



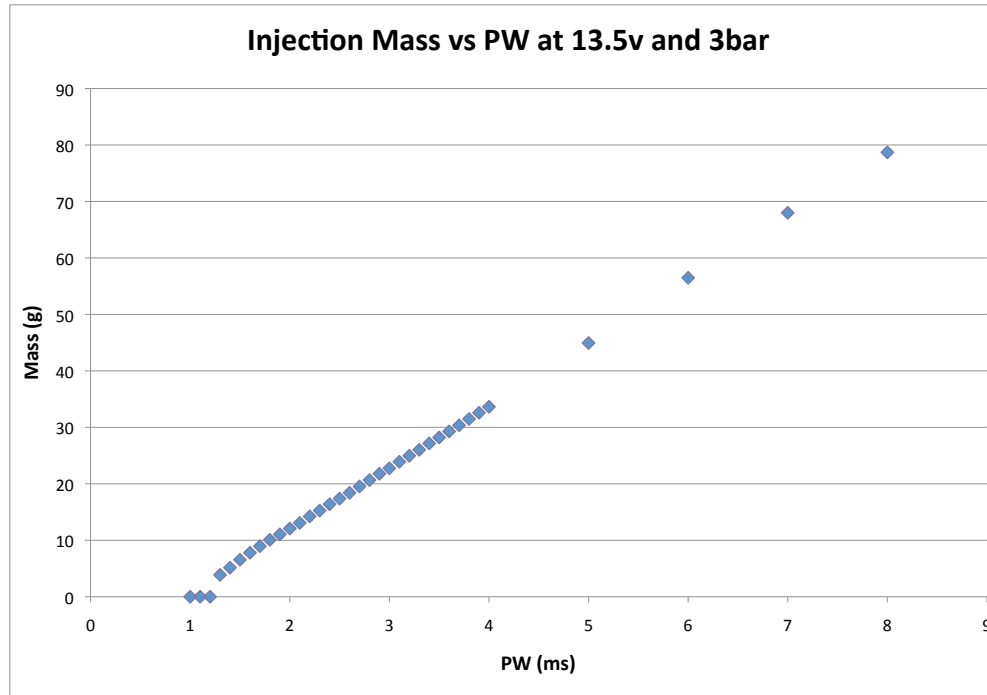
## Fuel Injector Characterization Summary

PN: 17u-XX-0095-X, 17u-XX-1000-X

Pulsed Flow Data (3bar)				
Pulse Width (ms)	Volumetric (cc/shot)	Gravimetric (mg/shot)	% Mass Deviation	Linearity
1.0	0	0	0.00%	NON LINEAR RANGE
1.1	0	0	0.00%	
1.2	0	0	0.00%	
1.3	0.0052	3.869	12.11%	
1.4	0.0069	5.149	12.49%	
1.5	0.0088	6.553	14.90%	
1.6	0.0104	7.801	14.23%	
1.7	0.0120	8.956	12.58%	
1.8	0.0135	10.079	10.99%	
1.9	0.0148	11.046	8.23%	
2.0	0.0161	12.076	6.56%	
2.1	0.0175	13.075	4.94%	
2.2	0.0190	14.229	4.75%	
2.3	0.0204	15.259	3.73%	
2.4	0.0219	16.382	3.45%	
2.5	0.0232	17.381	2.47%	
2.6	0.0246	18.410	1.78%	
2.7	0.0261	19.534	1.66%	
2.8	0.0276	20.657	1.56%	
2.9	0.0291	21.781	1.47%	
3.0	0.0304	22.748	0.69%	
3.1	0.0319	23.902	0.78%	
3.2	0.0333	24.963	0.48%	
3.3	0.0348	26.024	0.21%	
3.4	0.0363	27.148	0.19%	
3.5	0.0377	28.209	-0.05%	
3.6	0.0391	29.270	-0.26%	
3.7	0.0405	30.362	-0.37%	
3.8	0.0420	31.485	-0.36%	
3.9	0.0435	32.577	-0.45%	
4.0	0.0449	33.638	-0.63%	
5.0	0.0600	44.934	-0.39%	
6.0	0.0754	56.480	0.20%	
7.0	0.0908	67.994	0.54%	
8.0	0.1051	78.697	-0.24%	

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	732	69.7	9.14
3	300	43.5	919	87.5	11.46
4	400	58.0	1079	102.7	13.46
5	500	72.5	1237	117.8	15.44

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.999	1.450	1.013	0.688	0.476
3bar	2.361	1.712	1.215	0.870	0.677
4bar	2.562	1.910	1.394	1.015	0.773
5bar	2.898	2.118	1.524	1.115	0.892



### NOTES

All mass values (gravimetric) are calculated for pump gas using SG of 0.749  
 Application specific calibration summaries are also available (visit website or inquire with tech support)  
 Data on calibration summaries may vary slightly from data on this sheet due to in-car optimization