

Flow controller with indicator, metallic DUM/A



- Operates in all positions
- Indicator, plus 1 adjustable contact
- Versions: Stainless steel or brass
- Pressure: up to 300 bar
- Flow ranges: 0.2 ... 250 l/min

APPLICATIONS

The DUM/A is designed for cooling piping monitoring, high pressure washing systems, dry run pump protection, etc.

DESCRIPTION

The DUM/A controls and visualizes the flow in a pipe of a liquid free of suspended particles.

Operation:

The liquid drives a magnetic orifice plate inside the cylindrical measuring tube. A spring balances its movement and allows to operate in all positions. An adjustable Reed contact changes of status with the passage of the magnetic orifice plate; which drives the pointer on indicator.

With these equipments, DKM/A operates independently of the pressure, even with low flow-rates.

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

TECHNICAL FEATURES

Temperature limits	-20 ... 100 °C (Option 160 °C)
Scale unit	l/min of water at 20 °C
Accuracy	±5 % F.S.
Pressure drop	0.02 ... 0.8 bar
Flow contact	N.O. without flow
Connector	DIN 43650 plug-in socket IP 65

Brass version

Pressure limit	200 bar
Body	Nickel-plated brass
Fittings, orifice plate	Brass
Spring	AISI 316 Ti (1.4571)
Seals	NBR
Indicator	Makrolon® / Nickel-plated brass

Stainless steel version

Pressure limit	300 bar
Body	AISI 316 Ti (1.4571)
Fittings, orifice plate	AISI 316 Ti (1.4571)
Spring	AISI 316 Ti (1.4571)
Seals	FPM
Indicator	Makrolon® / Nickel-plated brass

Other versions: On request

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

BAMO INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web www.bamo.eu

Fax +33 (0)1 34 10 16 05 E-mail export@bamo.fr

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D-725.03-EN-AA

DEB

725-03/1

SWITCH FEATURES

Adjustment: The housing slides along the body for threshold adjustment; 2 screws fix the setting safely.

Standard supply: N.O. contact without flow
250 V / 3 A / 100 VA

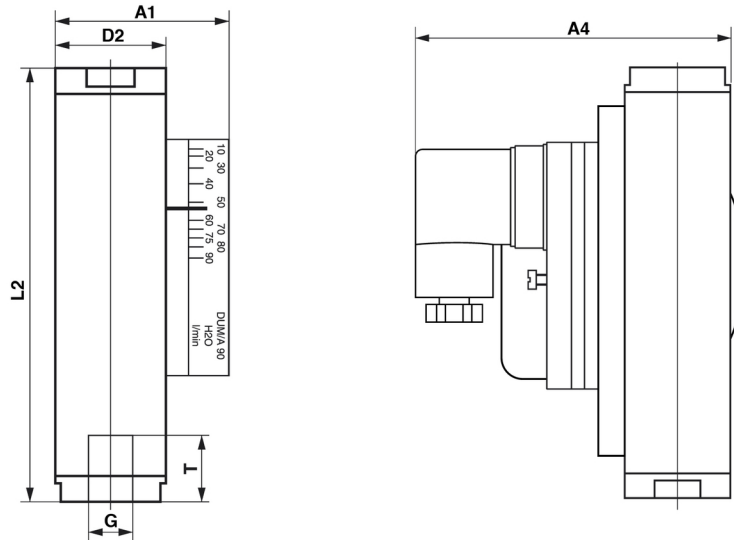
Option: Changeover contact
250 V / 1.5 A / 50 VA

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
N.O. contact: 250 V / 2 A / 60 VA ; Changeover contact: 250 V / 1 A / 30 VA

CODE NUMBERS - REFERENCES - DIMENSIONS

Code		Reference	Flow range [l/min]	Fittings, BSPF G	Dimensions [mm]						Mass [g]
Brass	AISI 316				D2	A1	L2	A4	T	SW	
725 700	725 800	DUM/A-4	0.2 ... 4.0	1/4"	30	47	131	88	10	27	900
725 707	725 807	DUM/A-5	0.6 ... 5.0								
725 709	725 809	DUM/A-8	0.5 ... 8.0								
725 720	725 820	DUM/A-14	1...14								
725 723	725 823	DUM/A-28	1...28								
725 726	725 826	DUM/A-40	2...40	1/2"	30	47	146	88	14	27	950
725 729	725 829	DUM/A-55	4...55								
725 731	725 831	DUM/A-70	1...70	1"	40	57	156	98	17	40	1 150
725 733	725 833	DUM/A-90	8...90								
725 735	725 835	DUM/A-110	5...110								
725 737	725 837	DUM/A-150	10...150	1 1/4"	50	67	200	108	20	50	2 800
725 739	725 839	DUM/A-220	35...220								3050
725 741	725 841	DUM/A-250	35...250	1 1/2"	60	70.8	200	116	20	60	3 850

On request, the models with fittings 1/4" are available with thread 1/2" (L = 135 mm; T = 14 mm)
The model DUG-80 1" is available in 3/4" (L = 163 mm; T = 15 mm)



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