Injector YP1000cc

Part Number #34015

Basic Specifications

Electrical

- Impedance 12 Ω
- Maximum power supply 16 V

Physical

- Operating temperature range -40 to 110 °C
- System pressure maximum 8 bar
- Weight 25 g
- EV6 style connector
- Flow rate 1015 cc/min @ 3 bar, 100% duty on VP C16 fuel at 52 °C (125 °F)
- 14 mm top O-Ring
- Fuel rail bore size 13.89 mm (0.547")

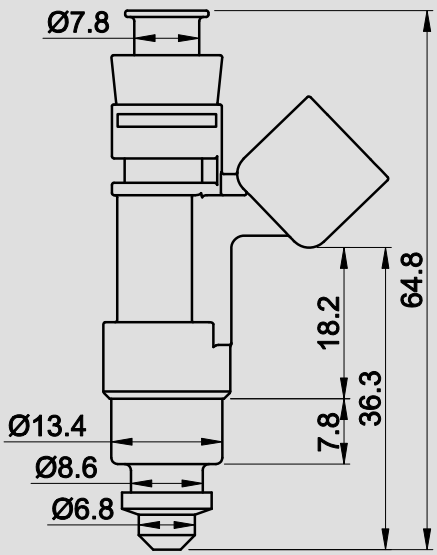
Compatibility

- All MoTeC ECUs

Accessories

- #34018 Adapter top 11mm for YP Injectors
- #34019 Adapter top 14mm for YP Injectors
- #34006 EV1 PNP Adapter Connector for YP Injectors

Dimensions [mm]



Applications

The YP1000cc injector is a high impedance, "saturated" injector. Suitable for most fuel injected engines.

Features

- Excellent low pulse width response
- Good atomization
- Excellent consistency

Wiring

#34015 Pin	ECU pin
Power	12V
Drive	Injector Output

Refer to the ECU User Manual for pin numbers.

Note: All MoTeC User Manuals are available from www.motec.com/downloads

Calibration

Procedure described for Version 3 software.
Configuration in Version 2 software is similar.

- On the **Adjust** menu, click **General Setup** and then click **Fuel.**
- Click **Setup** and enter **Injector Current 0.0.** **Note:** This is not the actual injector current, but this setting disables the current control.
- Press **ESC** and click **Battery Comp.**
- Enter values according to the following table:

Injector Battery Compensation							
Fuel Pressure		**Dead Time [µsec]** (1000 µsec = 1 ms)					**Flow [cc/min]**
[kPa]	**[psi]**	**8 V**	**10 V**	**12 V**	**14 V**	**16 V**	
276	40	2485	1630	1210	970	800	980
300	43.5	2600	1675	1240	990	805	1015
310	45	2720	1705	1295	1000	810	1035
345	50	2855	1750	1355	1025	815	1085
379	55	3015	1815	1400	1055	820	1135
414	60	3195	1880	1440	1080	845	1180
448	65	3370	1960	1485	1100	880	1255
483	70	3550	2050	1530	1125	925	1265
517	75	-	2155	1580	1155	975	1305
552	80	-	2280	1625	1195	1020	1345
586	85	-	2435	1675	1245	1060	1390
621	90	-	2610	1725	1305	1095	1435
655	95	-	2800	1775	1370	1125	1485
689	100	-	2995	1855	1440	1155	1530

Note: Injector requires a minimum 10 V to run at 517 kPa (75 psi) and higher.