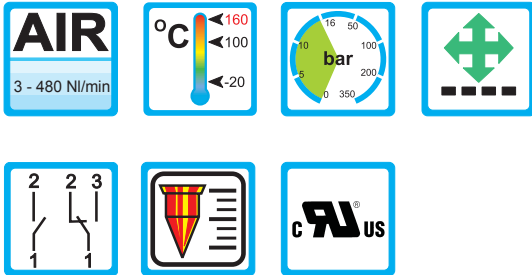


# Flow Monitor Flow Indicator

## RVO/U-L2



### 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
- Scales are burned into the sight glass
- Threaded connection, special threads on request

#### Installation hints

- The operating instructions for RVO/U-L must be observed!
- Download: [www.meister-flow.com](http://www.meister-flow.com)

### Operating Data

Operating pressure max.	16 bar
Pressure drop	0,02 - 0,3 bar
Maximum temperature	100 °C (optional 160 °C)
Accuracy	±10 % of full scale

### Measuring Ranges

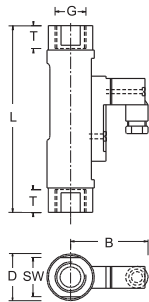
Type	Switch range for Air at 1 bar abs. and 20 °C <sup>(1)</sup>		
	[NI/min]	[SCFH]	[SCFM]
RVO/U-L20012	3 - 12	6,5 - 25,0	
RVO/U-L20030	7 - 30	15,0 - 64,0	
RVO/U-L20040	12 - 40	25,0 - 85,0	
RVO/U-L20080	20 - 80		0,7 - 2,8
RVO/U-L20125	28 - 125		1,0 - 4,4
RVO/U-L20200	50 - 200		1,8 - 7,0
RVO/U-2/15L	100 - 420		3,5 - 14,8
RVO/U-2/20L	120 - 480		4,2 - 17,0

RVO/U-L 2 0003 12-10 E M

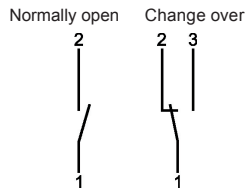


# Technical Data

## Mechanical drawing



## Connection diagram



## Summary of types

Type:	Overall dimensions [mm]							Weight (approx.) [g]
	SW	D	B	G	DN	T	L	
RVO/U-L20012								
RVO/U-L20030								
RVO/U-L20040								
RVO/U-L20080	27	32	53	1/2"	15	14	114	300
RVO/U-L20125								
RVO/U-L20200								
RVO/U-2/15L								
RVO/U-2/20L								

## Electrical Data

<b>Change over</b> <sup>(3)</sup>	250V • 1,5A • 50VA <sup>(2)</sup>
<b>Normally open</b>	230V • 3A • 60VA
<b>Change over M 12x1 (-20 °C - 85 °C)</b>	125V • 1,5A • 50VA <sup>(2)</sup>
<b>Normally open M 12x1 (-20 °C - 85 °C)</b>	125V • 3A • 60VA
<b>Change over SPS</b> <sup>(3)</sup>	250V • 1A • 60VA

### 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

<sup>(2)</sup> Minimum load 3 VA

<sup>(3)</sup> Only with plug connection

## Material

### Brass version

#### Wetted parts:

Sight glass:	Duran® 50
Spring:	1.4571
Gaskets:	NBR (optional FKM, EPDM) <sup>(4)</sup>
Magnets:	Hard ferrite
All other wetted parts	Brass nickel-plated

#### Non wetted parts:

Housing:	Aluminium anodized
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### Stainless steel version

#### Wetted parts:

Sight glass:	Duran® 50
Spring:	1.4571
Gaskets:	FKM (optional NBR, EPDM) <sup>(4)</sup>
Magnets:	Hard ferrite
All other wetted parts	1.4571

#### Non wetted parts:

Housing:	Aluminium anodized
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<sup>(4)</sup> Other gasket materials on request

