D260BLX-LF-VSS

RS MICROPUMPS: 8170728

(Patents Pending, Quality Assured ISO 9001, RoHS compliant)

INTRODUCTION

The D260BLX range of Micropumps are high-quality 'Long Life' self-priming miniature pumps for liquids and gases. The LF version is designed as a low flow fuel pump. They are highly efficient, small, and lightweight. The solid construction and wide temperature tolerance, enable them to perform reliably even in hostile environments. Your Micropump can be quickly and easily installed into the smallest spaces, in a vast range of laboratory, prototype and production equipment.

ELECTRICAL CONNECTION

CAUTION: REVERSED OR INCORRECT CONNECTION WILL PERMANENTLY DAMAGE THE ELECTRONICS IN YOUR PUMP!

Voltage: 4.5-6.0 Volts dc (Maximum 0.5Amps)

The simplest connection is Red, Green, and Grey together to +ve (Positive) supply, Black to –ve (Negative) of supply

Wire Colour	Description	Connection	Status
Black	GRD The negative connection	-Ve	Required
Grey	VM Motor Power Supply	+Ve4.5~6.0	Required
Red	Vcc Onboard Controller Supply Circuit	+Ve4.5~6.0	Required
Green	CW/CCW Motor Rotation	+Ve4.5~6.0	Required
Yellow	RPM Signal Wire	GND Vcc 4 pulse / revolution square wave signal	Optional

Your Micropump can be connected to batteries, a DC power source of up to 6V.
Pumping rate can be adjusted by varying input voltages between 4.5v and 6.0v dc. Further fine tuning can be made by restricting the outlet of your pump using a fixed jet restriction or flexible tubing and an adjustable clamp.
The pump is quite happy to run even with the outlet completely blocked with gases, but the **flow must NOT be blocked when pumping fluids** as pressure inside the pump will increase and damage may occur.

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Materials

D260 Pump Head:	Stainless Steel 316
Housing:	Polyacetal
Connectors:	Stainless Steel 316
Seals:	Viton + Stainless Steel 300 Series

TUBING

D200 series:	2.4mm (3/32”) bore semi-flexible tubing

Notes on Operation

All ‘D series’ pumps are self-priming by design. Simply connect the pump into your flow circuit, noting the flow direction shown below, and begin pumping.