

Metallic flow controllers with sided indicator BMV



- Vertical mounting
- Flow indicator with 1 adjustable contact
- Material: Brass or AISI
- Pressure limit up to 300 bar
- Flow ranges within 0.1 ... 50 l/min

APPLICATIONS

- Control and indication of flow-rate in pipings (cooling, lubricating, etc.) or in any compatible skids.

DESCRIPTION

BMV series: to control and indicate the flow-rate in a vertical pipe with ascending flow; The liquid must be free of particles.

The solid-state body accepts high operating pressures. The liquid drives a magnetic diver inside a perforated tube (conical slots) which actuates an external analogue display on the side of device.

The magnetic coupling insures that indication can not be lost whatever the speed of rise of the diver.

At the same time, the magnetic diver actuates a N.O. contact (open without flow).

TECHNICAL FEATURES

Temperature limits	-20 ... +100 °C
Flow ranges	l/min of water at 20 °C
Accuracy	± 5 % F.S.
Switch	N.O. without flow
Protection	IP 65
Connection	DIN 43650 plug-in socket, cable gland PE 9
Indicator	Makrolon® and nickel-plated brass

Brass version

Pressure limit	200 bar
Pressure drop	0.02 ... 0.2 bar
Body	Nickel-plated brass
Fittings	Nickel-plated brass
Diver	Nickel-plated brass
Seals	NBR

Stainless steel version

Pressure limit	300 bar
Pressure drop	0.02 ... 0.2 bar
Body	AISI 316 Ti (1.4571)
Fittings	AISI 316 Ti (1.4571)
Diver	AISI 316 Ti (1.4571)
Seals	FPM

Other design: on request

EC Conformity: The instrument meets the legal requirements of the current European Directives.

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DEB

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SWITCHES FEATURES

The Reed contact is mounted in an housing sliding along the body for threshold adjustment; 2 screws fix safely the setting.
Housing IP 65 in plastic material; DIN 43650 plug-in socket, cable gland PG 9.

Standard supply: N.O. contact without flow

Rated: 250 V / 3 A / 100 VA

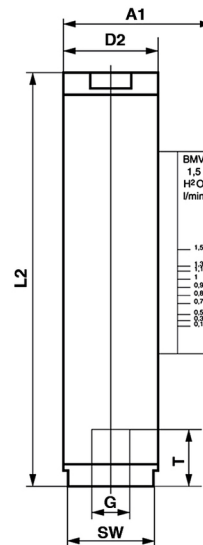
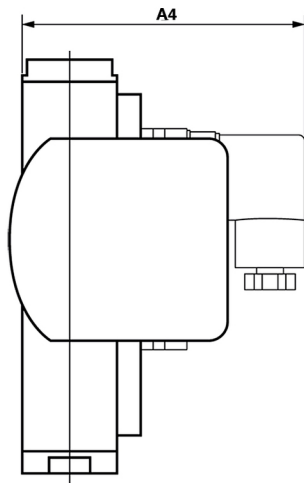
OPTIONS:

Changeover contact Rated: 250 V / 1.5 A / 50 VA (Min. load: 3 VA)

Contacts Ex 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
Ex N.O. contact without flow: Rated: 250 V / 2 A / 60 VA
Ex changeover contact: Rated 250 V / 1 A / 30 VA (Min. load 3 VA)

CODE NUMBERS, REFERENCES AND DIMENSIONS

Code		Reference	Flow rate [l/min]	Fittings BSPF G	Dimensions [mm]						Mass [g]
Brass	AISI 316				D2	A1	A4	T	L2	SW	
721 300	721 500	BMV - 1,5R	0,1...1,5	1/4"	30	47	88	10	131	27	850
721 310	721 510	BMV - 3R	0,2...3								
721 320	721 520	BMV - 8R	0,3...8								
721 330	721 530	BMV - 12R	1...12								
721 340	721 540	BMV - 18R	2...18	1/2"	30	47	88	14	146	27	850
721 345	721 545	BMV - 35R	3...35	3/4"	40	57	98	15	152	34	1 500
721 350	721 550	BMV - 50R	4...50	1"	40	57		17	156	40	1500



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