

Flow Monitor Flow Indicator

RVO/U-4



Range of Application

Operation

- Float measuring principle

Application

- Mechanical engineering
- Medicine technology
- Pharma industry
- Chemical industry
- Research and development
- Cooling systems and cooling circuits

Features

- Universal orientation
- High switch accuracy
- Infinitely variable switchpoint adjustment through user
- Threaded connection, special threads on request

Installation hints

- The operating instructions for RVO/U must be observed!
- Download: www.meister-flow.com

Operating Data

Operating pressure max.	16 bar
Pressure drop	0,02 - 0,2 bar
Maximum temperature	100 °C (optional 160 °C)
Accuracy	±10 % of full scale

Measuring Ranges

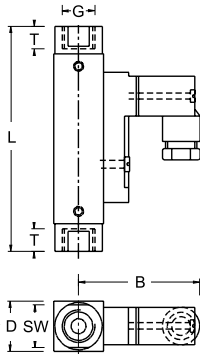
Type	Flow ranges for H ₂ O at 20 °C ⁽¹⁾		
	[l/min]	[gph]	[gpm]
RVO/U-4/01	0,005 - 0,06	0,08 - 0,95	
RVO/U-4/02	0,025 - 0,13	0,4 - 2,0	
RVO/U-4/03	0,06 - 0,3	1,0 - 4,8	
RVO/U-4/06	0,1 - 0,6	1,6 - 9,5	
RVO/U-4/1	0,2 - 1,2	3,0 - 19,0	
RVO/U-4/2	0,4 - 2		0,1 - 0,5
RVO/U-4/3	0,5 - 3		0,13 - 0,8
RVO/U-4/5	1 - 5		0,25 - 1,3

⁽¹⁾ The specified data are switch-off points, other switch ranges on request.

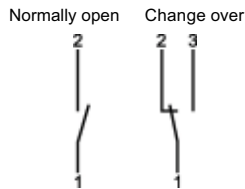


Technical Data

Mechanical drawing



Connection diagram



Summary of types

Typ:e	Overall dimensions [mm]							Weight (approx.) [g]
	SW	D	B	G	DN	T	L	
RVO/U-4/01								
RVO/U-4/02								
RVO/U-4/06								
RVO/U-4/1								
RVO/U-4/2	17	20	49	1/4"	8	10	90	140
RVO/U-4/3								
RVO/U-4/5								

Electrical Data

Change over ⁽²⁾ 200V • 1A • 20VA

Normally open 200V • 1A • 20VA

Change over M 12x1 (-20 °C - 85 °C) 125V • 1A • 20VA

Normally open M 12x1 (-20 °C - 85 °C) 125V • 1A • 20VA

Ingress Protection:

IP65: plug connection DIN 43650 Form C or plug connection M 12x1

IP67: 1 m sealed in cable

Output Signal

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

Power supply

Not required (potentialfree reed contacts)

Plug types

Other plug types or cable lengths on request

⁽²⁾ Only with plug connection

Material

Brass version

Wetted parts:

Sight glass: Duran® 50
 Spring: 1.4571
 Gaskets: NBR
 (optional FKM, EPDM) ⁽³⁾
 Magnets: Hard ferrite
 All other wetted parts: Brass nickel-plated

Non wetted parts:

Housing: Aluminium anodized

Stainless steel version

Wetted parts:

Sight glass: Duran® 50
 Spring: 1.4571
 Gaskets: FKM
 (optional NBR, EPDM) ⁽³⁾
 Magnets: Hard ferrite
 All other wetted parts: 1.4571

Non Wetted parts:

Housing: Aluminium anodized

⁽³⁾ Other gasket materials on request

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