

ČESKÝ METROLOGICKÝ INSTITUT

Member state
Czech Republic



OIML Certificate No.
R117/1995-CZ-05.02

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

Name: Czech Metrology Institute
Address: Okružní 31,
638 00 Brno, CZ
Person responsible: Jan Kalandra

Applicant

Name: ADAMOV - SYSTEMS, a.s.
Address: Mírová 2
679 04 Adamov
Czech Republic

Manufacturer of the certified type
Name: ADAMOV - SYSTEMS, a.s.
Address: Mírová 2
679 04 Adamov
Czech Republic

Identification of the certified type

Fuel dispenser for motor vehicles
Type: V-line 899x.xxx, V-line 46xx.xxx, V-line 47xx.xxx

Further characteristics see page 2

This certificate attests the conformity of above identified type (represented by the sample or samples identified in the associated test report) with the requirements of the following Recommendation(s) of the International Organization of Legal Metrology (OIML):

R 117, edition 1995, for accuracy class 0,5

R 118, edition 1995

This certificate relates only to the metrological and technical characteristics of the type of instrument covered by the relevant OIML Recommendation(s) identified above.

This 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 Test report: No. 6031-PZ-P003-05 that includes 62 pages.

Characteristics:

The V-line 899x.xxx, V-line 46xx.xxx and V-line 47xx.xxx fuel dispensers for motor vehicles

Meter type:	M403.25P M403.25EP	M403.25P M403.25EP	M403.32P M403.32EP
Pumping units type:	P640.50 P641.50	P640.100 P641.100	2 x P640.100 2 x P641.100
Liquids	Gasoline Diesel	Diesel	Diesel
Max. flowrate Q_{max} [dm ³ /min]	40 to 60	70 to 80	100 to 150
Min. flowrate Q_{min} [dm ³ /min]	4	5	10
Min. measured quantity V_{min} [dm ³]	2	5	10
Maximum unit price (number of digits)	9999 (4)		
Maximum price to pay (number of digits)	999999 (6)		
Accuracy class	0.5		

Measuring system description:

The V-line 899x.xxx, V-line 46xx.xxx and V-line 47xx.xxx fuel dispensers consist of a P64x.50 or P64x.100 pumping unit with gas elimination device, M403.25P, M403.25EP, M403.32P or M403.32EP meter, ADPxxx/T electronic calculator with adjustment device, ME 01-05 measuring transducer (pulser), electromagnetic valve and house with delivery nozzle. There is sight glass installed for $Q_{max} > 60$ L/min. These fuel dispensers can be equipped with a vapour recovery system. There is version for installation in centrally pumped system. Satellite delivery point can be present.

There are two different models of meter. Model M403.25P and M403.25EP with Q_{max} 120 L/min and model M403.32P and M403.32EP with Q_{max} 150 L/min. There is difference in nominal diameter and rotary valve only. Version "P" is equipped with mechanical adjustment device, version "EP" can be used with electronic adjustment only.


The pumping unit has two different models, model P64x.50 with Q_{max} 60 L/min and model P64x.100 with Q_{max} 80 L/min. There is difference in volume of pump only. The gas elimination device is the same. ADP/T electronic calculator has three different models. Model ADP1/T can control 1 subsystem only, model ADP2/T can control 2 subsystems and model ADPMPDx/T can control 10 subsystems maximally. ADPxxx/T electronic calculator has conversion function ATC for converse of measurement data to reference conditions (Volume at 15°C). There had to be connected temperature transducer Pt100 of class B at minimum according EN IEC 751.

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There are three types of subsystems:

- with Q_{\max} 60 L/min, witch contains one P64x.50 pumping unit and two M403.25EP meters; fuel can be dispensed via two nozzles simultaneously (the same product on each side of dispenser),
- with Q_{\max} 80 L/min, witch varies just in using P64x.100 pumping unit and there is only one M403.25EP meter; fuel is dispensed via one nozzle,
- with Q_{\max} 150 L/min, witch contains parallel mounting of two P64x.100 pumping units and one M403.32EP meter; fuel is dispensed via one nozzle.


The Issuing Authority
Jan Kalandra




The OIML Member
Pavel Klenovský

12 December 2005

12 December 2005

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 the associated test report is not permitted although either may be reproduced in full.