



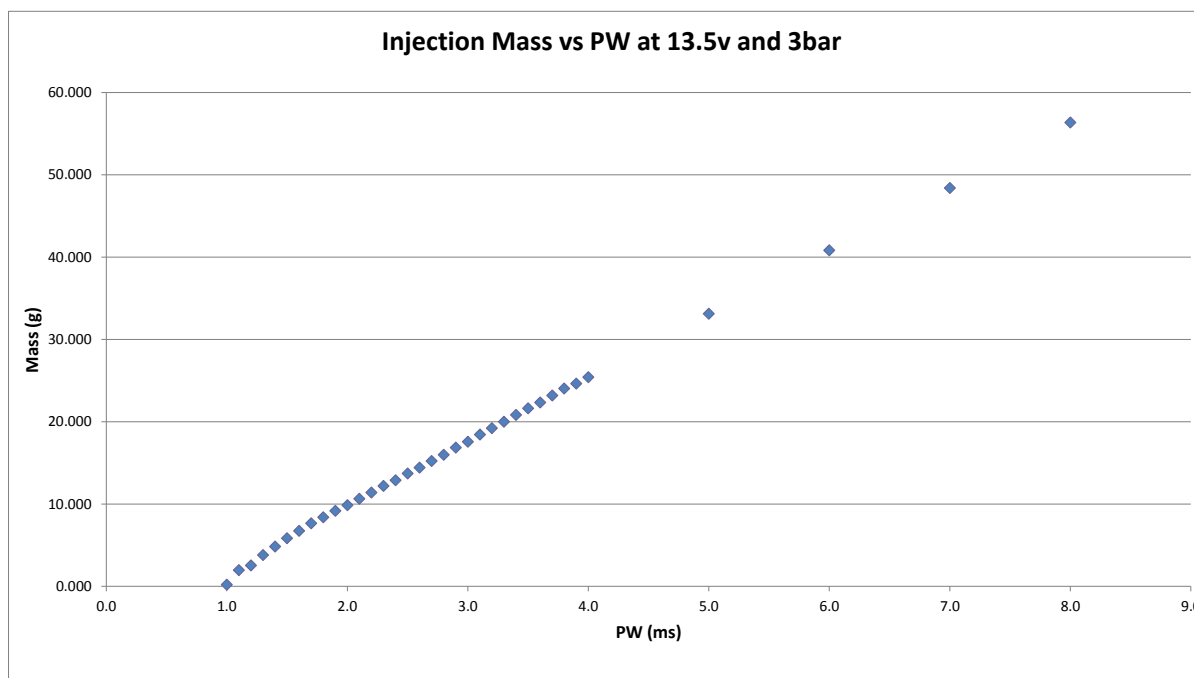
## Fuel Injector Characterization Summary

DW PN: 13U-XX-0525-X

Pulsed Flow Data (3bar, 13.5v)				Linearity
Pulse Width (ms)	Volumetric (cc/shot)	Gravimetric (mg/shot)	% Mass Deviation	
1.0	0.0003	0.187	-91.81%	NON LINEAR RANGE
1.1	0.0026	1.966	-35.68%	
1.2	0.0034	2.528	-33.96%	
1.3	0.0051	3.807	-17.21%	
1.4	0.0065	4.837	-9.92%	
1.5	0.0078	5.835	-4.97%	
1.6	0.0090	6.740	-2.48%	
1.7	0.0102	7.645	-0.49%	
1.8	0.0112	8.394	-0.70%	
1.9	0.0123	9.174	-0.55%	
2.0	0.0132	9.861	-1.35%	LINEAR RANGE
2.1	0.0142	10.641	-1.17%	
2.2	0.0152	11.390	-1.28%	
2.3	0.0163	12.201	-0.87%	
2.4	0.0172	12.887	-1.47%	
2.5	0.0183	13.699	-1.10%	
2.6	0.0193	14.416	-1.40%	
2.7	0.0203	15.228	-1.07%	
2.8	0.0213	15.977	-1.16%	
2.9	0.0225	16.850	-0.50%	
3.0	0.0235	17.568	-0.78%	
3.1	0.0246	18.442	-0.19%	
3.2	0.0257	19.222	-0.13%	
3.3	0.0267	20.002	-0.08%	
3.4	0.0278	20.813	0.12%	
3.5	0.0289	21.624	0.30%	
3.6	0.0298	22.342	0.05%	
3.7	0.0310	23.185	0.36%	
3.8	0.0321	24.027	0.65%	
3.9	0.0329	24.620	-0.10%	
4.0	0.0339	25.400	-0.06%	
5.0	0.0442	33.108	-0.05%	
6.0	0.0545	40.815	-0.05%	
7.0	0.0646	48.398	-0.30%	
8.0	0.0753	56.355	0.18%	
SLOPE (cc/min)		619		

Static Flow Data					
Differential Pressure			Flow		
Bar	kPa	PSI	cc/min	lb/hr	g/s
2	200	29.0	504	48.0	6.29
3	300	43.5	638	60.7	7.96
4	400	58.0	772	73.5	9.63
5	500	72.5	866	82.5	10.81

Battery Offset					
	8 volts	10 volts	12 volts	14 volts	16 volts
2bar	1.571	1.180	0.857	0.601	0.414
3bar	1.611	1.208	0.879	0.622	0.438
4bar	1.750	1.343	0.989	0.714	0.516
5bar	1.889	1.496	1.155	0.865	0.628



### 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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