

MGP01

Electrical fuel pump
110 L/h @ 1 MPa

Description

A compact gear fuel pump coupled with a rugged dc motor allows reliable operation with limited current absorption.

The installation must be done inside the fuel tank.

Main Features

- Suitable to be PWM controlled

Benefits

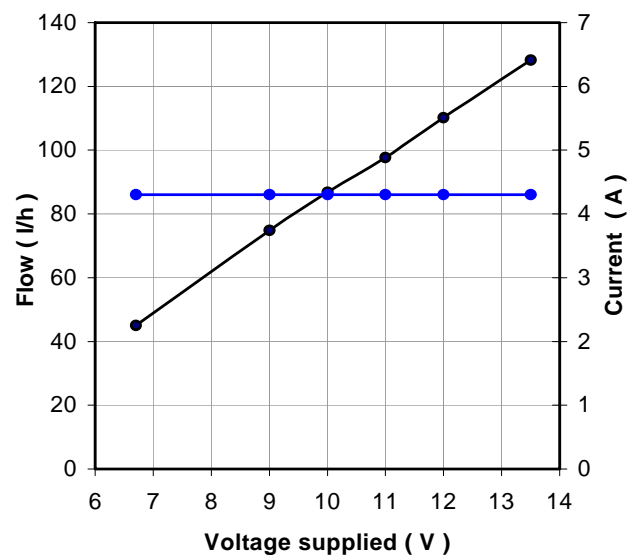
- Low weight
- Total efficiency about 60%

Typical Applications

MotoGP - SBK



Typical Performance at 1 MPa

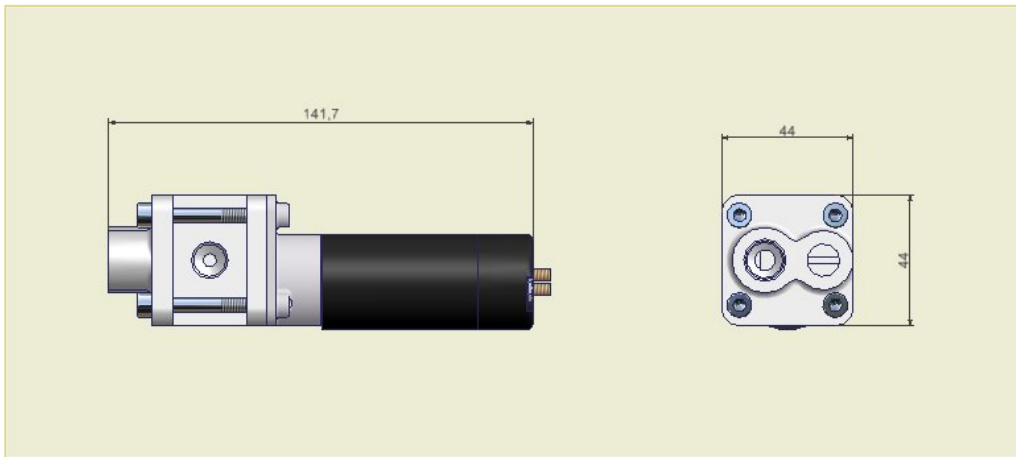


PUMPS

MGP01

Electrical fuel pump
110 L/h @ 1 MPa

Dimensions



Dimensions in millimetres

Technical Characteristics

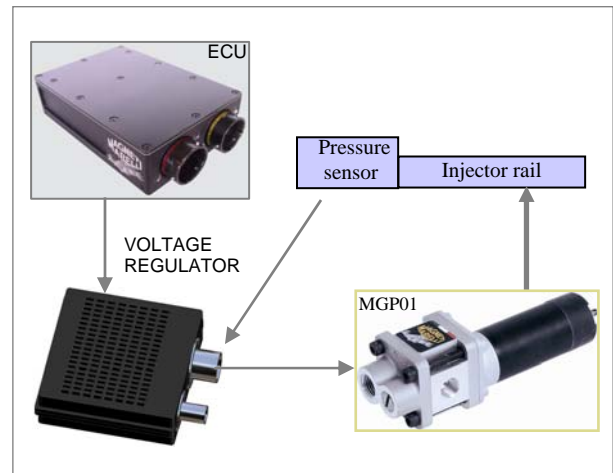
Supply Voltage.....	13.5 V
Flow rate	
@ 1 MPa	110 L/h
@ 0.5 MPa	118 L/h
Consumption	
@ 1 MPa	4.3 A
@ 0.5 MPa	2.7 A
Weight.....	526 g

Other Information

Joined with the MVRM 01 motorcycle voltage regulator the pump can be PWM controlled in order to achieve the fuel flow requirement. Reducing the duty cycle the electrical power consumption and the heat release to fuel can be reduced.

A closed loop control on the fuel pressure can be performed with the MVRM 01 voltage regulator as well.

Application Schematics



For further information, please contact:



Magneti Marelli S.p.A.
Motorsport
Viale Aldo Borletti, 61/63
20011 Corbetta (Milano) Italy

Tel. +39 02 972 27 478
Fax +39 02 972 27 570
sales@magnetimarelli.com
<http://www.magnetimarelli.com>

November 2009
rel. 08
page 2 of 2