

FEATURES

- Flow monitored by liquid media
- Maximum pressure of 10 bar
- Flow meter device
- Minimum flow rate of 0.6 L/min
- Maximum flow rate of 10 L/min
- Supply voltage of 4.5 to 24 V DC
- Pipe diameter range of 3/8 in
- 3/8 push-on connection type
- Maximum pressure of 10 bar
- PVDF (polyvinylidene fluoride) material
- Minimum operating temperature of 0°C
- Maximum operating temperature of 125°C
- Current rating of 10mA
- Supplied with 1.5 m of cable

RS PRO Flow Meter Flow Meter, 0.6 L/min → 10 L/min

RS Stock No.: 511-4772



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This RS PRO flow meter is an accurate and efficient flow measurement solution for dispensing liquids. The device's hardwearing Viton ring makes an effective seal for the flow meter. This high-performance material can withstand temperature extremes and chemical interactions and is known for its durability.

At the centre of the meter is a precision turbine that rotates freely on robust bearings made of sapphire, for long life and reliability. The body of this flow metre is moulded polyvinylidene fluoride (PVDF). This specialist plastic is used in applications where the highest purity is a priority. It also offers resistance to solvents, acids and hydrocarbons.

General Specifications

| | |
|--------------------------|--|
| Device Type | Flow Meter |
| Media Monitored | Liquid |
| Minimum Flow Rate | 0.6L/min |
| Maximum Flow Rate | 10L/min |
| Maximum Pressure | 10bar |
| Material | PVDF |
| Repeatability | 0.1% |
| Linearity | 1.0% |
| Applications | Cooling equipment, Semiconductor plant |

Electrical Specifications

| | |
|----------------------------|-----------------|
| Supply Voltage | 4.5VDC to 24VDC |
| Current Rating | 10mA |
| Cable Length | 1.5m |
| Operating Frequency | 235Hz |

Mechanical Specifications

| | |
|----------------------------|-------------|
| Connection Type | 3/8 Push On |
| Pipe Diameter Range | 3/8 in |

Standard Materials of Construction

| | |
|--------------|--------------|
| Body and Cap | PVDF |
| Bearing | Sapphire |
| O-Ring Seal | Viton |
| Magnets | Over Moulded |

Operation Environment Specifications

| | |
|--------------------------------------|--------|
| Minimum Operating Temperature | 0°C |
| Maximum Operating Temperature | +125°C |

Protection Category

| | |
|------------------|------|
| IP Rating | IP65 |
|------------------|------|



TECHNICAL SPECIFICATIONS

| Model | Flow range L/Min | Linearity % FSD | Typical Freq. Hz. | Approx. K^2 Factor |
|---------|------------------|-----------------|-------------------|----------------------|
| 300-010 | 0.6 - 10 | 1.0 | 295 | 1420 |
| Weight | 0.150kg | | | |

