

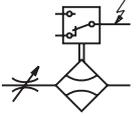


- Subject to modifications -



### Flowmeter

KUI-B



In line flowmeter with throttle and shut-off valve in block construction

### Application:

For oil circulation systems

- Serial mounting cramped
- optical and electrical monitoring of flow
- infinitely variable flow
- Electrical monitors are available in different switching bands
- Electrical monitors are available with LED

### Technical data:

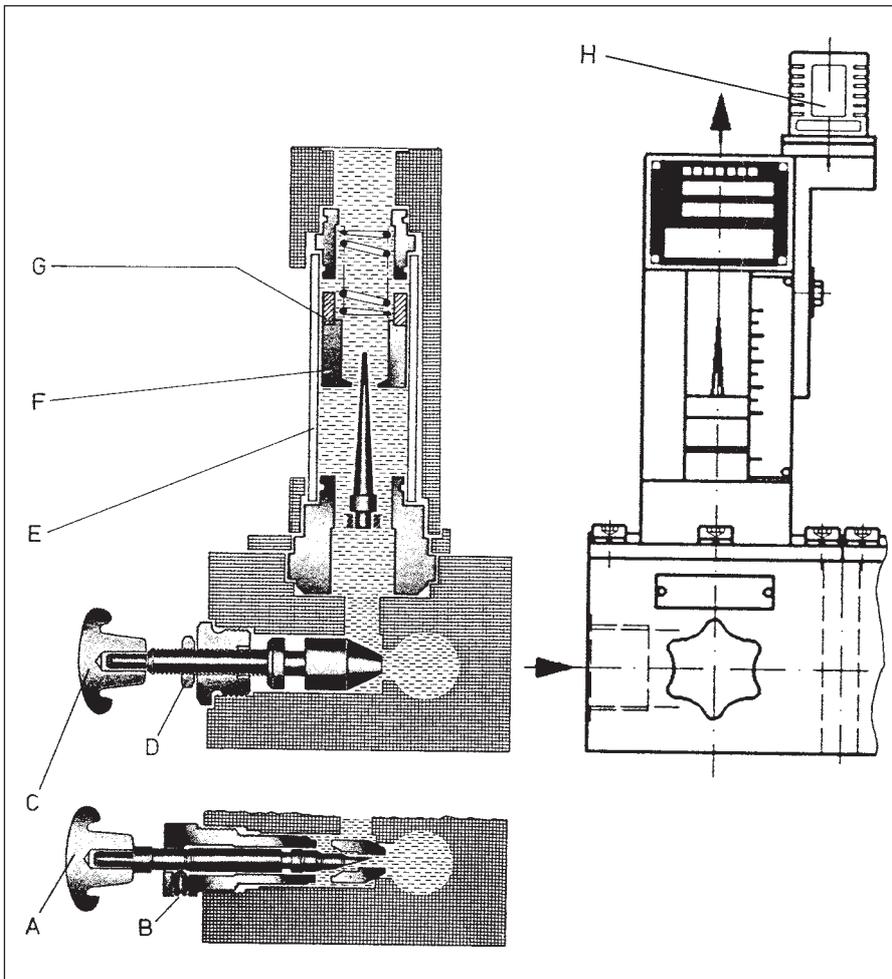
Operating pressure:	max. 16 bar
Temperature range:	-10 ... +90 °C
Mounting position:	vertical ±5 °
Materials:	Al and CuZn
Viewing tube:	Glass
Gasket material:	FPM (Viton)

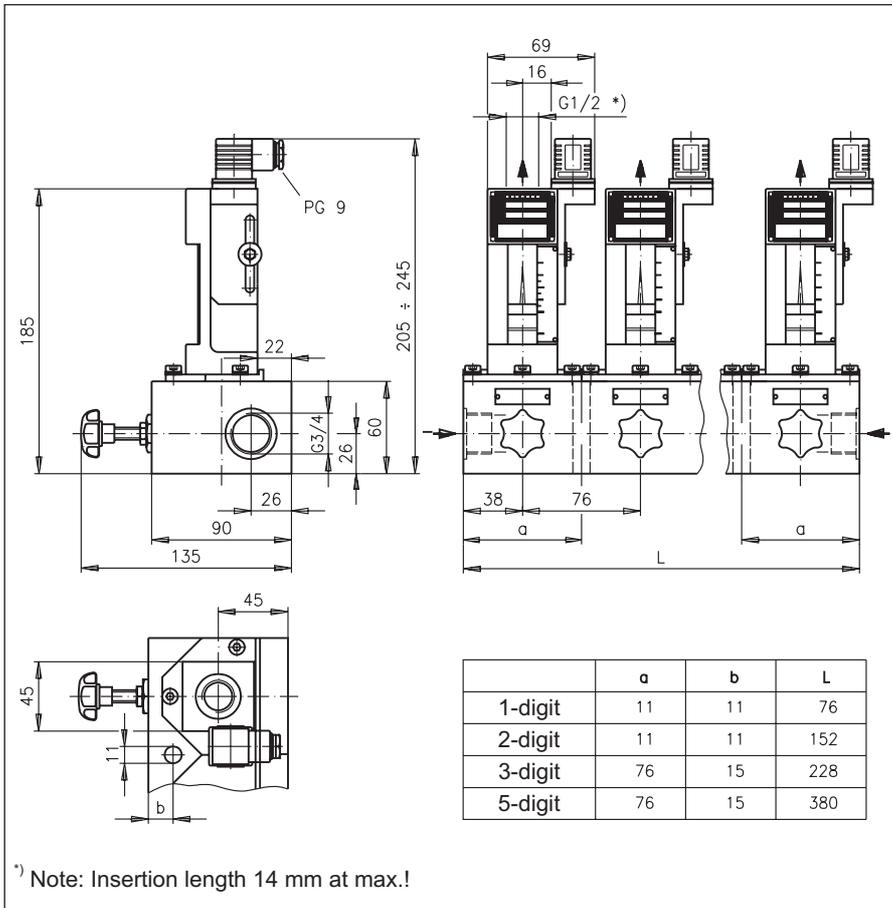
### Instruction to functional drawing:

- A = Fine throttle (size 01 ... 10)
- B = Fixing screw
- C = Throttle (size 25 ... 200)
- D = Lock-nut
- E = Cylindrical glass tube
- F = Float
- G = Magnet
- H = Electrical elements

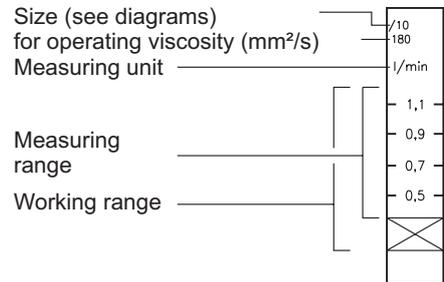
### Functional description:

In a cylindrical glass tube "E" a float "F" moves. At a given flow rate the float "F" will find a level in the glass tube and an optical reading can be obtained. The position of the float can also be monitored by different electrical elements "H".  
In the block a throttle valve "A" resp. "C" is related to each flowmeter for adjusting or





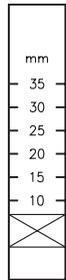
**Display scale** (A) (B) (C)



Within the working range the float with its ring marking can move.  
The volume flow meter should be chosen so that during normal operation the float with its marking ring will remain within the measuring range (accuracy of indication).

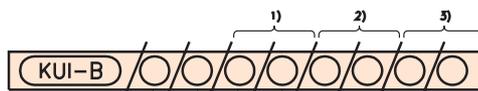
**Display scale** (M)

Special scales available upon request (e.g. measuring unit pt/min)



- Subject to modifications -

**Order-designation:** Flowmeter



Throttle block	Display scale	Size <sup>1)</sup>	electrical monitoring	
1-digit (1)	for operating viscosity 130 mm <sup>2</sup> /s	(01)	without LED indication	Switching band
2-digit (2)	(A)	(02)		
3-digit (3)	for operating viscosity 46 mm <sup>2</sup> /s	(03)		
5-digit (5)	(B)	(05)	with LED-A indication	Switching band
without throttle block one volume flow meter only (spare part) (0)	for operating viscosity 180 mm <sup>2</sup> /s	(10)		
	Scale with spacing in mm	(25)		
	(C)	(40)		
	(M)	(70)		
more digits by request	without display scale (for special scales)	(100)	with LED-B indication	Switching band
	(O)	(200)		
	Digit not including volume flow meter and throttle (L)	(0)		
			without	(0)

**Ordering-example:**

Throttle block 5-digit  
Display scales for an operating viscosity of 130 mm<sup>2</sup>/s

- Digit 1 + 2                    Size (10)
- Digit 3 + 4                    Size (25)
- Digit 5                         Size (100)

Electric monitoring:  
Digit 1 with LED-B ultralong  
Digit 2 without monitoring  
Digit 3 with LED-B ultralong  
Digit 4 with LED-B ultralong  
Digit 5 with LED-B ultralong

**Order-designation:**

KUI-B/5/A/10/UB/10/0/25/UB/25/UB/100/UB

- 1) = outer left digit
- 2) = second digit from the left etc.
- S) = Special version, not a stock item

<sup>1)</sup> Size is roughly corresponding to the tenfold volume flow at a float height of approx. 20 mm and an operating viscosity of 130 mm<sup>2</sup>/s

Spare-part list see leaflet-no. 9561