



OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R117/1995-NL1-11.01 Revision 0
Project number 10200988
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Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	Tokheim Group S.A.S Paris Nord 2 5, Rue des Chardonnerets BP 67040 Tremblay en France 95971 Roissy Ch de Gaulle Cedex France
Manufacturer	Tokheim - Hengshan Technologies (Guangzhou) Co. Ltd. No. 66, Nan xiang Yi lu Science city of Guangzhou 510663 PR China
Identification of the certified type	A Fuel Dispenser for Motor Vehicles Type : Quantum Q120T; Quantum Q220T; Quantum Q320T; Quantum Q420T; Quantum Q520T; Quantum XXXX*
Characteristics	Q_{max} : 80 L/min or 45 L/min

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

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.

*) "XXXX" is a non-essential indication

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

C. Oosterman
Head Certification Board

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This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi (see www.nmi.nl).





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The conformity was established by the results of tests and examinations provided in the associated OIML Test Report(s):

for the "TQM" Measurement Transducer:

- No. CPC-702138.

for the "EPZ" or "TQP-RS" gas elimination device:

- No. CPC-702138-1.

for the "TMC" or "TMC-X" calculating / indicating device:

- No. CPC-505007
- No. CPC-608298 / NMI-11200277.

Characteristics of fuel dispensers for Motor Vehicles, model "Quantum XXXX":

with one "EPZ" or "TQP-RS" Gas Elimination Device and one "TQM" Measurement Transducer and one "TMC" or "TMC-X" calculating/indicating device:

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
80	2,0	0,5	5	gasoline/ gasoil	9999,99	9,999	9999,99
45	4,5	0,5	5	gasoline/ gasoil	9999,99	9,999	9999,99

or

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
80	2,0	0,5	5	gasoline/ gasoil	99999,99	99,999	99999,99
45	4,5	0,5	5	gasoline/ gasoil	99999,99	99,999	99999,99

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

Each measuring system consists of:

- One Tokheim, "TQP-RS" (EPZ with a high cover) combined pump and gas elimination device, or;
- One Tokheim, "TQP-RS" (EPZ with a lower top cover) combined pump and gas elimination device;
- One Tokheim, "TQM" measurement transducer;
- One Tokheim, "TMC" or "TMC-X" calculating/indicating device.



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- + One Tokheim 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 "TMC" or "TMC-X" calculating/indicating device may be a common part of the measuring systems.
- + A Q_{max} of 80 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.