

Flow Monitor Flow Indicator

DWG-L



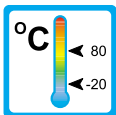
Operation

The flow monitors and indicators type DWG-L operate with the float measuring principle



Application

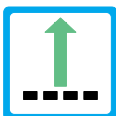
The flow monitors and indicators type DWG-L are used for indicating and monitoring volumeflow of gaseous media.



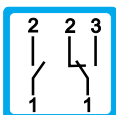
Areas of application for example:



– Coolingsystems and cooling-circuits



– Mechanical Engineering e.g. Weldingmachinery and Laserplants



– Medicine technology

– Pharma industry

– Chemical industry



– Research and development



Features

The DWG-L series proves itself through reliable function and easy handling. Further characteristics of this sturdy type are:

- high reliability
- high switch accuracy
- wide switch range
- infinitely variable switchpoint adjustment through user
- EX-version to ATEX available
- Scales are burned into the sightglass
- Threaded connections special threads on request

Installation hints

The instrument must be installed vertical in the system. The flow direction is from bottom to top.

The flow monitor must not be used as a supporting part in a pipeconstruction!

The medium must not contain any solid particles! We recommend the installation of strainer type SFD or SFM.

External magnetic fields influence the switch contact. Keep adequate distance to those magnetic fields (e.g. electromotors)!

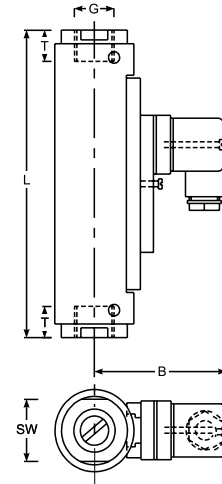
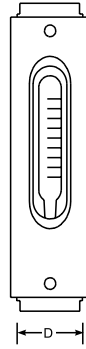
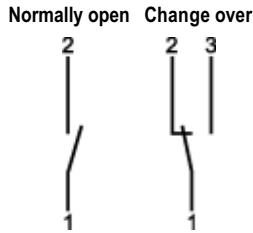
The operating instruction for DWG-L must be observed under any circumstances!

DWG-L 1 0001 05-04 E M



Measuring Ranges, Technical Data

Connection diagram



Summary of types DWG-L

Type	Switch range* NI/min Air	Overall dimensions mm							Weight approx. [g]
		SW	D	B	G	DN	T	L	
DWG-L1,5	3 - 30	32	43	73	1/4"	8	14	132	625
DWG-L3	6 - 60				3/8"				
DWG-L8	6 - 160				1/2"				
DWG-L12	20 - 220	1/2"	15	15	135				
DWG-L18	40 - 360	32	43	73	1/2"	15	15	163	650
					3/4"	20	16	167	
DWG-L35	60 - 700	41	50	76	3/4"	20	18	164	850
DWG-L50	60 - 825				1"				
DWG-L100	200 - 1600	41	50	76	1"	25	19	204	1100

* At 1 bar abs. and 20 °C, other media and/or working conditions on request

Operating data:		DWG-L	
Operating pressure:		PN 10 bar	
Pressure drop:		0,01 - 0,2 bar	
Maximum temperature:		80 °C	
Accuracy:		± 10% of final value	
Electrical data:		Normally open	Change over
IP 65 (plug connection DIN 43650)		max. 250V • 3A • 100VA	max. 250V • 1,5A • 50VA
IP 67 (with 1m sealed in cable)			
Atex II 2G EEx m II T6 (with 2m sealed in cable)		max. 250V • 2A • 60VA	max. 250V • 1A • 30VA
EEx m II T6 (with 2m sealed in cable)		max. 250V • 2A • 60VA	max. 250V • 1A • 30VA
EEx ia IIC T6 (with 2m sealed in cable)		max. 45V • 1A	max. 45V • 1A
Output signal:		The contact opens / changes, when the flow falls below the set point	
Powersupply:		Not required (potentialfree reed contacts)	
Other plug-types or cable length on request			
Material:		Brass	Stainless steel
Wetted parts:		Brass nickel-plated	1.4571
Float:	(wetted part)	Delrin	
Sight glass:	(wetted part)	Duran 50	
Gaskets:	(wetted part)	Perbunan (optional Viton, EPDM) *	Viton (optional Perbunan, EPDM) *
Housing:	(non wetted part)	Aluminium anodised	

* Other gasket materials on request

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