

## Flow Monitor

# RMU-B



## OVERVIEW

### Operation

- Float measuring principle

### Application

- Cooling systems and cooling circuits
- Mechanical engineering
- High pressure cleaners
- Research & Development

### Features

- Universal orientation
- High reliability
- Low sensitivity to dirt
- Infinitely variable switch point adjustment by operator
- High pressure resistance
- Threaded connection, special thread on request

### Installation information

- The operating instructions for RMU-B Module BASICS must be observed!

## ■ OPERATING DATA

<b>Operating pressure, max.</b>	250 bar (Brass version)
<b>Pressure drop</b>	0,025 – 0,3 bar
<b>Temperature, max.</b>	100 °C (optional 160 °C)
<b>Measuring accuracy</b>	±10 % of full scale

## ■ MEASURING RANGES

Type	Switch range for H <sub>2</sub> O at 20 °C <sup>(1)</sup>		
	l/min	gph	gpm
RMU-B02	0,4 – 1,7	6,5 – 27	
RMU-B12	5,5 – 10	87 – 159	
RMU-B18	8,5 – 15,5	135 – 245	

<sup>(1)</sup> The specified measuring- / switch ranges are valid for water having a density of 1.00 kg/dm<sup>3</sup>, vertical installation of the device and flow direction from bottom to top.

Other installation positions or deviation from the operating densities will increase the measurement error specified in the data sheet.

Operating density for water at 20 °C and 1.013 bar (absolute value): 1.00 kg/dm<sup>3</sup>.

Upon request, special scales for deviating media, different operating conditions and installation positions (only for devices which can be installed in any position) are available.

The specified switch values are switch-off points, i.e. switch values by decreasing flow.

Other measuring- /switch ranges are available upon request.

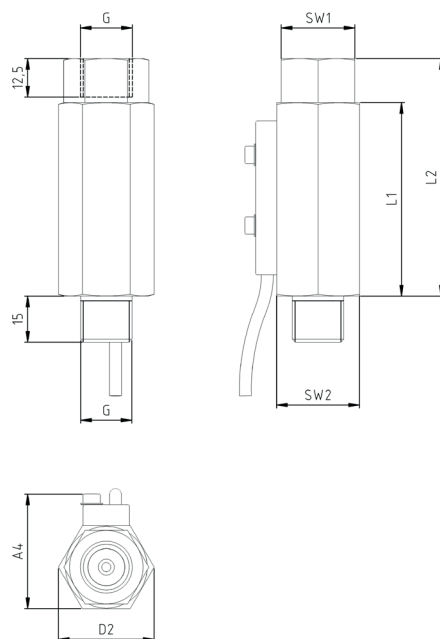
## ■ MATERIALS

### Brass version, wetted parts

Spring:	1.4571
Float:	Brass
Magnets:	Hard ferrite
Gaskets:	NBR <sup>(2)</sup>
Device body:	Brass

<sup>(2)</sup> Other gasket materials on request

## ■ TECHNICAL DRAWING



## ■ SUMMARY OF TYPES

Type	Overall dimensions [mm]												Weight approx.
	G (AG) <sup>(3)</sup>	G (IG) <sup>(3)</sup>	DN	SW 1	SW 2	L1	L2	D2	A1	A2	A3	A4	[g] <sup>(4)</sup>
RMU-B02	3/8"	3/8"	10	24	27	63	77,3	31,2	–	–	–	~37,5	320
RMU-B12	3/8"	3/8"	10	24	27	63	77,3	31,2	–	–	–	~37,5	320
RMU-B18	3/8"	3/8"	10	24	27	63	77,3	31,2	–	–	–	~37,5	320

<sup>(3)</sup> NPT thread on request

<sup>(4)</sup> Connection cable weight, 2 m approx. 80 g

## ELECTRICAL DATA

**Normally open (NOC)**

230V · 3A · 60VA

## ELECTRICAL CONNECTION

– Cable (1 m)

### Ingress Protection

IP67: Cable

### Output signal

The contact opens when the flow decreases below the set point.

### Power supply

Not required (potential-free reed contacts)

### Connector types

Other cable lengths on request

## CONNECTION DIAGRAM

