



**Fuel Pressure** - ID injectors have the ability to operate at high fuel pressure which broadens the usable flow range for each injector. The maximum pressure for each model is shown below.

ID725 - 8.5 bar, 123.5 psi.

ID850 - 7.0 bar, 101.5 psi.

ID1000 - 7.0 bar, 101.5 psi.

ID2000 - 9.0 bar, 130.5 psi.

**Flow Rate and Offset** - Flow Rate and Offset (Dead Time, Lag, Latency, etc.) are tabulated for each model across its respective operating range, and shown below.



Basic Specifications:

Nominal Flow Rate - 715cc/min @ 3.00 Bar (43.5 psi) Using Gasoline at 52 Degrees C (125 Degrees F)  
 Maximum Differential Fuel Pressure - 8.5 Bar (123.5 psi)  
 Fuel Compatibility - Compatible With All Known Fuels  
 Electrical Connector - USCAR

Subaru ECU Injector Latencies Settings:

(V),(ms)  
 6.50,2.488,  
 9.00,1.524,  
 11.50,1.104,  
 14.00,0.792,  
 16.50,0.640

**Injector Dynamics ID725 Dynamic Flow Data**

Fuel Pressure (psid)	Dead Time (usec)					Flow Rate (cc/min)
	8 Volts	10 Volts	12 Volts	14 Volts	16 Volts	
	40.0	1910	1320	1030	775	
43.5	1975	1355	1040	795	670	715
45.0	2005	1365	1045	800	680	730
50.0	2095	1420	1065	830	700	770
55.0	2185	1465	1090	860	720	810
60.0	2270	1520	1115	895	745	850
65.0	2350	1575	1140	930	765	890
70.0	2440	1630	1175	970	790	925
75.0	2545	1685	1215	1010	815	960
80.0	2675	1740	1265	1045	850	990
85.0	2840	1790	1320	1075	885	1020
90.0	3035	1845	1375	1100	925	1050
95.0	3250	1900	1435	1125	960	1080
100.0		1965	1490	1155	995	1110
105.0		2040	1540	1185	1020	1140
110.0		2120	1580	1220	1040	1170
115.0		2219	1615	1260	1055	1200
120.0		2300	1650	1300	1070	1235

Note: Injectors Require Minimum 10V to run 100psi and Above!!!



**Basic Specifications**

Nominal Flow Rate - 885cc/min @ 3.0 Bar (43.5 psi) Using Gasoline at 52 Degrees C (125 Degrees F)  
 Maximum Differential Fuel Pressure - 7.0 Bar (101.5 psi)  
 Fuel Compatibility - Compatible With All Known Fuels  
 Electrical Connector - USCAR

**Subaru ECU Injector Latencies Settings:**

(V),(ms)  
 6.50,2.848,  
 9.00,1.760,  
 11.50,1.204,  
 14.00,0.912,  
 16.50,0.684

<b>Injector Dynamics ID850 Dynamic Flow Data</b>						
<b>Fuel Pressure (psid)</b>	<b>Dead Time (usec)</b>					<b>Flow Rate (cc/min)</b>
	<b>8 Volts</b>	<b>10 Volts</b>	<b>12 Volts</b>	<b>14 Volts</b>	<b>16 Volts</b>	
40.0	2195	1495	1115	885	710	845
43.5	2280	1540	1145	910	730	885
45.0	2320	1560	1160	920	735	905
50.0	2440	1625	1210	955	770	955
55.0	2580	1700	1260	990	805	1005
60.0	2765	1775	1310	1025	835	1050
65.0	2990	1855	1350	1060	860	1090
70.0	3250	1935	1395	1090	885	1130
75.0		2025	1445	1120	905	1170
80.0		2110	1495	1145	930	1205
85.0		2215	1545	1175	955	1240
90.0		2350	1605	1215	985	1275
95.0		2515	1670	1260	1020	1310
100.0		2705	1740	1315	1055	1350

**Note: Injectors Require Minimum 10V to run 75psi and Above!!!**



**Basic Specifications:**

Nominal Flow Rate - 1015cc/min @ 3.0 Bar (43.5 psi) Using Gasoline at 52 Degrees C (125 Degrees F)  
 Maximum Differential Fuel Pressure - 7.0 Bar (101.5 psi)  
 Fuel Compatibility - Compatible With All Known Fuels  
 Electrical Connector - USCAR

**Subaru ECU Injector Latencies Settings:**

(v), (ms)  
 6.50,3.608,  
 9.00,1.928,  
 11.50,1.304,  
 14.00,0.992,  
 16.50,0.760

Fuel Pressure (psid)	Dead Time (usec)					Flow Rate (cc/min)
	8 Volts	10 Volts	12 Volts	14 Volts	16 Volts	
	40.0	2485	1630	1210	970	
43.5	2600	1675	1240	990	805	1015
45.0	2720	1705	1295	1000	810	1035
50.0	2855	1750	1355	1025	815	1085
55.0	3015	1815	1400	1055	820	1135
60.0	3195	1880	1440	1080	845	1180
65.0	3370	1960	1485	1100	880	1225
70.0	3550	2050	1530	1125	925	1265
75.0		2155	1580	1155	975	1305
80.0		2280	1625	1195	1020	1345
85.0		2435	1675	1245	1060	1390
90.0		2610	1725	1305	1095	1435
95.0		2800	1775	1370	1125	1485
100.0		2995	1855	1440	1155	1530

**Note: Injectors Require Minimum 10V to run 75psi and Above!!!**



**Basic Specifications**

Nominal Flow Rate - 2225cc/min @ 3.00 Bar (43.5 psi) Using Gasoline at 52 Degrees C (125 Degrees F)  
 Maximum Differential Fuel Pressure - 9.0 Bar (130.5 psi)  
 Fuel Compatibility - Compatible with Methanol/Ethanol/All Known Hydrocarbon Fuels.  
 Incompatible with MTBE/Nitro Methane/Nitro Propane.  
 Electrical Connector - Denso

**Subaru ECU Injector Latencies Settings:**

(V),(ms)  
 6.50,1.988,  
 9.00,1.100,  
 11.50,0.724,  
 14.00,0.496,  
 16.50,0.344,

<b>Injector Dynamics ID2000 Dynamic Flow Data</b>						
Fuel Pressure (psid)	Dead Time (usec)					Flow Rate (cc/min)
	8 Volts	10 Volts	12 Volts	14 Volts	16 Volts	
43.5	1455	950	680	495	375	2225
45.0	1475	965	690	500	380	2255
50.0	1540	1020	720	525	405	2365
55.0	1605	1065	750	550	430	2470
60.0	1680	1105	780	580	455	2575
65.0	1750	1140	810	605	475	2680
70.0	1825	1175	840	635	495	2780
75.0	1895	1220	880	665	505	2875
80.0	1965	1270	925	690	515	2970
85.0	2050	1320	965	715	520	3055
90.0	2160	1360	995	750	540	3140
95.0	2290	1395	1015	780	565	3225
100.0	2410	1430	1035	810	590	3300
105.0	2515	1485	1060	830	605	3375
110.0	2620	1555	1095	840	615	3445
115.0	2750	1620	1135	855	630	3515
120.0	2935	1675	1175	875	665	3580
125.0	3175	1720	1220	900	715	3645
130.0	3435	1755	1265	925	775	3710