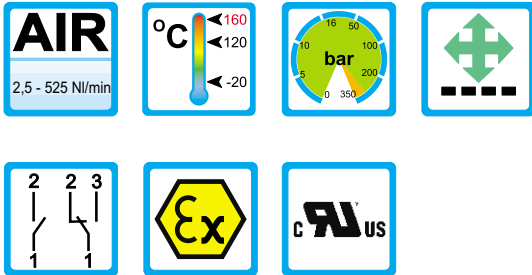


Flow Monitor

RVM/U-L2



Range of Applications

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 reliability
- High switch accuracy
- Infinitely variable switchpoint adjustment through user
- EX-version to ATEX available
- High pressure resistance
- Threaded connection, special threads on request

Installation hints

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

Operating Data

Operating pressure max.	300 bar (Brass) 350 bar (Stainless Steel)
Pressure drop	0,02 - 0,3 bar
Maximum temperature	120 °C (optional 160 °C)
Accuracy	±10 % of full scale

Measuring Ranges

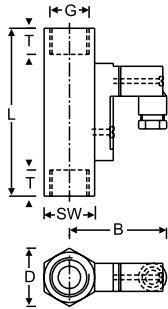
Type	Switch range Air at 1 bar abs. and 20 °C ⁽¹⁾		
	[NI/min]	[SCFH]	[SCFM]
RVM/U-L20010	2,5 - 10	5,50 - 21,0	
RVM/U-L20020	5,5 - 20	12,0 - 42,0	
RVM/U-L20030	8 - 30	17,0 - 64,0	
RVM/U-L20035	10 - 35	21,0 - 74,0	
RVM/U-2/3L	24 - 90	50,0 - 190,0	
RVM/U-L20220	55 - 220	115,0 - 465,0	
RVM/U-L20240	65 - 240	140,0 - 510,0	
RVM/U-L20300	80 - 300	170,0 - 640,0	
RVM/U-L20525	140 - 525		5,0 - 18,5

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

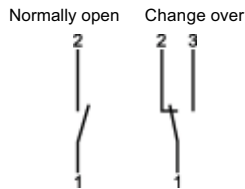


Technical Data

Mechanical drawing



Connection diagram



Summary of types

Type:	Overall dimensions [mm]							Weight (approx.) [g]
	SW	D	B	G	DN	T	L	
RVM/U-L20010								
RVM/U-L20020								
RVM/U-L20030								
RVM/U-L20035								
RVM/U-2/3L	27	31	52	1/2"	15	14	90	350
RVM/U-L20220								
RVM/U-L20240								
RVM/U-L20300								
RVM/U-L20525								

Electrical Data

Change over ⁽³⁾	250V • 1,5A • 50VA ⁽²⁾
Normally open	230V • 3A • 60VA

ATEX II 2 G Ex mb II T6 & ATEX II 2 D Ex tD A21 IP67 T80 °C
ATEX II 2 G Ex mb II T5 & ATEX II 2 D Ex tD A21 IP67 T100 °C

Change over	250V • 1A • 30VA
Normally open	250V • 2A • 60VA

Change over M 12x1 (-20 °C - 85 °C)	125V • 1,5A • 50VA ⁽²⁾
Normally open M 12x1 (-20 °C - 85 °C)	125V • 3A • 100VA

Change over SPS ⁽³⁾	250V • 1A • 60VA
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Ingress Protection:

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

IP67: 1 m sealed in cable, (with EEx-version 2 m)

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⁾ Minimum load 3 VA

⁽³⁾ Only with plug connection

Material

Brass version

Wetted parts:

Spring:	1.4571
Magnets:	Hard ferrite
Housing:	Brass nickel-plated

All other wetted parts: Brass

Stainless steel version

Wetted parts:

Spring:	1.4571
Magnets:	Hard ferrite
Housing:	1.4571

All other wetted parts: 1.4571

RVM/U-L2 0009 07-09 E M

