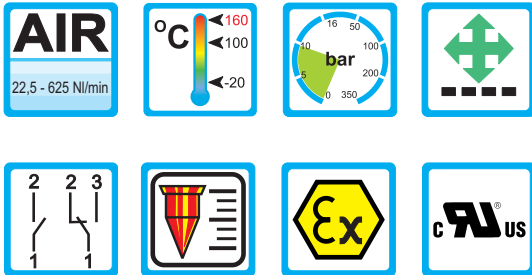


Flow Monitor Flow Indicator

RVO/U-L1



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 reliability
- High switch accuracy
- Infinitely variable switchpoint adjustment through user
- EX-version to ATEX available
- Scales are burned into the sight glass
- Threaded connection, special threads on request

Installation hints

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

Operating Data

Operating pressure max.	10 bar
Pressure drop	0,02 - 0,4 bar
Maximum temperature	100 °C (optional 160 °C)
Accuracy	±10 % of full scale

Measuring Ranges

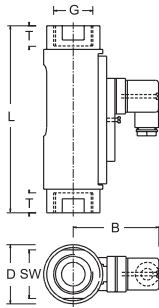
Type	Switch range Air at 1 bar abs. and 20 °C ⁽¹⁾		
	[NI/min]	[SCFH]	[SCFM]
RVO/U-L10080	22,5 - 80	48,0 - 170,0	
RVO/U-L10130	50 - 130	105,0 - 275,0	
RVO/U-L10420	130 - 420		4,6 - 14,8
RVO/U-L10625	200 - 625		7,0 - 22,0

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

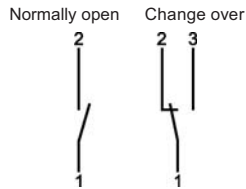


Technical Data

Mechanical drawing



Connection diagram



Summary of types

Type:	Overall dimensions [mm]							Weight (approx.) [g]
	SW	D	B	G	DN	T	L	
RVO/U-L10080								
RVO/U-L10130				3/4"	20		139	800
RVO/U-L10420	41	50	77	1"	25	18	158	900
RVO/U-L10625								

Electrical Data

Change over 250V • 1,5A • 50VA ⁽²⁾

Normally open 250V • 3A • 100VA

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) 250V • 1,5A • 50VA ⁽²⁾

Normally open M 12x1 (-20 °C - 85 °C) 250V • 3A • 100VA

Change over SPS 250V • 1A • 60VA

Ingress Protection:

IP65: plug connection DIN 43650 Form A

IP67: 1 m sealed in cable, (with EEx-version 2 m)
or plug connection M 12x1

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

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

