

## Variable Area Flow Meter/Monitor Model FG



- ◆ Measuring Range:  
0.4-1.6 to 10-100 L/min
- ◆ Pressure: max. 10 bar
- ◆ Temperature: max. 100°C
- ◆ Accuracy:  $\pm 5\%$  f. s.
- ◆ Material:  
Brass or Stainless Steel
- ◆ Connection:  
G  $\frac{1}{4}$ ...G 1(female)

**Cost Effective  
Measurement Technology**

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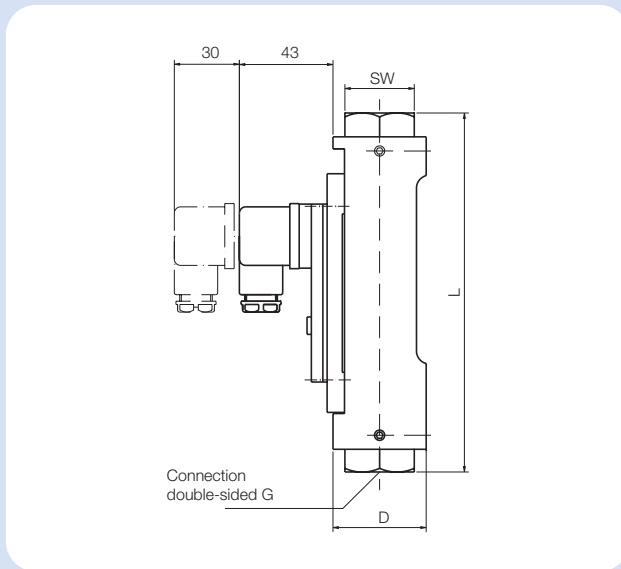
## Variable Area Flow Meter/Monitor Model FG

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### Description

INTERIN flow meters/monitors of model FG work on float-principle. However, they do not employ an extended conical measuring-tube. Instead, a cylindrical float is used along with a conically-slotted nozzle. This technique permits a compact construction of the device and offers considerable advantages in performance.

### Dimensions



### Technical Details

Housing:	Aluminium, anodized
Connections:	FG-11...: Ms 58 FG-12...: 1.4301
Float:	FG-11...: Ms 58 FG-12...: 1.4301
Nozzle:	FG-11...: Ms 58 FG-12...: 1.3955
Measuring tube:	Duran 50 (Borosilicate glass)
Sealing:	FG-11...: NBR FG-12...: FPM
Max. temperature:	100 °C
Max. pressure:	10 bar
Mounting position:	vertical, flow rate from below
Contact type:	1 N/O contact, adjustable from 10 to 90% of meas. value
Electr. connection:	Plug DIN 43 650 N/O contact: 2-pole changeover contact : 3-pole
Switching capacity:	max. 240 V <sub>AC</sub> / max. 100 VA / max. 1.5 A
Accuracy:	± 5 % f. s.
Repeatability:	≤ 1 %

Model	HEX	G	L [mm]	D [mm]	Weight [kg]
FG-1x01	32	G 1/4 (G 1/2)	135	43	0.68 (0.62)
FG-1x02	32	G 1/4 (G 1/2)	135	43	0.66 (0.60)
FG-1x06	32	G 1/4 (G 1/2)	135	43	0.62 (0.56)
FG-1x10	32	G 1/4 (G 1/2)	135	43	0.64 (0.58)
FG-1x16	32	G 1/2 (G 3/4)	164	43	0.72 (0.66)
FG-1x35	41	G 3/4 (G 1)	163 (174)	48	0.96 (0.98)
FG-1x50	41	G 3/4 (G 1)	163 (174)	48	0.96 (0.98)
FG-1x1H	41	G 1	204	48	1.45

### Applications

- ◆ Lubricant circuits
- ◆ Paper manufacturing
- ◆ Machine-tools
- ◆ Glass-melting tanks
- ◆ Cooling circuits
- ◆ Welding machines
- ◆ Induction furnaces
- ◆ Pumps

### Order Details (Example: FG-1101G2)

Meas. Range L/min H <sub>2</sub> O	Connection* female	Brass Version	Stainless Steel Version
		Order No.	Order No.
0.4 - 1.6	G 1/4 or G 1/2	FG-1101	FG-1201
0.6 - 2.6	G 1/4 or G 1/2	FG-1102	FG-1202
1 - 6	G 1/4 or G 1/2	FG-1106	FG-1206
2 - 10	G 1/4 or G 1/2	FG-1110	FG-1210
2 - 16	G 1/2 or G 3/4	FG-1116	FG-1216
3 - 35	G 3/4 or G 1	FG-1135	FG-1235
5 - 50	G 3/4 or G 1	FG-1150	FG-1250
10 - 100	G 1	FG-111H	FG-121H

\* Please add the appropriate **Connection code (G2=G 1/4; G4=G 1/2; G5=G 3/4; G6=G 1)** at the end of Order No..