



Electric Water Pump flow Tests.

December 2003

Please note that all these pump tests used our Skyline GTSt as the power source as it has a new larger Delco battery for a consistent test voltage. HOWEVER some tests are conducted with the engine running (approx 14.2v) & some with it off (approx. 12.5v), so please take note of the voltage source when comparing !

Also, these figures are achieved in our workshop, with our equipment, by us, as accurately as possible without favour to any manufacturer, for our own use.

PUMP	Current	Draw	5 cm head	131cm head	241cm head
CSI no. 925	12.51 volt		58.45 litres/min.		
with 1 outlet	14.25 volt	7.85 amps	68.84 litres/min.	52.72 litres/min.	28.96 litres/min.
with 2 outlets	14.27 volt		80.39 litres/min.		
Mezeire-black	12.52 volt		59.86 litres/min.		
	14.26 volt	7.22 amps	68.53 litres/min.	45.83 litres/min.	39.53 litres/min.
Davies Craig EWP.	12.51 volt		80.48 litres/min		
	14.24 volt	5.38 amps	88.69 litres/min.	73.54 Litres/min.	43.89 Litres/min.
Hose- free flow	negative	32 cm. head	50.32 litres/sec	Note this pump inlet hose is 38mm ID.	

The csi pump was initially tested with one outlet plugged as in a conventional setup, then with both outlets open as in a V8 configuration. We did not bother to set up a dual head height setup, as it was still less than the D.C. pump & is near twice the price !

		
<p>Testing the 'head' flow of the pumps. Gives a more useful performance rating than open flow. 2.41 meters shown.</p>	<p>The three pumps tested above. Note the enlarged inlet pipe on Mezeire, largest fittings on CSI, std. DC.</p>	<p>Bored out fittings used to test CSI pump</p>

Our 'Sizing' Spreadsheets