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DIGMESA NANO INOX - THE NEW SMALL LIQUID FLOW SENSING SOLUTION

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A WORLD OF FLOW

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More than 30 years ago, Heinz Plüss, founder of Digmesa, was the first to introduce a flow meter to control the water flow in professional coffee machines.

This product was the FH series flowmeter which built the foundation for a successful international company specialized in flow measurement for liquids, with many products to follow.

Nozzle	Flow Range	pulses / liter without pulse divider	pulses / liter with pulse divider
1.0 mm	~ 0.035 - 0.4 l/min	~ 39'900	~ 2'494
1.2 mm	~ 0.05 - 0.5 l/min	~ 31'100	~ 1'944
1.4 mm	~ 0.06 - 0.7 l/min	~ 23'040	~ 1'440

Nozzle	Flow Range	Frequency range without pulse divider	Frequency range with pulse divider
1.0 mm	~ 0.035 - 0.4 l/min	~ 23 - 270 Hz	~ 1.4 - 17 Hz
1.2 mm	~ 0.05 - 0.5 l/min	~ 26 - 270 Hz	~ 1.6 - 17 Hz
1.4 mm	~ 0.06 - 0.7 l/min	~ 23 - 270 Hz	~ 1.45 - 17 Hz

Accuracy

+ / - 2% (of reading)

Pressure and Temperature

max. Pressure: 20 bar

max. Temperature: 100° C

Electrical Connection

Output Signal: open collector NPN pulse

Power Supply: 2.8 - 24.0 VDC

Material

Housing: Inox 1.4401 / AISI 316

Nozzle: PEEK

Turbine: PVDF 1M (wetted)

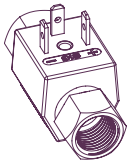
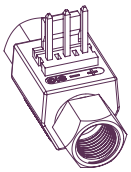
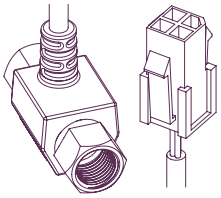
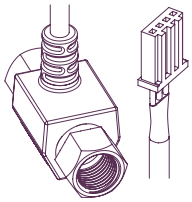
Approvals

LFGB (EU 1935/2004, EU 10/2011), CE

Today, Digmesa engineers have taken a new approach to the same problem. They took his original design and evolved it to the next level with the goal in mind to develop a very cost-effective sensor device without sacrificing the quality of the proven FH.

With this core foundation, these engineers developed the new nano. With its solid and yet very compact inox housing and sealed electronics, this device is perfectly tailored to fulfill the highest demands of the professional coffee machine manufacturers.

Process Connection	
2x G 1/8" BSP f/f	STD

El. Connection	
3-pin 2.8 x 0.5 mm (valve connector compatible) 	STD
3.96 mm straight header (MTA - 156) 	•
Cable with Connector (Molex mini Fit, cable length <26 cm) 	•
Cable with Connector (AMPMODU II, cable length <24 cm) 	•

Electrical Options	
Resistor 1.2 kOhm	•
Pulse divider 1:16	STD
Without pulse divider 1:16	•

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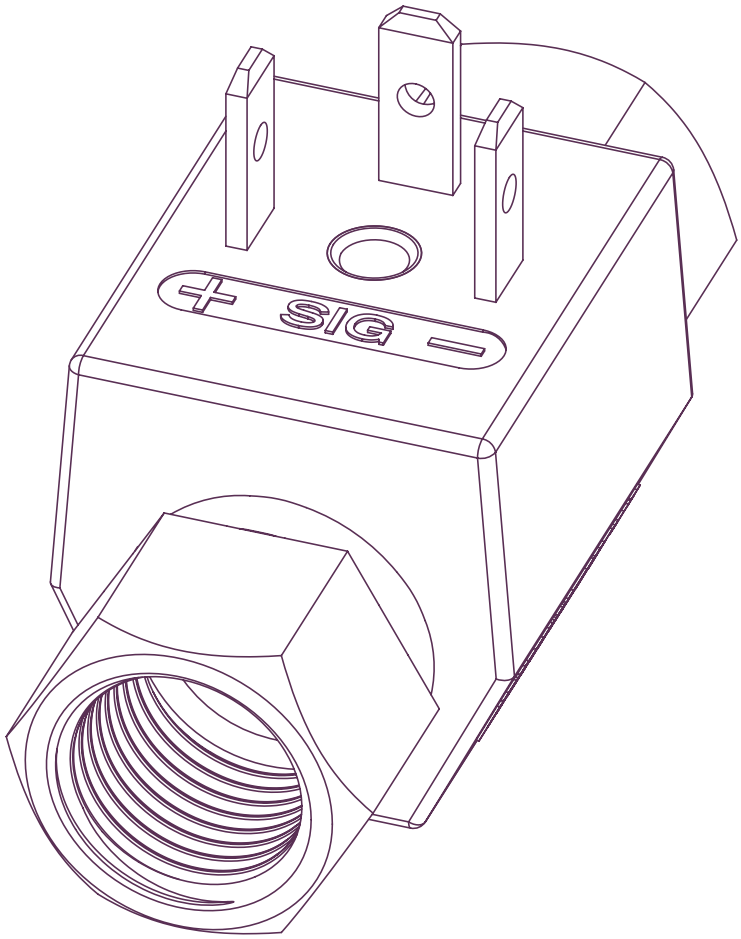
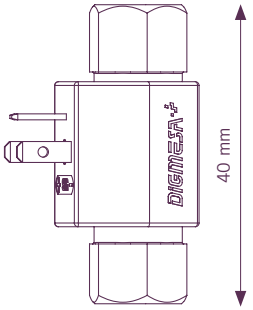
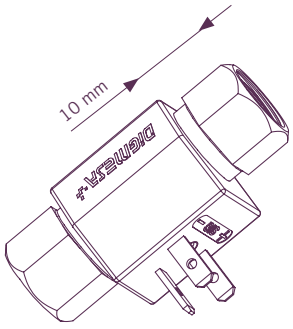
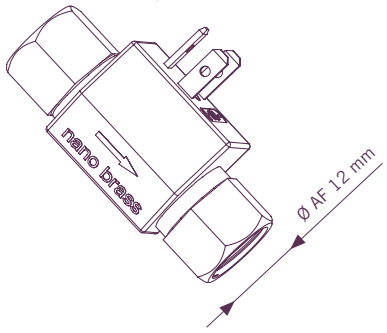
- compact and lightweight design
- freely selectable mounting position
- inox 1.4401 / AISI 316
- cost effective
- high accuracy and reliability
- easy and cost-effective shipping and storage
- food approved (LFGB (EU 1935/2004, 10 / 2011)
- Swiss quality precision manufactured









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DESIGN NUNLOS.CH

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All measurements have been taken under ideal laboratory conditions.