OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R117/1995-NL1-05.04 revision 1
Project number 10200386

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman	
Applicant	Dresser Wayne Pignone DEG Italia SpA Via Roma 32 IT 23018 Talamona (SO) Italy	
Manufacturer	Dresser Wayne Pignone DEG Italia SpA Via Roma 32 IT 23018 Talamona (SO) Italy	Dresser Wayne Pignone Dresser Wayne AB Hanögatan 10 SE – 211 24 Malmö Sweden
	Dresser Indústria e Comércio Divisão Wayne Estrada do Timbó, 126 Higienópolis Rio de Janeiro - RJ Brazil	Dresser Wayne Fuel Equipement (Shanghai) Co., Ltd 51 Daxiu Road Tang Zhen Industry Park Pudong Shanghai China
Identification of the certified type	A **Fuel Dispenser for Motor Vehicles** Type	: Global Vista
Characteristics	See next page	

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

OIML R117 - Edition 1995 for accuracy class 0,5;
OIML R118 - Edition 1995.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
10 May 2011

C. Oosterman
Head Certification Board

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This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified.
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 Test Report(s) is not permitted, although either may be reproduced in full.

The conformity was established by the results of tests and examinations provided in the references of the Swedish National Testing and Research Institute, SP:

- N°: MTvF204493 (Pattern evaluation report and check list)
- N°: 98V21416 D , Type designation SU 922-22 and SU 945-45 (MMQ-, Cold-, Endurance- and shortened Accuracy tests);
- N°: 99V21784 Type designation SU 734-32 40/40-60 (Accuracy-, MMQ-, Cold-, and Gas separator tests, as well as Flow interruption);
- N°: 99V21790 Type designation SU 511-21 130 (Shortened Accuracy- and MMQ test as well as Flow interruption;
- N°: MTvP103575A Type designation Global Century Single 100 (Accuracy- and Gas separator tests);
- N°: MVvF018718 Type designation SU 933-33 (Accuracy-, Endurance-, shortened Accuracy-, MMQ- and Cold tests as well as Flow interruption;
- N°: KMp I-1003 (Hoses);
- N°: MVvF014459 A (Simulated tests on the Calculating/Indicating device);
- N°: MTvP302760 A (Simulated tests on the Calculating/Indicating device);
- N°: MVvF014459 D (Simulated tests on the Calculating/Indicating device);
- N°: MTvP302760 B (Simulated tests on the Calculating/Indicating device).

Characteristics of the fuel dispenser for motor vehicles:

Fuel dispensers for Motor Vehicles, model "Global Vista" with a Q_{max} of 40, 70, 90, or 130 L/min.
In case of blending the Q_{max} is 40 L/min.

with one "CPU" Gas Elimination Device and one Dresser Wayne AB Measurement Transducer:

Maximum flowrate L/min	Minimum flowrate L/min	Accuracy class	Minimum measured quantity L	Liquid	Maximum volume indication L	Maximum unit price EURO/L	Maximum price to pay EURO/L
70	4	0.5	2	gasoline/ gasoil	999.99	9.999	9999.99

with one "CPU" Gas Elimination Device and one Dresser Wayne AB Measurement Transducer:

Maximum flowrate L/min	Minimum flowrate L/min	Accuracy class	Minimum measured quantity L	Liquid	Maximum volume indication L	Maximum unit price EURO/L	Maximum price to pay EURO/L
40*	4	0.5	2	gasoline/ gasoil	999.99	9.999	9999.99

* The gas separator of this measuring system is suitable for use with two measurement transducers

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with two "CPU" Gas Elimination Devices and two Dresser Wayne AB Measurement Transducers:

Maximum flowrate L/min	Minimum flowrate L/min	Accuracy class	Minimum measured quantity L	Liquid	Maximum volume indication L	Maximum unit price EURO/L	Maximum price to pay EURO/L
130**	13	0.5	2	gasoil	999.99	9.999	9999.99

** A Qmax of 90 L/min can be reached by connecting two measurement transducers in parallel with delivery via one hose with nozzle. This configuration does not allow a delivery from two nozzles simultaneously at 130 L/min (except when the remote pump is used).

with one "CPU" Gas Elimination Device and two Dresser Wayne AB Measurement Transducers:

Maximum flowrate L/min	Minimum flowrate L/min	Accuracy class	Minimum measured quantity L	Liquid	Maximum volume indication L	Maximum unit price EURO/L	Maximum price to pay EURO/L
90***	4	0.5	2	gasoil	999.99	9.999	9999.99

*** A Qmax of 90 L/min can also be reached by connecting two gas separators and two measurement transducers in parallel with delivery via one hose with nozzle. This configuration allows a delivery from two nozzles simultaneously at 90 L/min.

with three "CPU" Gas Elimination Devices and four Dresser Wayne AB Measurement Transducers:

Maximum flowrate L/min	Minimum flowrate L/min	Accuracy class	Minimum measured quantity L	Liquid	Maximum volume indication L	Maximum unit price EURO/L	Maximum price to pay EURO/L
130****	13	0.5	2	gasoil	999.99	9.999	9999.99

**** This configuration allows a delivery from two nozzles at 130 L/min simultaneously.

with one "CPU" Gas Elimination Device and one Dresser Wayne AB Measurement Transducer:

Maximum flowrate L/min	Minimum flowrate L/min	Accuracy class	Minimum measured quantity L	Liquid	Maximum volume indication L	Maximum unit price EURO/L	Maximum price to pay EURO/L
40	4	0.5	2	blend	999.99	9.999	9999.99

OIML Certificate of Conformity

Comprising of: one or more measuring systems in the same housing.

Each measuring system consists of:

- One Dresser Wayne AB, CPU (Compact Pumping Unit) combined pump and gas eliminator device;
- One Dresser Wayne AB , measurement transducer;
- One Dresser Wayne AB, iGEM calculating/indicating device.

One CPU combined pump and gas eliminator can be connected with two measurement transducers, each measuring transducer is considered as a part of a measuring system.

When more than one measuring system in one housing the iGEM calculating/indicating device may be a common part of the measuring systems.

A Q_{max} of 130 L/min can be reached by connecting two gas separators and two measurement transducers in parallel with delivery via one hose with nozzle.

For multi-product dispensers it is only possible to deliver one product at the same time on one side of the dispenser.