

DeatschWerks HighFlow Injector Report

Testing Information

Inject part Number	INJ-SUB2-740-4	Injector Type	side feed high impedance
Application	Subaru EJ25	Testing Pressure	43.5
Manufacture	JECS/DeatschWerks	Set Qty	4

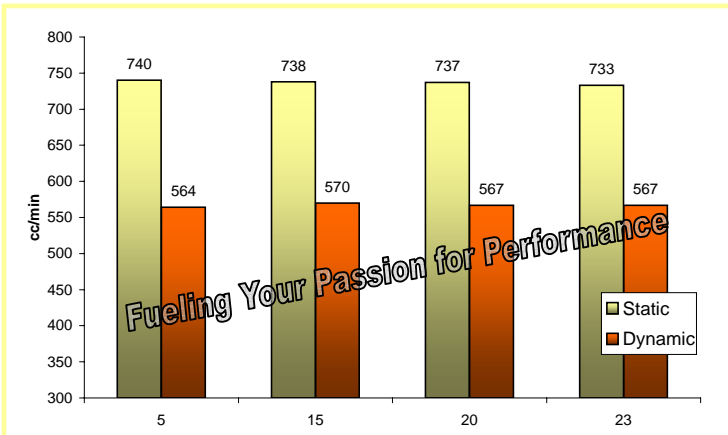
Flow Data

Injector #	Static @ 100% IDC		Dynamic @ 75% IDC	
	cc/min	lbs/hr	cc/min	lbs/hr
5	740	70.5	564	53.7
15	738	70.3	570	54.3
20	737	70.2	567	54.0
23	733	69.8	567	54.0
Min. Flow	733	69.8	564	53.7
Max Flow	740	70.5	570	54.3
Avg Flow	737	70.2	567	54.0
% Balanced	99.0%		98.9%	
% Difference +/-	0.5%		0.5%	

BSFC Based Injector Limits

Duty Cycle	0.7	0.6	0.5
70%	281	328	393
75%	301	351	421
80%	321	374	449
85%	341	398	477
90%	361	421	505

This table approximates the amount of horsepower your injector set can support based on injector size, number, duty cycle, and Brake Specific Fuel Consumption. BSFC is best derived from actual dyno numbers but will usually fall in the ranges above for turbocharged vehicles



Fuel Pressure Correction

Bar	Psi	cc/min	lbs/hr
2.04	30.0	612	58.3
2.38	35.0	661	63.0
2.72	40.0	707	67.3
2.96	43.5	737	70.2
3.06	45.0	750	71.4
3.40	50.0	790	75.3
3.74	55.0	829	78.9
4.08	60.0	866	82.4
4.42	65.0	901	85.8
4.76	70.0	935	89.0
5.10	75.0	968	92.2
5.44	80.0	999	95.2

Notes

- BLUE** indicates normal operating level
- GREEN** indicates safe operating level
- YELLOW** indicates near boundary of safe limits
- RED** indicates outside of suggested operating range

Upgraded fuel pump is recommended when using these injectors
 It is very important to lube the injector o-rings prior to installation
 Always check for fuel leaks before starting your engine