

Features

- Sensorless, brushless drive motor
- 180-degree porting design
- SS316/ Alloy construction
- Freeflow up to 9lpm
- Quiet pulseless smooth flow
- Wide range of chemical resistance
- No dynamic seal

RS PRO Water Pump

RS Stock No.: 817-0784



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

The M510 pump is driven by a powerful brushless drive motor and can deliver unparalleled flow for its size. Constructed from precision CNC machined aluminium alloy, stainless steel volute and connectors and utilising a seal-less pump design as standard. The pump uses barbed connectors designed for 8.0mm ID semi-flexible tubing.

Suitable for applications such as medical devices, Fuel Cells, Cooling Systems, Low Pressure Fuel Pump, Lubrication systems, Battery, and Solar Powered Systems.

The M510 requires a controller to run, We recommend the EQi-M (NOT INCLUDED) designed specifically for the M510 range, See our controller packages below, under the similar products tab.

The EQI-M offers speed and flow control via on-board potentiometer or external 0-4v analogue control with a wide 6-28v input voltage range in which the driver will monitor and govern speed accordingly.

General Specifications

Type	Centrifugal Pump
Maximum Flow Rate	9l/min
Input Connection	9mm Hose Barb
Input Connection Size	8.0mm I.D Semi flexible tubing
Output Connection Size	8.0mm I.D Semi flexible tubing
Maximum Pressure	850mbar (GAUGE)
Maximum System Pressure	25Bar
Wetted materials	316 Stainless Steel, PEEK, Ertalyte, FKM, Ertacetal
Coupling Type	Direct drive, seal-less
Maximum Fluid Temperature	100°C
Head Type	Single
Noise Level	<55db (Measured 1 metre from pump)
Auto On/Off Switch	No
Built-in Water Filter	No

Electrical Specifications

Connection	Requires controller (DC input)
Supply Voltage	6-28V
Input Power	15-25W (0 - 0.9 BAR @ 12v)

Mechanical Specifications

Dimensions	31 x 32 x 66 mm
Weight	175g

Protection Category

Safety Category Level	S1
IP Rating	IP 45
Insulation class	A

Approvals

Compliance/Certifications	ISO 9001 Quality Control Standard
Declarations	TCS Declaration of Conformity - RoHS Directive 2011/65/EU, SVCH, CMRT, 3TG and REACH compliant.

Similar Products

Stock No.	Brand	Maximum Flow Rate	Input Connection	Input Power
125-3555	RS PRO	9l/min	DC	25W
125-3556	RS PRO	9l/min	DC	25W
125-3557	RS PRO	9l/min	DC	25W
125-3571	RS PRO	-	DC	-
817-0772	RS PRO	9l/min	DC	25W
817-0781	RS PRO	9l/min	DC	25W

TEST CONDUCTED ON 10:1 WATER GLYCOL MIXTURE AT 12V USING AN EQI-M CONTROLLER. PUMP HAS BEEN CONTROLLED AND OPERATED VIA 0-4V ANALOGUE INPUT

