

OIML Member State
The Netherlands

Number R117/2007-NL1-16.01 revision 1
Project number 1900647
Page 1 of 3

Issuing authority
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Identification of the
certified type **A fuel dispenser**
Type: Quantum XXXX

Characteristics See page 2 and further

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):

R117-1 (2007) "Dynamic measuring systems for liquids other than water"

Accuracy class 0,5

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**
3 October 2017



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OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R117/2007-NL1-16.01 revision 1
Project number 1900647
Page 2 of 3

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

- For the Quantum XXXX including a "TQM" Measurement Transducer, "EPZ", "TQP-RS" or "TK80" gas elimination device and "WWC v4" or calculating / indicating device:
 - No. CPC-810762-01 dated 30 March 2009 that includes 17 pages.
- For the "TQM" Measurement Transducer:
 - No. CPC-702138 dated 12 September 2007 that includes 19 pages.
- For the "EPZ" or "TQP-RS" gas elimination device:
 - No. CPC-702138-1 dated 21 September 2007 that includes 23 pages.
- For the "TK80" gas elimination device:
 - NMO Evaluation Report No. P00882 TK80 Gas Separator and OIML Test Report No. SN 1221 dated 9 July 2012 that includes 12 pages.
- For the "TQP-HS (PAS V3)" gas elimination device:
 - No. R117/1995-NL1-01.04 dated 21 January 2004 that includes 36 pages.
- For the "WWC v4" calculating / indicating device:
 - No. CPC/608514 dated 14 February 2007 that includes 76 pages;
 - No. CPC/705081 dated 18 July 2007 that includes 64 pages.
- For the "WWW v7" calculating / indicating device:
 - No. CPC/507848 dated 19 May 2006 that includes 72 pages;
 - No. CPC/608514 dated 14 February 2007 that includes 76 pages;
 - No. CPC/705081 dated 18 July 2007 that includes 64 pages.
- For the "TQCL-C" calculating / indicating device:
 - No. P147764 dated 18 November 2015 that includes 26 pages.
- For the "TQCL" calculating / indicating device:
 - No. P135196 dated 10 April 2015 that includes 30 pages.

Characteristics of the measuring instrument

In the table below the general characteristics of the measuring instrument are presented.
The construction of the measuring instrument is recorded in the Documentation folder no. T10001-7.

| Maximum flowrate L/min | Minimum flowrate L/min | Accuracy class | Minimum measured quantity L | Liquid product | Maximum volume indication L | Maximum unit price €/L **) | Maximum price to pay € **) |
|---------------------------|---------------------------|----------------|--------------------------------|---------------------|--------------------------------|-------------------------------|-------------------------------|
| 80 | 2,0 | 0,5 | 2 | gasoline/ gasoil | 9999,99 *) | 9,999 *) | 9999,99 *) |
| 130 | 2,0 | 0,5 | 2 | gasoline/ gasoil | 9999,99 *) | 9,999 *) | 9999,99 *) |

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



OIML Certificate of Conformity

OIML Member State
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Number R117/2007-NL1-16.01 revision 1
Project number 1900647
Page 3 of 3

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, "TQP-HS (PAS V3)" combined pump and gas elimination device;
- One Tokheim, "TQM" measurement transducer;
- One Tokheim, "WWC v4", "WWV v7" or "TQCL-C" 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 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 (or one gas separator if the Q_{max} is sufficient) 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.

Certificate history:

This revision replaces the previous version.

| Revision | Date | Description of the modification |
|----------|----------------|---|
| Initial | 7 July 2016 | Quantium XXXX Fuel Dispenser |
| 1 | 3 October 2017 | Correction typing error in documentation folder number and extension of the manufacturers name with part of Dover Fueling Solutions |