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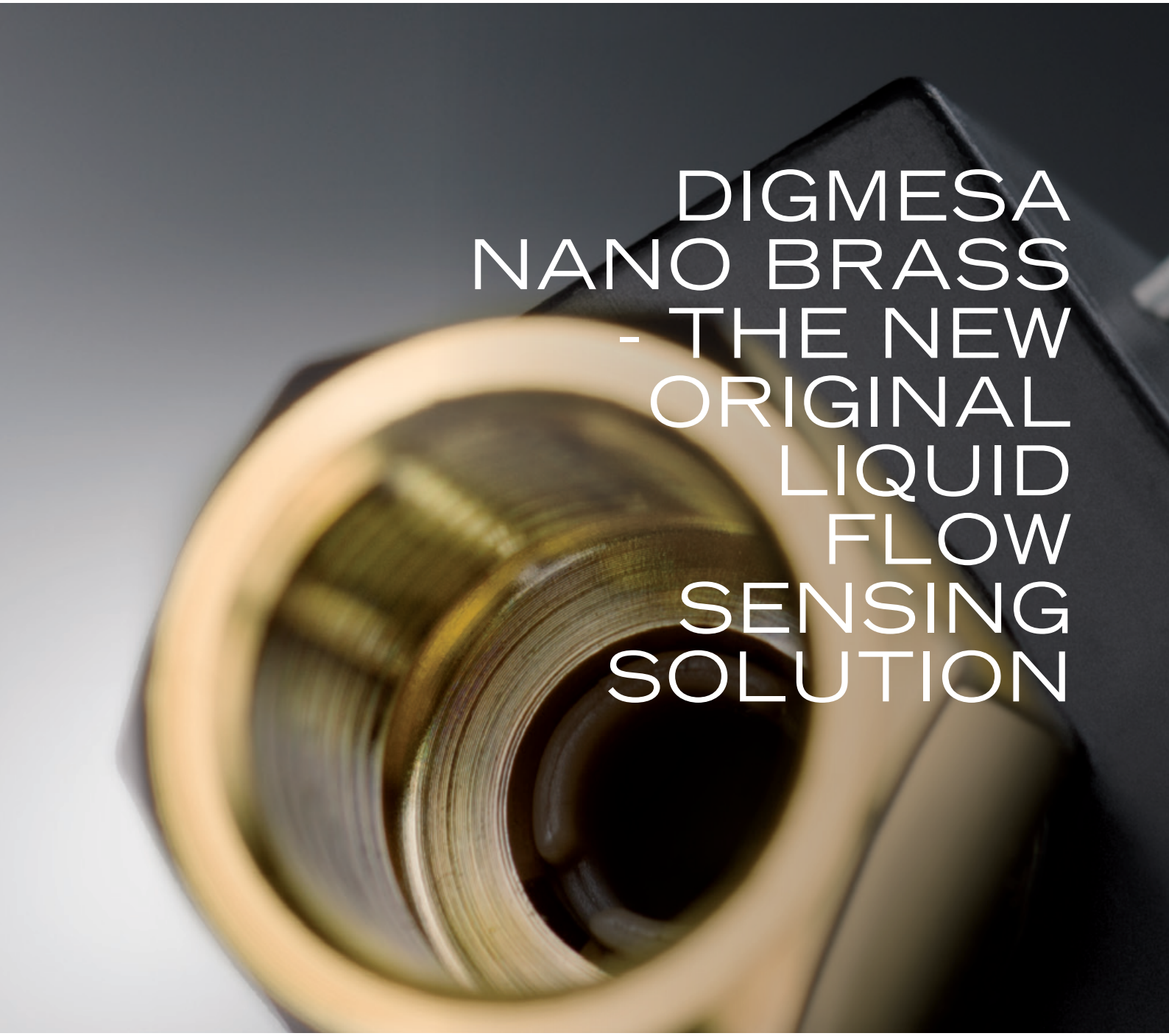

DIGMESA NANO BRASS - THE NEW ORIGINAL LIQUID FLOW SENSING SOLUTION

DIGMESA

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: Brass (low-lead brass, uncoated) (CW510L)

Nozzle: PEEK

Turbine: PVDF 1M (wetted)

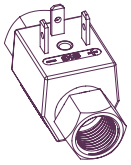
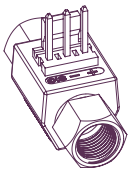
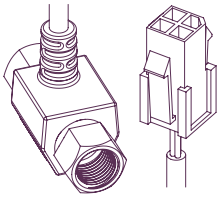
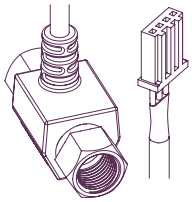
Approvals

NSF, 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 brass. With its solid and yet very compact lead-free brass 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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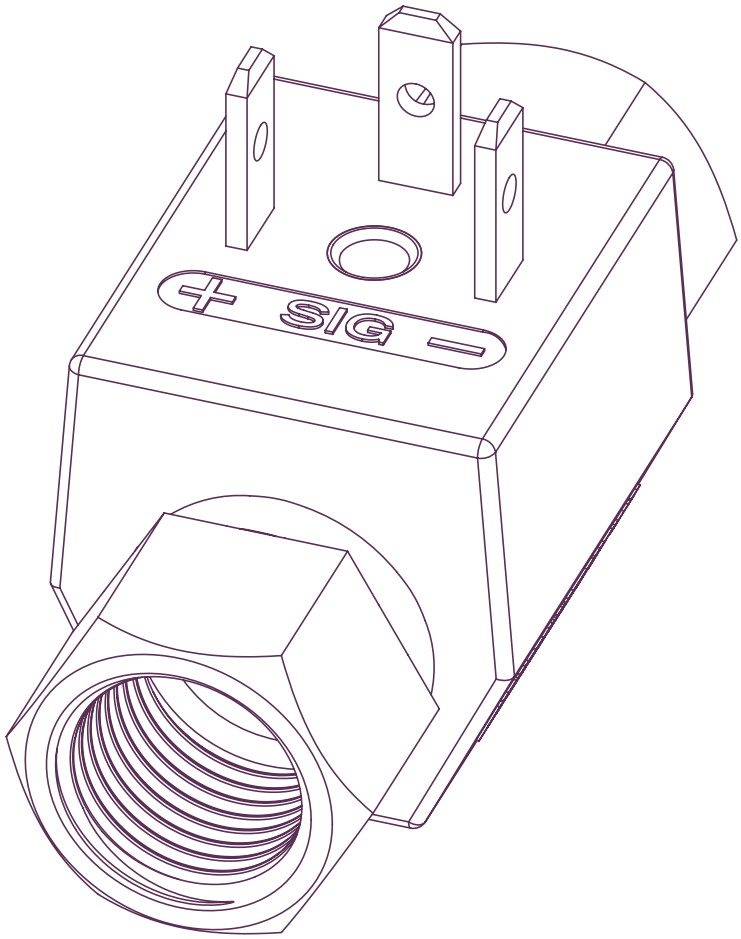
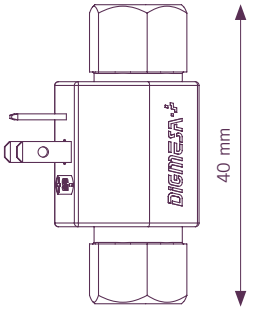
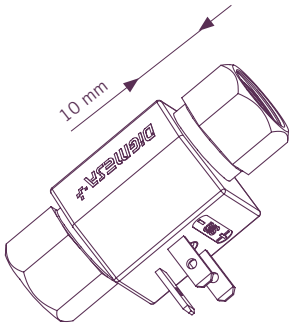
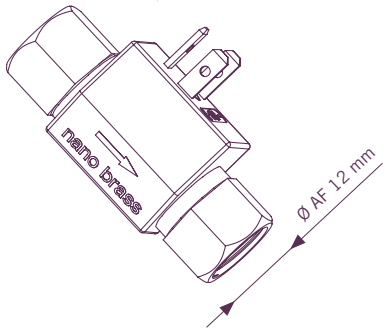
- compact and lightweight design
- freely selectable mounting position
- low-lead brass, uncoated
- cost effective
- high accuracy and reliability
- easy and cost-effective shipping and storage
- food approved (NSF 169, LFGB (EU 1935/2004, 10 / 2011)
- Swiss quality precision manufactured









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DESIGN NUNLOS.CH

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All measurements have been taken under ideal laboratory conditions.