



Member State of OIML
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R117/1995-GB1-10.03

OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory
(Part of the National Measurement Office)**
Address: **Stanton Avenue
Teddington
Middlesex, TW11 0JZ
United Kingdom**

Person responsible: **Paul Dixon - Product Certification Manager**

Applicant: **Gilbarco Veeder-Root**
Address: **Crompton Close, Basildon, Essex, UK**

Manufacturer: **Gilbarco Inc**
Address: **7300 W.Friendly Ave. Greensboro NC 27420, USA**

Identification of the certified pattern:

Liquids other than water dispenser, designation Horizon

Accuracy class 0,5

Further characteristics see pages 3 & 4

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML: R117
Edition: 1995

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

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This certificate does not bestow any form of legal international approval.

The conformity was established by the following reports:

OIML Evaluation reports: GB-1344, GB-1348, GB-1350, GB-1356, GB-1359
Checklist: P00390 having 26 pages
Test Reports: CVN-305142 (NMI), PF/8332 (NMI)

Issuing authority



Mr P R Dixon
for NWML

CIML member



Mr P Mason

Date 27th May 2010

Ref T1117/0043

Characteristics:

Each hydraulic circuit consists of:

1. one or two meters, types V, V+, (mechanical or electronic calibration options), or Cglobal, C+global, or Ecometer,
2. GPU90g or GPU140g pump and gas separator, except for use in pressurized (STP) systems

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Maximum Flowrate l/min	Minimum flowrate l/min	Minimum measured quantity l	Maximum volume indication l	Maximum unit price	Maximum price to pay	Meter	Liquids
40	1.6	2 or 5	9999999 (Floating decimal)	99999 (Floating decimal)	9999999 (Floating decimal)	V/V+ or C+ global	Gasoline, Gasoline with up to 86% ethanol or MTBE, Gasoline with up to 5% methanol, Diesel, Biodiesel (up to 100%)
40	4	2 or 5	9999999 (Floating decimal)	99999 (Floating decimal)	9999999 (Floating decimal)	Ecometer or C global	Gasoline, Gasoline with up to 86% ethanol or MTBE, Gasoline with up to 5% methanol, Diesel, Biodiesel (up to 100%)
80	1.6	2, 5 or 10	9999999 (Floating decimal)	99999 (Floating decimal)	9999999 (Floating decimal)	V/V+ or C+ global	Gasoline, Gasoline with up to 86% ethanol or MTBE, Gasoline with up to 5% methanol, Diesel, Biodiesel (up to 100%)
80	4	2, 5 or 10	9999999 (Floating decimal)	99999 (Floating decimal)	9999999 (Floating decimal)	Ecometer or C global	Gasoline, Gasoline with up to 86% ethanol or MTBE, Gasoline with up to 5% methanol, Diesel, Biodiesel (up to 100%)
130	3.2	2, 5 or 10	9999999 (Floating decimal)	99999 (Floating decimal)	9999999 (Floating decimal)	V/V+ or C+ global	Diesel, Biodiesel (up to 100%)
130	8	2, 5 or 10	9999999 (Floating decimal)	99999 (Floating decimal)	9999999 (Floating decimal)	Ecometer or C global	Diesel, Biodiesel (up to 100%)

Extended temperature range -40°C to +55°C with low temperature versions of C+global meter or Ecometer.

Up to four hydraulic circuits are housed in a single enclosure with:

1. one common E101g calculator
2. measuring transducers of type E101 pulser, or Eltomatic ME01-04

Optional features and functions:

- communications (remote automation)
- temperature compensation
- vapour recovery systems
- electronics for payment at the dispenser
- delivery speed selection either by pushbutton or nozzle selection
- electronic or electromechanical totalizers,
- speakers, preset, keypad, pushbutton options
- slave displays, and/or master-satellite operation
- additional displays, number of display digits and display size (minimum 6 digits money and volume, 4 digits unit price, and minimum height 25mm)

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