

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2005
Registration number: **K 161**

of **Euroloop B.V.**

This annex is valid from: **26-10-2016** to **01-01-2021**

Replaces annex dated: **03-12-2015**

Location(s) where activities are performed under accreditation

Head Office

Petroleumweg 36
3196 KD
Vondelingenplaat Rotterdam
The Netherlands

Location	Abbreviation/ location code
<u>Main location</u> Petroleumweg 36 3196 KD Vondelingenplaat Rotterdam The Netherlands	RDM

HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
FG 1 0	Gas Flow				RDM
FG 1 1	Gas flow rate			Volume flow rate [m ³ /h] at actual conditions Mass flow rate [kg/h]	RDM
FG 1 2	Flow transducers			Gasmeters and Dp devices	RDM

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas
Director of Operations

of **Euroloop B.V.**

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HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
VG 1 0	Volume of flowing gases			Unlimited volume [m ³] Unlimited mass [kg]	RDM
		500 m ³ /h – 30 000 m ³ /h 430 · P _a /P ₀ kg/h – 26 000 · P _a /P ₀ kg/h	0,17% – 0,22% 0,20% – 0,25%	Pressure range (4,9 – 6,3) MPa absolute pressure P _a P ₀ = 0,1 MPa	
		500 m ³ /h – 30 000 m ³ /h 430 · P _a /P ₀ kg/h – 26 000 · P _a /P ₀ kg/h	0,28% – 0,45% 0,30% – 0,46%	Pressure range (0,9 – 4,9) MPa absolute pressure P _a P ₀ = 0,1 MPa	
		20 m ³ /h – 500 m ³ /h 17 · P _a /P ₀ kg/h – 430 · P _a /P ₀ kg/h	0,30% – 0,85% 0,32% – 0,86%	Pressure range (0,9 – 6,3) MPa absolute pressure P _a P ₀ = 0,1 MPa	
FG 1 2	Flow transducers	0 m/s – 1 200 m/s	0,12%	Speed of sound calibration of ultrasonic gas meter Comparison of speed of sound with equation of state at (0,1 – 70) MPa absolute pressure Natural gas, nitrogen, air	RDM
FG 1 0	Gas Flow			On-site	RDM
FG 1 1	Gas flow rate			Volume flow rate [m ³ /h] at actual conditions	RDM
FG 1 2	Flow transducers			Gasmeters and Dp devices	RDM
VG 1 0	Volume of flowing gases			Unlimited volume [m ³]	RDM
		5 m ³ /h – 10 000 m ³ /h	0,18% – 0,23%	Pressure Range (0,85 – 0,95) MPa absolute pressure	RDM

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HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
FL 1 0	Flow of liquids				R
FL 1 1	Liquid flow rate			Volume flow rate [m ³ /h] at actual conditions Mass flow rate [kg/h]	R
FL 1 2	Flow transducers			Liquid flowmeters and Dp devices	R
VL 1 0	Volume of flowing liquids			Unlimited volume [m ³] Unlimited mass [kg]	R
		10 m ³ /h – 1 200 m ³ /h 7·10 ³ kg/h – 840·10 ³ kg/h	0,02% piston prover 0,06% master meter 0,04% piston prover 0,07% master meter	Liquids 1, 10 and 100 mm ² /s kinematic viscosity Maximum back pressure 10 bar gauge	
		30 m ³ /h – 5 000 m ³ /h 49·10 ³ kg/h – 3 500·10 ³ kg/h	0,02% piston prover 0,06% master meter 0,04% piston prover 0,07% master meter	Liquids 1, 10 and 100 mm ² /s kinematic viscosity Maximum back pressure 10 bar gauge	