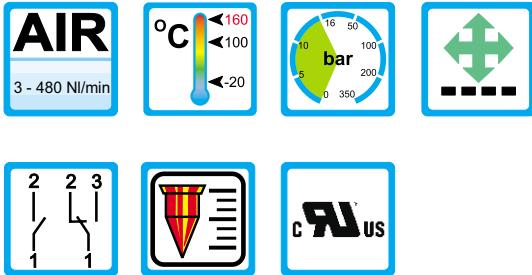


Flow Monitor Flow Indicator

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

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 ⁽¹⁾		
	[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-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

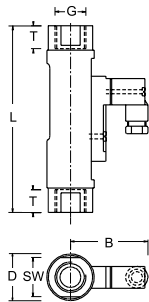
⁽¹⁾ The specified data are switch-off points. other switch ranges on request.

RVO/U-L 2 1 0002 06-09 E M

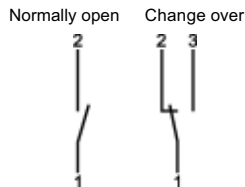


Technical Data

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-L20125	27	32	53	1/2"	15	14	114	300
RVO/U-L20200								
RVO/U-2/15L								
RVO/U-2/20L								

Electrical Data

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

⁽²⁾ Minimum load 3 VA

⁽³⁾ Only with plug connection

Material

Brass version

Wetted parts:

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

Non wetted parts:

Housing: Aluminium anodized

⁽⁴⁾ Other gasket materials on request