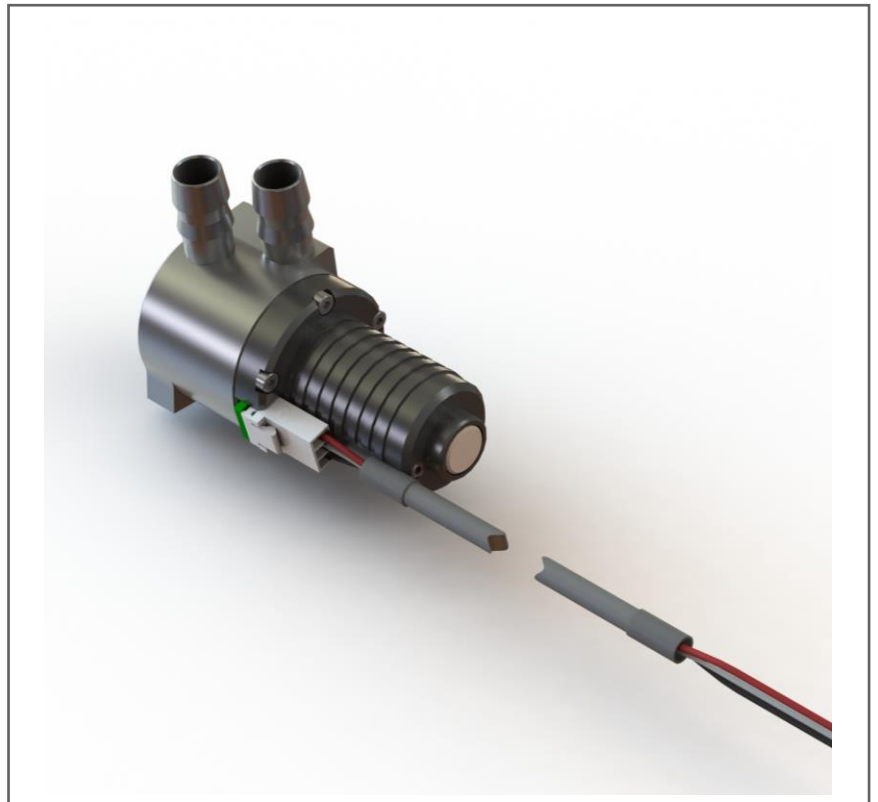


Features

- Sensorless, brushless drive motor
- 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.: 817-0772



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	-
817-0781	RS PRO	9l/min	DC	25W
817-0784	RS PRO	9l/min	DC	25W

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

