OIML Certificate

OIML Member State
The Netherlands

Number R 139/2014-B-NL1-18.02
Project number 1901616

Issuing authority Person responsible:	NMi Certin B.V. C. Oosterman
Applicant and Manufacturer	Gilbarco GmbH Ferdinand-Henze-Strasse 9 D-33154 Salzkotten Germany
Identification of the certified type	A **Measuring System for compressed gaseous fuel** Type: SK700-2/CNG (c-frame version or H-frame)
Characteristics	See page 2 and further

This OIML Certificate is issued under scheme B

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 139-1 (2014) "Compressed gaseous fuel measuring systems for vehicles"

Accuracy class 1,5

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
30 July 2018

C. Oosterman
Head Certification Board

NMi Certin B.V.
Hugo de Grootplein 1
3314 EG Dordrecht
the Netherlands
T +31 78 6332332
certin@nmi.nl
www.nmi.nl

OIML Member State
The Netherlands

Number R 139/2014-B-NL1-18.02
Project number 1901616

Characteristics of the measuring instrument
In Table 1 the general characteristics of the measuring instrument are presented.
The construction of the measuring instrument is recorded in the Documentation folder no. T8939-1.

Table 1 General characteristics

Minimum – maximum flow rate	0,8 – 80 kg/min;
Minimum measured quantity	5 kg for car applications 10 kg for truck applications
Maximum pressure	300 bar
Accuracy class	1,5
Environmental classes	M1 / E2
Ambient temperature range	-25 – +55 °C; -40 – +55 °C (with heater)
Product temperature range	-50 – +80 °C
Intended for the measurement of	Compressed Natural Gas
Power supply voltage	230 V AC; 50/60 Hz
Software identification	Version number: A30203. Checksum: 9C99

Each measuring instrument consists at least of:
- One measurement transducer (meter);
- One calculating/indicating device (calculator).

The characteristics of the mentioned parts of the dispenser are presented at table 3 and higher.

The same housing of the dispenser can comprise of one or more measuring systems. When more than one measuring systems are in one housing, one calculating/indicating device may be a common part of the measuring systems.

Production location

The CNG dispenser is produced at the following production location:

- Gilbarco GmbH, Ferdinand-Henze-Strasse 9, D-33154,Salzkotten.

OIML Certificate

OIML Member State
The Netherlands

Number R 139/2014-B-NL1-18.02
Project number 1901616

Parts of the measuring instrument

The conformity of the following parts was established by the results of tests and examinations provided in the associated report(s):

Part:	Measurement transducer
Producer:	Endress+Hauser
Type:	CNGmass
Documentation folder:	TC10997-1
Reports:	NMi-16200831-01

Table 2 General characteristics of the measurement transducer type CNGmass

Flow rate range [L/min]	0,8 – 80 kg/min
MMQ	1 kg
Maximum pressure	350 bar
Environmental classes	M2 / E2
Ambient temperature range	-40 °C / +55 °C
Product temperature range	-50 °C / +125 °C
Intended for the measurement of	Compressed Natural Gas
Communication	Modbus

OIML Certificate

OIML Member State
The Netherlands

Number R 139/2014-B-NL1-18.02
Project number 1901616

Part:	Calculating/indicating device
Producer:	Gilbarco GmbH
Type:	Sandpiper-Apollo or Apollo
Documentation folder:	TC8938-1
Reports:	No. NMi-1901616-01 dated 22 January 2018 that includes 32 pages; No. NMi-1902002-01 dated 8 February 2018 that includes 21 pages

Table 3 General characteristics of the calculating/indicating device type Sandpiper-Apollo or Apollo

Maximum mass indication	6 digits
Maximum unit price	6 digits
Maximum price to pay	4 digits
Environmental classes	M1 / E2
Ambient temperature range	-25 – +55 °C; -40 – +55 °C (with heater)
Software identification	Version number: A30203.
	Checksum: 9C99
Communication	Modbus