



Test Comments:

WARD +1mm CNC PORT FRONT  
 KPMI VALVES

DEFAULT FLOW CALIBRATION

Report of:	Test Time	Tested at	Corr to	# Vlvs	Vlv Dia	Stem Dia	Port Area
All 1	8:53 am	Int: 28"	28.0"	2	1.61"	.236"	2.65 sq in
Cylinders	03/30/2020	Exh: 28"	28.0"	2	1.300"	.236"	1.69 sq in

Port	Lift	L/D	Corr CFM	VlvArea sq.in	CFM / sq.in	FlwArea sq.in	Flow Coef.	Valve Velocity	Port Velocity	% Exh/Int
Int #1	.100	.062	109.4	1.012	108.11	.750	.742	259.5	99.1	
Int #1	.200	.124	212.5	2.023	105.03	1.458	.721	252.1	192.6	
Int #1	.300	.186	283.6	3.035	93.45	1.946	.641	224.3	257.1	
Int #1	.400	.248	340.6	3.984	85.50	2.337	.587	205.2	308.8	
Int #1	.500	.311	378.1	3.984	94.91	2.595	.651	227.8	342.8	
Int #1	.600	.373	395.6	3.984	99.30	2.714	.681	238.3	358.6	
Exh #1	.100	.077	87.9	.817	107.65	.603	.739	258.4	125.0	80.4
Exh #1	.200	.154	185.8	1.634	113.76	1.275	.781	273.0	264.2	87.5
Exh #1	.300	.231	238.6	2.450	97.38	1.637	.668	233.7	339.3	84.1
Exh #1	.400	.308	256.3	2.567	99.83	1.758	.685	239.6	364.4	75.2
Exh #1	.500	.385	264.4	2.567	102.99	1.814	.707	247.2	375.9	69.9
Exh #1	.600	.462	269.3	2.567	104.89	1.847	.720	251.7	382.9	68.1

Head File: Untitled

Head Comments:

Head Number	Customer	Ward
Intake	Exhaust	
Layout:	Layout:	2 valves join to 1 port
Valve Diameter, in	Valve Diameter, in	1.61
Stem Diameter, in	Stem Diameter, in	.236
Throat Diameter, in	Throat Diameter, in	1.413
Avg Seat Angle, deg	Avg Seat Angle, deg	45
Port Shape:	Port Shape:	Round
Port Volume, ccs	Port Volume, ccs	217
Avg Port Diameter, in	Avg Port Diameter, in	1.836
Avg Port Height, in	Avg Port Height, in	1.986
Port Length, in	Port Length, in	5
		2 valves join to 1 port
		1.300
		.236
		1.004
		45
		Round
		83
		1.466
		1.6
		3