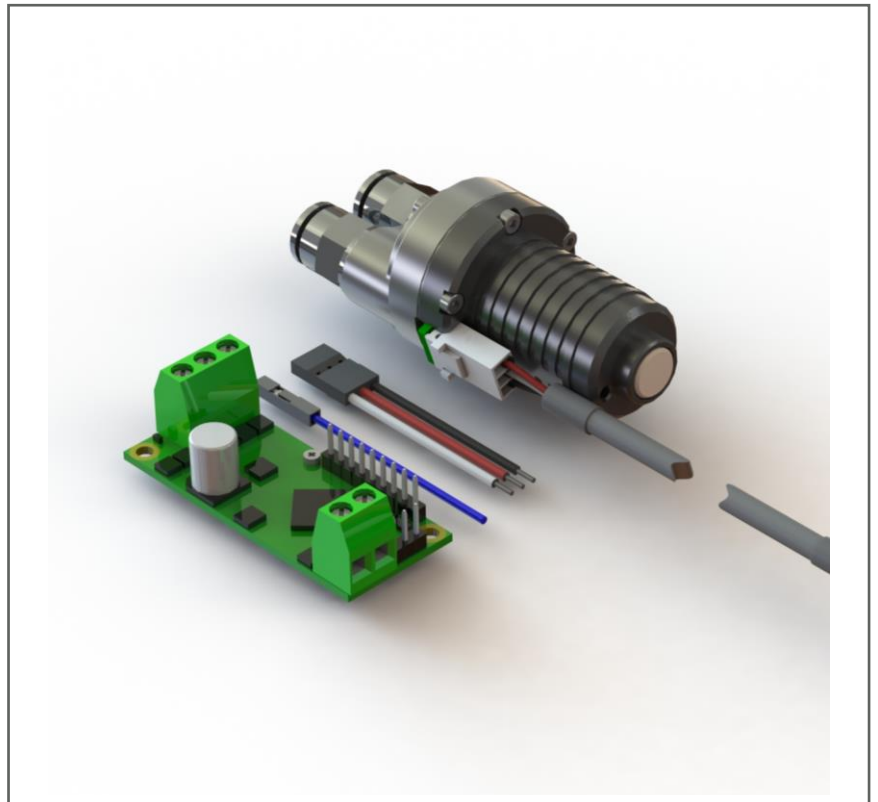


Features

- High pressure capability
- Sensorless, brushless external controller
- Self-priming
- High and low viscosity fluids
- Reversible flow
- High chemical resistance
- Small size
- No dynamic seal

RS PRO Water Pump

RS Stock No.: 125-3562



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 MGD1000 series micropump, delivers consistent almost pulseless flow with high or low pressure. They are suitable for a wide range of liquids and are self-priming. The MGD1000 can be used with all common liquids and will also resist most chemicals and solvents. Its flow direction is reversible. The MGD1000 range has 3 different gear variations for different uses. (P) for highest pressure performance, (F) for highest flow performance and (S) for a balance between the two.

These pumps are particularly suitable for systems where pressure and flow consistency are key requirements. Typical applications include Dosing, Medical devices, Fuel cells, High pressure fuel pump, Cooling systems, Precision flow, Lubrication.

The MGD1000 requires a controller to run, included in this package is the EQI-MG1 designed specifically for this pump. The EQI-MG1 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 External Gear Pump |
| Maximum Flow Rate | 400ml/min |
| Input Connection | 1/8 BSP threads fitted with 6mm ID push fit connectors |
| Input Connection Size | 6.0mm O.D Tubing |
| Output Connection Size | 6.0mm O.D Tubing |
| Maximum Pressure | 10 BAR (RECOMMENDED) |
| Maximum System Pressure | 25 BAR |
| Wetted materials | 316 Stainless Steel, PEEK, PET, Nickel, FKM |
| Coupling Type | Direct drive, seal-less |
| Maximum Fluid Temperature | 80°C |
| Head Type | Single |
| Noise Level | <60db (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 | 6-28W (0-10 BAR @ 12V) |

Mechanical Specifications

| | |
|------------|-----------------|
| Dimensions | 30 x 32 x 75 mm |
| Weight | 130g |

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 |
|-----------|--------|-------------------|------------------|-------------|
| 125-3560 | RS PRO | 550ml/min | DC | 28W |
| 125-3561 | RS PRO | 1100ml/min | DC | 35W |
| 125-3568 | RS PRO | - | DC | - |
| 817-0722 | RS PRO | 550ml/min | DC | 28W |
| 817-0734 | RS PRO | 400ml/min | DC | 28W |

TEST CONDUCTED ON 10:1 WATER GYLCOL MIXTURE AT 12V USING AN EQI-MG1 CONTROLLER. PUMP HAS BEEN CONTROLLED AND OPERATED VIA 0-4V ANALOGUE INPUT

