

OIML Member State
The Netherlands

Number R117/1995-NL1-09.02 revision 4
Project number 12200808
Page 1 of 1

Issuing authority	NMi Certin B.V. Person responsible: C. Oosterman
Applicant	Tokheim Sofitam Applications S.A.S. Immeuble Le Cézanne Paris Nord 31-35, Allée des Impressionnistes BP 45027 Villepinte 95912 Roissy Ch de Gaulle Cedex France
Manufacturer	Tokheim Sofitam Applications S.A.S. Immeuble Le Cézanne Paris Nord 31-35, Allée des Impressionnistes BP 45027 Villepinte 95912 Roissy Ch de Gaulle Cedex France
Identification of the certified type	A Fuel Dispenser for Motor Vehicles Type : Quantum XXXX
Characteristics	Q_{max} : 80 L/min resp. 130 L/min resp. 160 L/min

The detailed characteristics will be defined in the Annex

This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Reports) 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.

Remark: This revision of the OIML Certificate of Conformity replaces the earlier versions.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
26 June 2013

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

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).

The conformity was established by the results of tests and examinations provided in the associated OIML Evaluation 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 "TK80" gas elimination device:
 - NMO Evaluation Report No. P00882 TK80 Gas Separator and OIML Test Report No. SN 1221.
- For the "TQP-HS (PAS V3)" gas elimination device:
 - No. R117/1995-NL1-01.04.
- for the "TQC" calculating / indicating device:
 - No. CPC-811327;
 - No. NMI-13200218-01.

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

with one "EPZ", "TQP-RS" or "TK80" Gas Elimination Device and one "TQM" Measurement Transducer and one "TQC" 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	2	gasoline/ gasoil	9999,99 *)	9,999 *)	9999,99 *)
80	2,0	0,5	2	gasoline/ gasoil	99999,99*)	9,9999 *)	99999,99*)

Remarks: - *) The decimal sign can be shown on different positions in the LCD-Display(s);
 -**) The currency depends on the applicable country (Nationality).

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, "TK80" combined pump and gas elimination device;
- One Tokheim, "TQM" measurement transducer;
- One Tokheim, "TQC" calculating/indicating device.

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 "TQC" 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.

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

with one "TQP-HS (PAS V3)" Gas Elimination Device and two "TQM" Measurement Transducers (in parallel) and one "TQC" 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 €/L **)	Maximum price to pay € **)
130	2,0	0,5	2	gasoline/ gasoil	9999,99 *)	9,999 *)	9999,99 *)
130	2,0	0,5	2	gasoline/ gasoil	99999,99 *)	9,9999 *)	99999,99 *)

Remarks: - *) The decimal sign can be shown on different positions in the LCD-Display(s);
 -**) The currency is depends on the applicable country (Nationality).

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

with two "TQP-HS (PAS V3)" Gas Elimination Devices and two "TQM" Measurement Transducers (in parallel) and one "TQC" 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 €/L **)	Maximum price to pay € **)
160	2,0	0,5	2	gasoline/ gasoil	9999,99 *)	9,999 *)	9999,99 *)
160	2,0	0,5	2	gasoline/ gasoil	99999,99 *)	9,9999 *)	99999,99 *)

Remarks: - *) The decimal sign can be shown on different positions in the LCD-Display(s);
 -**) The currency depends on the applicable country (Nationality).

Revision History

Revision	Date	Change(s)
Initial	7 May 2009	-
1	7 December 2009	Small editorial changes
2	11 October 2012	Extension with the "TK 80" Gas separator, based on NMO Evaluation Report number "P00882 TK 80 Gas separator" and OIML R117 Test Report number SN 1221.
3	25 June 2013	Extension with the "TQP-HS (PAS V3)" Gas Elimination Device, based on OIML Evaluation report No. R117/1995-NL1-01.04. to make it possible that the Qmax = 130 L/min and 160 L/min
4	25 June 2013	New Manufacturers name Tokheim Sofitam Applications S.A.S.