

Information about this Injector Set

Part #: IS145-0775H	Driver req.: Saturated	Design flow: 775 cc/min	
Injector Valve Type: Stainless steel		Impedance: High	12.3 Ohm

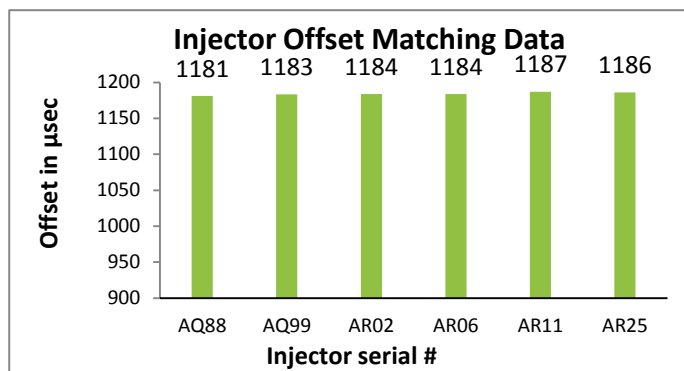
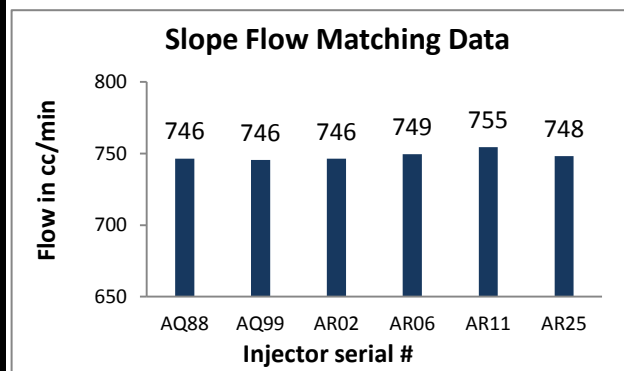
Data Match Technology

DMT test conditions information:

Test fluid: 16B

Test Bench Injector Driver - OEM Denso ECU

Test fluid temp: 88-91 °F / 32°C



Average Flow rate at 43.5 psi: 748 cc/min

Average Offset at 3 bar & 13.5V: 1184 μs

Your set is flow matched within 1.2%

Your set is offset matched within 0.5%

Matching individual injector dynamic flow rates, called the slope of the injector, results in matched AFR's benefitting good idle, cruise and startup.

Offset/ latency matching ensures that all injectors pulse the same amount of fuel at all pulse widths, which is especially critical at the short idle pulses.

Injector Voltage Offset values in milliseconds (1ms=1000μs)

Base Fuel Pressure in psi/bar

		43.5 psi 3.0 bar	58.0 psi 4 bar	72.5 psi 5.0 bar	87.0 psi 6.0 bar
Flow at each pressure →		748 cc/min	864 cc/min	966 cc/min	1058 cc/min
System / ECU voltage at injector	8 Volt*	2.34 ms	2.71 ms	3.43 ms	*
	10 Volt	1.57 ms	1.81 ms	2.02 ms	2.34 ms
	12 Volt**	1.18 ms	1.31 ms	1.45 ms	1.59 ms
	14 Volt**	0.91 ms	1.03 ms	1.12 ms	1.22 ms
	16 Volt	0.72 ms	0.82 ms	.89 ms	0.96 ms

*Injectors may not pulse at low voltage & high pressure

**Typical operating voltage zone of a running engine.

Estimated WHP* supported at different BSFC's @ 3 bar (43.5psi) <small>*WHP assumes 15% transmission losses</small>	Base fuel pressure →	43.5 psi	50.0 psi	58.0 psi	83.0 psi
	BSFC @ 0.5 NA on Gas	654 hp	702 hp	756 hp	904 hp
	BSFC @ 0.6 Turbo on Gas	545 hp	585 hp	630 hp	753 hp
	BSFC @ 0.78 Turbo on E85	419 hp	450 hp	484 hp	579 hp
	Numbers based on 90% IDC! - To protect your engine, Fuel Injector Clinic does not recommend running injectors over 90% Injector Duty Cycle				