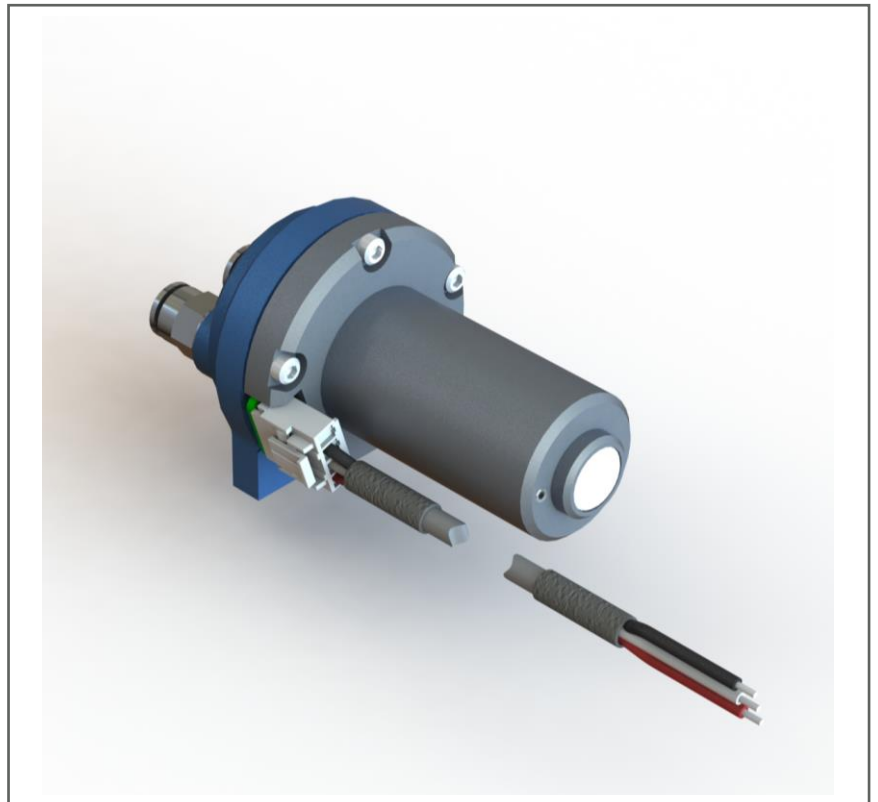


## Features

- High pressure capability
- Self-priming
- Smooth almost pulseless flow
- Reversible flow
- High chemical resistance
- Small size
- No dynamic seal

## RS PRO Water Pump

RS Stock No.: 817-0766



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 MGD2000 pump range delivers consistent flow with high or low pressure. They are a self-priming liquid pump. The body is constructed from precision CNC machined components and wetted parts are anodised aluminium, stainless steel, PEEK, ERTALYTE and PET. The MGD2000 range offers 2 different gear profiles for different uses: (F) for best performance in flow and (S) for best performance in pressure. The MGD2000 can be used with all common liquids and resists most chemicals and solvents.

The MGD2000 is suitable for applications such as: Medical devices, Fuel cells, high pressure fuel pump, Cooling systems, Precision flow, Lubrication.

The MGD2000 requires a controller to run, we recommend the EQI-MG2 (NOT INCLUDED) designed specifically for this pump. See our controller packages below under the similar products tab. The EQI-MG2 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. You can also reverse the flow direction.

## General Specifications

Type	Micro gear pump
Maximum Flow Rate	1500ml/min
Input Connection	1/8 BSP threads fitted with 8mm ID push fit connectors
Input Connection Size	8.0mm O.D Tubing
Output Connection Size	8.0mm O.D Tubing
Maximum Pressure	10 BAR (RECOMMENDED)
Maximum System Pressure	25Bar
Wetted materials	Anodised 6000 Series Aluminium, 316 Stainless Steel, PEEK, PET, Ertalyte, FKM.
Coupling Type	Direct drive, seal-less
Maximum Fluid Temperature	80°C
Head Type	Single
Noise Level	<65db (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	18-88W (0-10BAR @ 12V)

## Mechanical Specifications

Dimensions	53 x 54 x 105 mm
Weight	350g

## Protection Category

Safety Category Level	S1
IP Rating	IP 45
Insulation class	A

## Approvals

Compliance/Certifications	ISO 9001 Quality Control Standard
Declarations	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
125-3564	RS PRO	1500ml	DC	18-88W
125-3565	RS PRO	2500ml/min	DC	30-100W
125-3568	RS PRO	-	DC	-
914-7016	RS PRO	2500ml/min	DC	30-100W

TEST CONDUCTED ON 10:1 WATER GLYCOL MIXTURE AT 12V USING AN EQI-MG2 CONTROLLER. PUMP HAS BEEN CONTROLLED AND OPERATED VIA 0-4V ANALOGUE INPUT

