

**VM Flow switches** are conceived as universal instruments for fluid and gas control in any industrial sector. The passing fluid vertically pushed a magnetic piston, housed inside a rugged valve body. The vertical movement is proportional to the flow rate. The piston magnetically activates a microswitch contained inside the adjustable electric head. The piston and flow



chamber are designed to guarantee a high functioning stability (0 - 100 cst.) as the fluid viscosity changes. To set the alarm value turn the electric head axially, referring to the diagram displayed on the instrument. The changeover contact may be both used as normally open and as normally closed.

## Use/Characteristics

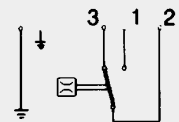
- ◆ Functioning stability, also with variable viscosity fluids.
- ◆ Hermetic separation between flow chamber and electric head.
- ◆ No restrictions on assembling position.
- ◆ Constant regulation of the set point value.
- ◆ Indifference to impurities, due to the valve type structure.

The instrument is normally used in industrial operations requiring the control of cooling or lubricating liquids, as well as for transformers, welders, machine tools etc.

Gas "	Type	H mm	L mm	Kg
1/4	VM 8 RI	166	67	1,2
3/8	VM 10 RI	166	67	1,2
1/2	VM 15 RI	166	67	1,3
3/4	VM 20 RI	166	73	1,5
1	VM 25 RI	166	87	1,6
1 1/4	VM 32 RI	178	98	2,1
1 1/2	VM 40 RI	178	114	2,8
2	VM 50 RI	186	138	4,1

Materials	VD..RI
Body	Bronze
Instrument	Brass OT58
Piston	Brass OT58
Spring	Stainless Steel 1.4310
Seals	BUNA.

**Electrical characteristics**  
 Change-over microswitch  
 250V a.c. 6A max.  
 Connector DIN 43650  
 Protection IP 44



Connections: female screwed

Gas thread	Type	max. P bar	max. t °C	max. Q l/min	Range l/min	Δp max. Q bar	Order n.
1/4	VM 8 RI	100	90	20	1 - 5	0,25	934000
3/8	VM 10 RI	100	90	25	3 - 12	0,25	934001
1/2	VM 15 RI	100	90	30	4 - 20	0,25	934002
3/4	VM 20 RI	16	90	40	10 - 40	0,25	934003
1	VM 25 RI	16	90	60	10 - 60	0,25	934004
1 1/4	VM 32 RI	16	90	100	20 - 100	0,25	934005
1 1/2	VM 40 RI	16	90	150	30 - 150	0,25	934006
2	VM 50 RI	16	90	250	50 - 250	0,25	934007

Precision ± 5% FS. (min. 0,5 l/min); Hysteresis 15%.

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