

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

OIML Certificate No
R117/2007-GB1-17.04

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**
Person responsible: **Mannie Panesar – Head of Technical Services**
Applicant: **Gilbarco Veeder-Root**
Address: **Crompton Close,
Basildon,
Essex,
United Kingdom**
Manufacturer: **Gilbarco Veeder-Root India Pvt. Ltd.**
Address: **PDP, Coimbatore Campus,
Coimbatore Ind. Estate,
Coimbatore,
641 021, Tamil Nadu,
India**

Identification of the
certified pattern: **Liquids other than water dispenser, Sprint**

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 Organisation of Legal Metrology (OIML):

OIML R117-1 Edition 2007(E) for accuracy class: 0.5

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.

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

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

The conformity was established by testing and examinations described in the associated Evaluation Report P01979 which includes 115 pages.

Issue Date: 8 December 2017



M Bokota
Technical Manager
For and on behalf of the Head of Technical Services

Characteristics of the instrument:

Components:

Each hydraulic circuit consists of:

1. one or two meters, types V, V+, C, or C+
2. GPU90 pump and gas separator, except for use in pressurized (STP) systems
3. one or two delivery hose circuits.

Two hydraulic circuits must be combined for dispensing at the highest flowrate below.

Up to four hydraulic circuits are housed in a single enclosure with one common calculator, Tulip, Sandpiper-2, or Sandpiper-Apollo. Alternatively there may be two calculators each controlling one or two hydraulic circuits in a single enclosure (4 active hose model).

Optional features and functions:

- communications (remote automation)
- electronics for payment at the dispenser, printer,
- optical or magnetic pulsers,
- encrypted communication (128bit minimum, TEA/AES) between the CPU and the pulsers, displays and keypad
- vapour recovery systems
- temperature compensation (with Sandpiper-2 or Sandpiper-Apollo)
- delivery speed selection either by pushbutton or nozzle selection
- electronic and/or electromechanical totalizers,
- speakers, preset, keypad, pushbutton options
- slave displays, and/or master-satellite operation
- additional displays, alternative number of display digits and display size (minimum 6 digits money and volume, 4 digits unit price, and minimum height 25mm). Discrete displays for money, volume and unit price, or combined into a single display.
- multimedia display
- NC3 Payment Terminal (alternative name M7)
- GSM modem for electronic-receipts (non metrological)

Technical data:

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	1*, 2 or 5	9999999 (Floating decimal)	999999 (Floating decimal)	9999999 (Floating decimal)	V, V+, or C, C+	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)	999999 (Floating decimal)	9999999 (Floating decimal)	V, V+, or C, C+	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)	999999 (Floating decimal)	9999999 (Floating decimal)	V, V+, or C, C+	Diesel, Biodiesel (up to 100%)

Environments:

Mechanical Environment Class M2
Electromagnetic Environment Class E1

*Note: Minimum measured quantity of 1 litre with C+ meter only.

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R117/2007-GB1-17.04	8 December 2017	Certificate first issued.
-	-	No revisions have been issued.