

# Flow controller with indicator, metallic DUG



- Operates in all positions
- Indicator, plus 1 adjustable contact
- Versions: Stainless steel or brass
- Pressure up to 10 bar
- Flow range: 0.2 ... 250 l/min

## APPLICATIONS

- For flow monitoring in cooling circuit, pump protection, etc.

## DESCRIPTION

The DUG controls and visualizes the flow in a pipe of a fluid free of suspended particles.

### Operation:

The liquid drives a magnetic diver inside the cylindrical measuring tube. A spring balances its movement and allows to operate in all positions; The DUG series is convenient for fluids with a viscosity similar to water one. The flow-rate is directly read on the graduated glass tube.

## TECHNICAL FEATURES

Pressure limit	10 bar
Temperature limits:	-20 ... 100 °C (Option 160 ° C)
Scales 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
Hysteresis	About 1.5 mm
Connector	DIN 43650 plug-in socket IP 65

### Brass version

Body	Anodized aluminum
Fittings, diver	Nickel-plated brass
Spring	AISI 316 Ti (1.4571)
Seals	NBR
Measuring tube	Glass DURAN® 50

### Stainless steel version

Body	Anodized aluminum
Fittings, diver	AISI 316 Ti (1.4571)
Spring	AISI 316 Ti (1.4571)
Seals	FPM
Measuring tube	Glass DURAN® 50

*Other versions: On request*

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

**BAMO** INTERNATIONAL

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metallic  
**DUG**

06-12-2019

D-725.02-EN-AA

**DEB**

**725-02/1**

## 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

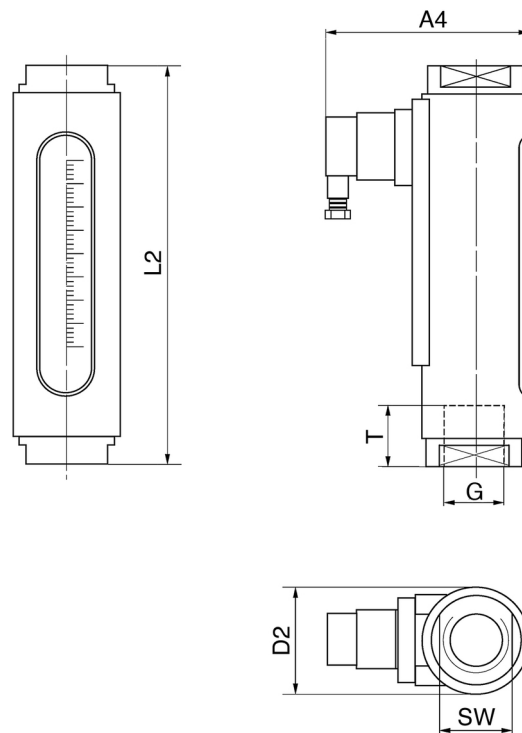
**Option: Changeover contact**  
250 V / 1.5 A / 50 VA

**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 AND DIMENSIONS

Code		Reference	Flow range [ l/min ]	Fittings; BSPF G	Dimensions [ mm ]					Mass [ g ]
Brass	AISI 316				D2	L2	A4	T	SW	
725 100	725 200	DUG-4	0.2 ... 4	1/4"	43	132	96	10	32	625
725 107	725 207	DUG-6	0.5 ... 6							
725 109	725 209	DUG-8	0.5 ... 8							
725 120	725 220	DUG-14	0.5 ... 14	1/2"	43	135	96	14	32	650
725 123	725 223	DUG-28	1...28							
725 126	725 226	DUG-45	1...45	3/4"	43	166	96	15	32	850
725 131	725 231	DUG-80	2...80							
725 133	725 233	DUG-90	6...90	1"	50	181	104	17	41	1 000
725 135	725 235	DUG-110	6...110							
725 137	725 237	DUG-150	15...150							
725 139	725 239	DUG-220	50...220	1 1/4"	55	222	109	20	50	1 300
725 141	725 241	DUG-250	50...250							

On request, the models with fittings 1/4" are available with thread 1/2" (L = 135 mm; T = 14 mm)  
Model DUG-80 (1" G) may be supplied with fittings 3/4" (L = 163 mm; T = 15 mm)



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