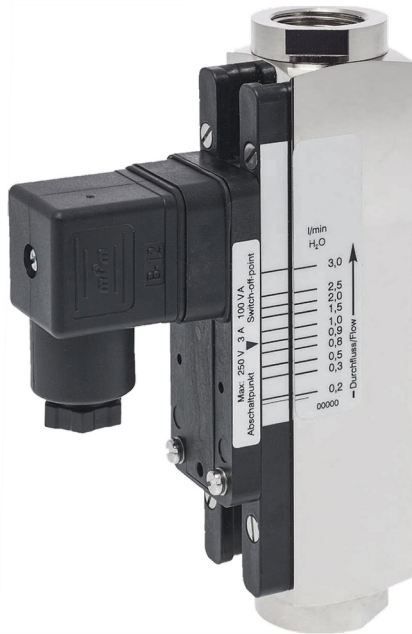


Metallic flow controllers BR



- Vertical mounting
- 1 adjustable contact
- Material: stainless steel or brass
- Pressure limit: up to 300 bar
- Flow ranges within 0.1 ... 50 l/min

APPLICATIONS

- Control of flow in cooling, lubricating piping systems or in any compatible skids.

DESCRIPTION

The BV series controls the flow-rate in a vertical pipe with ascending flow; Liquid must be free of particles.

These blind-type controllers accept high operating pressures. The fluid passing through the controller, from bottom to top, drives a diver with a built-in magnet which actuates an external Reed contact, adjustable all along the body. The cylindrical diver moves inside a tube perforated with conical slots. The setting of trigger point is possible over the entire measuring range.

The actual flow-rate can be greater than the high range without damaging the device (it results in a higher pressure drop).

These controllers must be installed far from any magnetic induction.

TECHNICAL FEATURES

Température limits	-20 ... +100 °C (On request: 160 °C)
Flow ranges	l/min (of water at 20 °C)
Accuracy	± 5 % F.S.
Contact type	N.O. (without flow)
Protection	Contact: IP 65
Connection	DIN 43650 plug-in socket, cable gland PE 9

Brass version

Pressure limit	200 bar
Body	Nickel-plated brass
Fittings	Nickel-plated brass
Diver	Nickel-plated brass
Seals	NBR (On request: FPM or EPDM)

Stainless steel version

Pressure limit	300 bar
Body	AISI 316 Ti (1.4571)
Fittings	AISI 316 Ti (1.4571)
Diver	AISI 316 Ti (1.4571)
Seals	FPM (On request: NBR or EPDM)

Other design: on request

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

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Metallic flow controllers
BR

DEB

720-02/1

26-11-2019

D-720.02-EN-AA

SWITCHES FEATURES

The Reed contact housing slides 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

OPTION: Change-over contact

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

OPTIONS: Contacts Ex in correspondance with ATEX directives

ATEX II 2 G Ex mb II T6 & ATEX II 2 D Ex tD A21 IP67 T80 °C

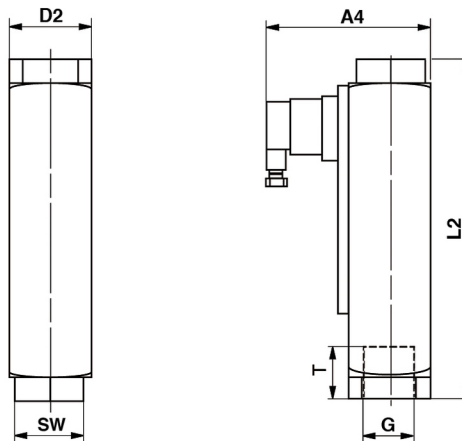
ATEX II 2 G Ex mb II T5 & ATEX II 2 D Ex tD A21 IP67 T100 °C

Version Ex, N.O. contact without flow: Max. 250 V / 2 A / 60 VA

Version Ex, Changeover contact: Max. 250 V / 1 A / 30 VA (Min. load: 3 VA)

CODE NUMBERS AND DIMENSIONS

Code		Reference	Flow rate [l/min]	Fitting BSPF G	Dimensions [mm]					Mass [g]
Brass	AISI 316				D2	L2	A4	T	SW	
720 300	720 500	BR - 1 R	0.1 ... 1.5	1/4"	30	131	88	10	27	800
720 310	720 510	BR - 3 R	0.2 ... 3.0							
720 320	720 520	BR - 6 R	0.3 ... 8.0							
720 330	720 530	BR - 12 R	1...12							
720 340	720 540	BR - 18 R	2...18	1/2"	30	146	88	14	27	800
720 345	720 545	BR - 35 R	3...35	3/4"	40	152	98	15	34	1 450
720 350	720 550	BR - 50 R	4...50	1"	40	156	98	17	40	1 450



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