	0.700	0.438	219.5	219.5

**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-CNC  
 Head Comments:  
 PW 64200 SB Chevrolet aluminum head with 5 axis CNC ported bowls and short turns

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 1.31	Avg Port Diameter, in 1.246
Avg Port Height, in 1.966	Avg Port Height, in
Port Length, in 4.75	Port Length, in 2.5

**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	