



**FUNCTION**

Liquid flow control for non aggressive liquid with small and medium quantity. The units cause a low pressure drop and present a high reliability.  
Alarm signal of flow shortage (safety switch).

**APPLICATIONS**

- Well-suited in:
- heating and air conditioning syst
  - refrigeration systems

TYPE	FITTING G	SETTING RANGE l/min H <sub>2</sub> O	MAX. FLOW RATE RECOMMENDED l/min H <sub>2</sub> O	PRESSURE LOSS (MAX FLOW RATE) bar	TOLERANCE ± % ES (*)
DB10MI	3/8"	5 - 6	10	0.01	15
DB15MI	1/2"	6 - 7	20	0.01	15
DB20MI	3/4"	7,5 - 11	40	0.01	15
DB20MI/1	3/4"	13 - 16	40	0.01	15
DB25MI	1"	19 - 24	60	0.01	15
DB32MI	1 1/4"	30 - 50	80	0.01	15
DB40MI	1 1/2"	50 - 60	100	0.01	15
DB50MI	2"	70 - 90	150	0.01	15

(\*) ES end of scale

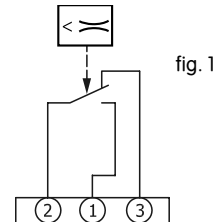
Note: the value indicated on schedule have been measured with the flow switch mounted on horizontal position.

**TECHNICAL DATA**

- Contacts:** dust-tight microswitch with SPDT contacts
- Switch capacity:** 5 A, 250 Vac
- Working fluid temp:** -20...+110 °C
- Max pressure:** 25 bar
- Differential:** min. 0,7 l/min
- Plug:** connector female DIN 43650-A
- Storage:** -20...+70 °C  
< 95% r.h.
- Housing:** ABS V0
- Body:** brass
- Paddle:** stainless steel
- Sealing:** NBR
- Protection:** IP65, class II
- Size:** 102 x 30 x 83...104 mm
- Weight:** see table

**WIRING DIAGRAM**

The microswitch contact "2" (common) and "1" (normally open) opens when the value drops below the set switch-off value. The contact "3" (normally closed) can be used as a signal contact (fig.1).



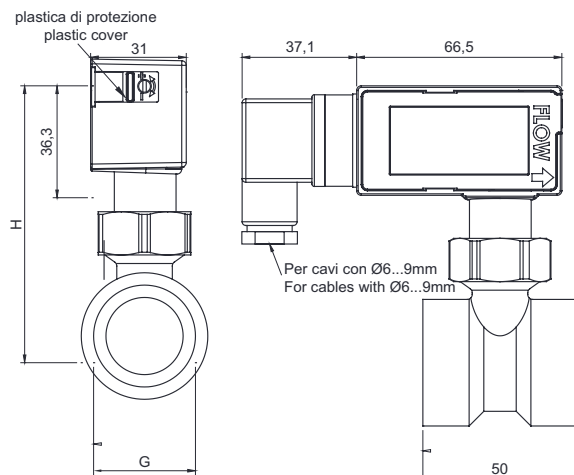
**FUNCTIONING**

The stainless steel paddle moves because of flow that is stronger than spring return. The end arm part is mounted on a primary magnet. It actuates a secondary magnet that is external to flow and is mounted on the microswitch contact lever.

**NOTE**

To adjust the setting range slide the plastic cover and operate onto the adjusting screw between the minimum and the maximum. During installation take care to the correct flow direction. A straight zone of at least five times the diameter must be provided upstream and downstream the location of installation.

**DIMENSIONS (mm)**



G	DN	H (mm)	WEIGHT (g)
3/8"	10	83	300
1/2"	15	83	300
3/4"	20	85	346
3/4"/1	20	88	350
1"	25	90	386
1 1/4"	32	92	518
1 1/2"	40	97	642
2"	50	104	990