



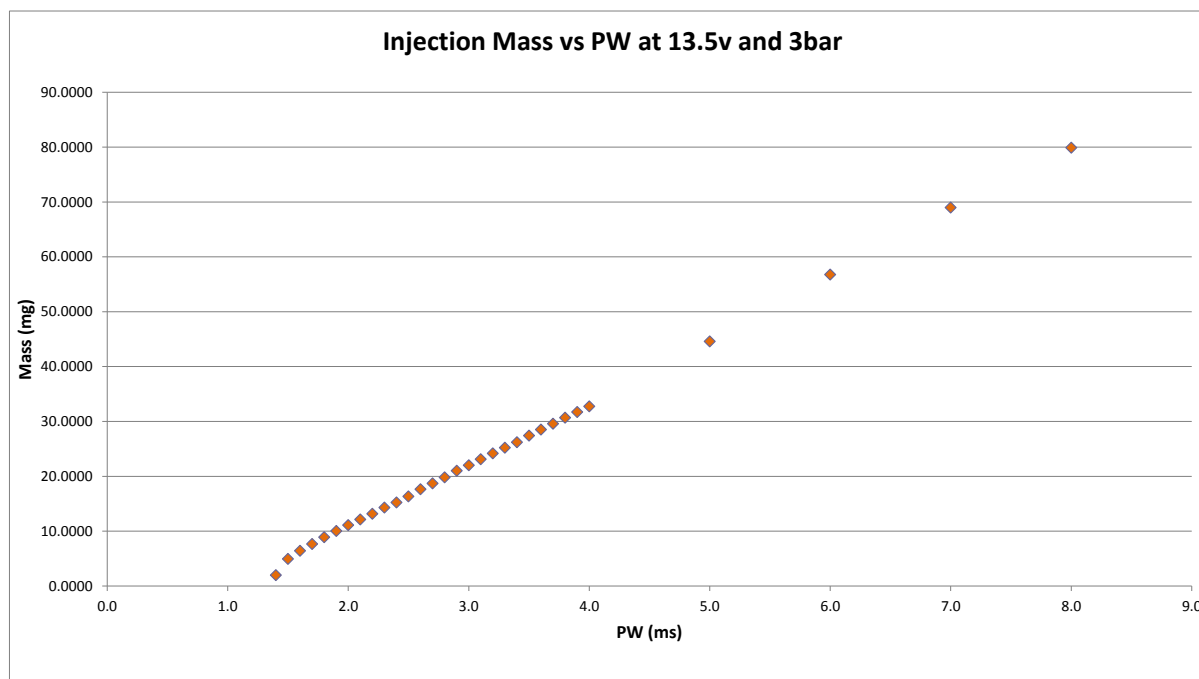
## Fuel Injector Characterization Summary

DW PN: 18U-XX-0088-X, 18U-XX-0900-X, 18U-XX-1000-X

Pulsed Flow Data (3bar, 13.5v)					
Pulse Width (ms)	Volumetric (cc/shot)	Gravimetric (mg/shot)	% Mass Deviation	Linearity	
1.0	Below limits of detection				
1.1					
1.2					
1.3					
1.4	0.0027	1.997	-29.70%	NON LINEAR RANGE	
1.5	0.0066	4.930	22.92%		
1.6	0.0086	6.428	24.07%		
1.7	0.0103	7.676	20.86%		
1.8	0.0119	8.893	18.24%		
1.9	0.0134	10.048	15.60%		
2.0	0.0148	11.109	12.64%		
2.1	0.0162	12.138	10.03%		
2.2	0.0176	13.168	7.92%		
2.3	0.0191	14.292	6.87%		
2.4	0.0203	15.228	4.71%		
2.5	0.0218	16.351	4.06%		LINEAR RANGE
2.6	0.0235	17.630	4.43%		
2.7	0.0250	18.723	3.71%		
2.8	0.0265	19.815	3.08%		
2.9	0.0281	21.032	3.13%		
3.0	0.0294	21.999	2.02%		
3.1	0.0309	23.122	1.71%		
3.2	0.0323	24.183	1.17%		
3.3	0.0337	25.213	0.56%		
3.4	0.0350	26.212	-0.12%		
3.5	0.0366	27.428	0.05%		
3.6	0.0381	28.521	-0.22%		
3.7	0.0395	29.582	-0.58%		
3.8	0.0410	30.674	-0.81%		
3.9	0.0423	31.703	-1.22%		
4.0	0.0438	32.764	-1.50%		
5.0	0.0595	44.591	-0.83%		
6.0	0.0758	56.760	0.16%		
7.0	0.0921	68.992	0.91%		
8.0	0.1067	79.883	-0.23%		
SLOPE (cc/min)		951			

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	755	71.9	9.43
3	300	43.5	927	88.3	11.57
4	400	58.0	1105	105.2	13.79
5	500	72.5	1261	120.1	15.74

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	2.299	1.698	1.217	0.856	0.617
3bar	2.695	1.990	1.435	1.029	0.773
4bar	2.837	2.154	1.598	1.168	0.864
5bar	3.226	2.379	1.728	1.273	1.014



### 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

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