



Head #: Bore Adapter Diameter: 4.065 "  
 Customer: GPI Int Port Adapter: Clay  
 Operator: Justin Exh Port Adapter: None (no adapter)

Test Comments:  
 BTR Canted Valve Cathedral Production, No Valve Job Blend  
 2.125/1.590 OE GenV LT1 Valves (Out of box) Flowed on 4.065" Bore, w/ 41-128 Plug  
 Venturi 1.900 Int / 1.410 Clay Entry/No Pipe

Report of:	Test Time	Tested at	Corr to	# Vlvs	Vlv Dia	Stem Dia	Port Area
All 1	11:38 am	Int: 28"	28.0"	1	2.125"	.313"	2.77 sq in
Cylinders	03/06/2026	Exh: 28"	28.0"	1	1.59"	.313"	1.46 sq in

Port	Lift	L/D	Corr CFM	VlvArea sq.in	CFM / sq.in	FlwArea sq.in	Flow Coef.	Swirl	Valve Velocity	Port Velocity	Vel #1	% Exh/Int
Int #3	.250	.118	183.7	1.669	110.06	1.260	.755	0	264.1	159.0	321.60	
Int #3	.300	.141	224.0	2.003	111.85	1.537	.767	0	268.4	193.9	332.72	
Int #3	.350	.165	259.8	2.337	111.21	1.783	.763	0	266.9	224.9	348.67	
Int #3	.400	.188	291.2	2.670	109.05	1.998	.748	0	261.7	252.0	341.81	
Int #3	.450	.212	313.6	3.004	104.39	2.152	.716	0	250.5	271.4	341.81	
Int #3	.500	.235	328.8	3.338	98.51	2.256	.676	0	236.4	284.6	339.04	
Int #3	.550	.259	341.4	3.470	98.39	2.342	.675	0	236.1	295.5	344.24	
Int #3	.600	.282	348.5	3.470	100.46	2.391	.689	0	241.1	301.7	342.77	
Int #3	.650	.306	353.9	3.470	102.01	2.428	.700	0	244.8	306.3	348.98	
Int #3	.700	.329	358.4	3.470	103.30	2.459	.709	0	247.9	310.2	343.47	
Exh #3	.250	.157	132.7	1.249	106.28	.911	.729	0	255.1	217.7	99.08	72.3
Exh #3	.300	.189	148.5	1.499	99.11	1.019	.680	0	237.9	243.6	109.18	66.3
Exh #3	.350	.220	170.6	1.748	97.60	1.171	.670	0	234.2	279.9	113.89	65.7
Exh #3	.400	.252	188.0	1.909	98.51	1.290	.676	0	236.4	308.4	101.70	64.6
Exh #3	.450	.283	203.8	1.909	106.79	1.398	.733	0	256.3	334.3	108.17	65.0
Exh #3	.500	.314	213.3	1.909	111.76	1.464	.767	0	268.2	349.8	105.92	64.9
Exh #3	.550	.346	221.2	1.909	115.89	1.518	.795	0	278.1	362.8	114.09	64.8
Exh #3	.600	.377	227.5	1.909	119.21	1.561	.818	0	286.1	373.1	111.56	65.3
Exh #3	.650	.409	232.6	1.909	121.86	1.596	.836	0	292.5	381.4	115.99	65.7
Exh #3	.700	.440	236.4	1.909	123.84	1.622	.850	0	297.2	387.7	101.05	66.0

Head File: Brodix BR1  
 Head Comments:  
 BTR Canted Valve Cathedral Venturi 1.900 Int / 1.410  
 11" x 5" Int / 13" x 3" Exh Production, No Valve Job Blend  
 2.125/1.590 OE GenV LT1 Valves (Out of box) Free Drop .150 Int / .270 Exh

Head Number	Customer	GPI
Intake	Exhaust	
Layout:	Layout:	1 valve & 1 port
Valve Diameter, in	Valve Diameter, in	1.59
Stem Diameter, in	Stem Diameter, in	.313
Throat Diameter, in	Throat Diameter, in	1.41
Avg Seat Angle, deg	Avg Seat Angle, deg	45
Port Shape:	Port Shape:	Round
Port Volume, ccs	Port Volume, ccs	82
Avg Port Diameter, in	Avg Port Diameter, in	1.365
Avg Port Height, in	Avg Port Height, in	1.45
Port Length, in	Port Length, in	3.4