

**OIML Member State**

Czech Republic

OIML Certificate No.

R117/2019-A-CZ1-26.01

OIML CERTIFICATE ISSUED UNDER SCHEME A**OIML Issuing Authority**

Name: Czech Metrology Institute

Address: Okružní 31

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Czech Republic

Person responsible: Jan Kalandra

Applicant

Jiangyin Furen High-Tech Co., Ltd.

No.8-6, 8-7 Xinyuan Road

214433 Jiangyin City

Jiangsu Province

China

Manufacturer

Jiangyin Furen High-Tech Co., Ltd.

No.8-6, 8-7 Xinyuan Road

214433 Jiangyin City

Jiangsu Province

China

Identification of the certified type *(the detailed characteristics will be defined in the additional pages)***Fuel dispenser****type: HAxxxxx**

This OIML 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):

OIML R 117, Edition: 2019

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report and test reports:

Evaluation Report: 0511-ER-F129-24

Test reports: 6015-PT-P0010-26, 6011-PT-SW034-25, 8551-PT-E0170-25 issued by Czech Metrology Institute

The technical documentation relating to the identified type is contained in documentation file:

OIML Certificate History

Revision No.	Date	Description of the modification
	22 April 2026	Issuing of certificate

The OIML Issuing Authority

RNDr. Pavel Klenovský
Head of Certification Body

Date: 22 April 2026



Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is 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.

Measuring device description

The HAxxxxx fuel dispensers are designed for measurement of liquid fuel volumes and are used for the refuelling of motor vehicles, small boats and small aircrafts.

The HAxxxxx measuring system consists of a pumping unit with incorporated gas separator, measuring transducer, electronic calculator with indicating device (display) and electronic totalizing indicating device, electromagnetic valve and hose with delivery nozzle.

This fuel dispenser is equipped with pre-setting device. Pre-setting of a volume or price value is done by keyboard on the electronic calculator.

This measuring system can be made as pressurized system in centrally pumped system or with external submersible pump. In that case the installation of a gas separator is NOT mandatory. If it is not intended to install a gas separator, the design of installation has to ensure that there is no risk of air intake or gas release.

Designation of a fuel dispenser series:

HA (S, P) (1, 2, 4, 6, 8) (1, 2, 3, 4) (A, B, C) (1, 2, 4, 6, 8)

The meaning of the above stated codes is as follows:

HA (Source of flow) (Number of nozzles) (Number of products) (Flow range) (Number of displays),

- where S means submersible pump,
- P means self-priming (suction) pump,
- A means (5 – 50) L/min,
- B means (5 – 70) L/min,
- C means (5 – 90) L/min.

This certificate covers all models of a fuel dispenser including suction pump type and submersible remote pump type mentioned in the table above. All of the models consist of the same components and they are identical in metrological point of view.

Main components

Pumping unit with gas separator	ZCB-90-1
Measurement transducer	FM1-1
Pulse transmitter	B-TY9
Calculating / indicating device	HD9376

Basic technical and metrological data

Pattern designation	HAxxxxx
Max. flow rate Q_{max} [L/min]	Type S: 90 / Type P: 70
Min. flow rate Q_{min} [L/min]	5
Min. measured quantity MMQ [L]	2
Accuracy class	0.5
Liquids	Gasoline, Diesel, Kerosene
Liquid temperature range [°C]	-5 to +35
Ambient temperature range [°C]	-25 to +55
Maximum pressure [MPa]	0.22
Minimum pressure [MPa]	0.16
Environmental classes	M1, E1, H3
Measurement unit	Volume [L]
Type of display:	Electronic
Scale interval of the indication [L]	0.01
Power supply	220 - 240 V; 750 W; 50 / 60 Hz
Maximum unit price (no. of digits)	9999(5) or 999999(6)
Maximum volume (no. of digits)	999999(7) or 99999999(8)
Maximum price to pay (no. of digits)	999999(7) or 99999999(8)
POS interface	RS-485
Approved software versions	V3.00.00.01
W&M checksum (CRC)	00c3fad1