

All-Metal Flow Meter/Monitor Model FS



- ◆ Measuring Range:
0.15-1..7...3.5-50 L/h
Water
- ◆ Pressure: max. 350 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**

INTERIN GmbH
Nordring 24
D-65719 Hofheim/Ts.
Tel: +49 (0)6192 958 612-70
Fax: +49 (0)6192 958 612-99
E-Mail: info@interin.de
Internet: www.interin.de

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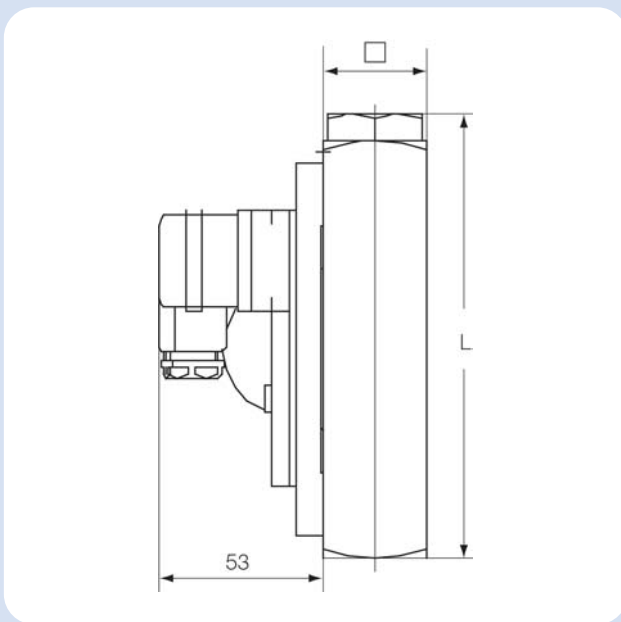
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Description

INTERIN flow meters/monitors of model FS operate on suspended-float principle. However, they do not use the upward extended conical measuring-tube. Instead, they use a cylindrical float and a conically slotted nozzle. This technique permits a systematic and compact construction and considerable advantages.

The flow can be read on a magnetically guided pointer display.

Dimensions



Applications

- ◆ Lubrication circuits
- ◆ Paper manufacturing
- ◆ Machine-tools
- ◆ Glass-melting baths
- ◆ Cooling circuits
- ◆ Welding machines
- ◆ Induction heating
- ◆ Pumps

Technical Details

Housing:	FS-31...: Brass, Ms 58, nickel-plated
	FS-32...: Stainless steel, 1.4301
Connections:	FS-31...: Brass, Ms 58, nickel-plated
	FS-32...: Stainless steel, 1.4301
Slotted nozzle:	FS-3102, FS-3107, FS-3120, FS-3150: Brass, Ms 58
	other: Stainless steel, 1.4301
Nozzle:	FS-31...: Brass, Ms 58, nickel-plated
	FS-32...: Stainless steel, 1.3955
Sealing:	FS-31...: NBR
	FS-32...: FPM
Max. temperature:	100°C
Max. pressure:	FS-31...: 250 bar
	FS-32...: 350 bar
Mounting position:	Vertical, flow from below
Contact type:	1 N/O contact adjustable from 10 to 90% f. s.
Electr. connection:	Plug DIN 43 650
	Switch: 2-pole
Switch capacity:	max. 240 V _{AC} / max. 100 VA / max. 1.5 A
Accuracy:	± 5% f. s.
Repeatability:	≤ 1%

Model	Square (mm)	Thread G	L (mm)	Weight (kg)
FS-..02	30 x 30	1/4 (1/2)	132 (136)	0.9
FS-..04	30 x 30	1/4 (1/2)	132 (136)	0.9
FS-..07	30 x 30	1/4 (1/2)	132 (136)	0.9
FS-..9	30 x 30	1/4 (1/2)	132 (136)	0.9
FS-..14	30 x 30	1/4 (1/2)	132 (136)	0.9
FS-..20	30 x 30	1/4 (1/2)	132 (136)	0.9
FS-..50	40 x 40	3/4 (1)	156 (150)	1.7

Order Details (Example: FS-3102G2)

Meas. Range L/min H ₂ O	Connection* female	Pressure Loss (bar) at Q _{nenn} *	Version Brass Order No.	Version Stainless Steel Order No.
0.15 - 1.7	G 1/4 or G 1/2	0.04	FS-3102..	FS-3202..
1 - 4.5	G 1/4 or G 1/2	0.04	FS-3104..	FS-3204..
1 - 7	G 1/4 or G 1/2	0.11	FS-3107..	FS-3207..
1 - 9	G 1/4 or G 1/2	0.12	FS-3109..	FS-3209..
2 - 14	G 1/4 or G 1/2	0.18	FS-3114..	FS-3214..
2.5 - 20	G 1/4 or G 1/2	0.06	FS-3120..	FS-3220..
3.5 - 50	G 3/4 or G 1	0.4	FS-3150..	FS-3250..

*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.