



EC-Type Examination Certificate

(1)

(2)

Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

(3) EC-Type Examination Certificate Number:

FTZÚ 11 ATEX 0204X

(4) Equipment: **Fuel dispenser, type V-line 899x.xxx/LPG HYBRID**

(5) Manufacturer: **Adast Systems, a.s**

(6) Address: **Mírová 2, 679 04 Adamov, Czech Republic**

(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical Technical Testing Institute, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°

11/0204 dated 01.09.2011

(9) Compliance with Essential Health and Safety Requirements has been assured by compliance with:

EN 13617-1+A1:2009

EN 14678-1+A1:2009

(10) If the sign „X“ is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.


(11) This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

 **II 2G IIA T3**

This EC-Type Examination Certificate is valid till: **22.09.2016**

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 22.09.2011

Number of pages: 4

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Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 11 ATEX 0204X**

(15) Description of Equipment:

Combined fuel dispensers, type series V-line 899x.xxx/LPG HYBRID allow simultaneous one-sided or double-sided dispensing of two sorts of liquid fuel – petrol or diesel oil and liquid bottled – gas (LPG) into the vehicles fuel tank at one dispensing point.

Fuel dispensers are designed as self-supporting modular design. Two compartment housing is designed with two columns and between them are hydraulic units for two products at the bottom section placed. In upper housing there is the electronic placed.

Type key:

V-line 899 x . xxx / x / LPG HYBRID / xx / xx

Maximum flow rate Q_{max} [dm³/min]

Marking of product

System of pumping

S – suction design

P – pressures design

Design of body

2 – Two-space body with column

Counter

2 – Beta Control – ADP1 / T, ADP2 / T

8 – Unidataz – CDC

Hose connecting

4 – on the spring hanger

6 – on the side wall of dispenser

Type marking in series

4 – DUPLEX – Q = 40 + 40 (LPG) [dm³/min]

6 – DUPLEX – Q = 60, 70, 80, + 40 (LPG) [dm³/min]

Type line

Responsible person:

Vz. J. Šindler
Dipl. Ing. Šindler Jaroslav
Head of certification body



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Schedule

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(16) Description of Equipment: - continuation

Technical dates:

Ambient temperature	-20 °C to +40°C - basic version
	-20 °C to +50°C - standard version
	-30 °C to +60°C - version for extreme climatic conditions
	-40 °C to +60°C - version for extreme climatic conditions

Dispenser module for liquid fuel

Maximum flow rate	40, 60, 70, 80 dm ³ /min (according to type of dispenser)
Minimum flow rate	4.5 dm ³ /min (according to type of dispenser)
Maximum service pressure	0.25 / 0.32 MPa (according to type of dispenser)
Minimum service pressure	0.12 / 0.19 MPa (according to type of dispenser)

Dispenser module for LPG:

Maximum flow rate	40 dm ³ /min
Minimum flow rate	5 dm ³ /min
Maximum service pressure	1.8 MPa
Minimum service pressure	0.7 MPa

(16) Report No. 11/0204


dated 01.09.2011

(17) Special conditions for safe use: None

The installation and the operation of the LPG dispenser have to confirm to the relevant national regulations of the users.

Written warning shall be drawn up in the language(s) of the country in which the dispenser is to be used.

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(13)

Schedule

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(18) Essential Health and Safety Requirements:

They are included in standards, which are mentioned in clause (9) of this certificate according which was equipment certified and in the documentation elaborated by manufacturer.

(19) LIST OF DOCUMENTATION

➤ Zone and ventilation of dispenser	449223104	30.05.2011
➤ Design piece list	88007361	02.06.2011
➤ Fuel dispenser 8994 HYBRID	449222827	31.05.2011
▪ Piece list	449222827	02.06.2011
➤ Aggregate LPG MONO ATC V2	445318215	15.05.2009
▪ Piece list	445421117	02.06.2011
➤ Hydraulics 4.6-ODS	445216703	01.10.2006
▪ Piece list	445422874	02.06.2011
➤ Assembly El. scheme LPG	481106496	16.02.2011
➤ El. installation of dispenser	489106498	16.02.2011
▪ Piece list	489106498	02.06.2011
➤ Drawing of label	440323317	26.08.2011
➤ Instruction manual	MKT-001-001-2011/CZ	09/2011
➤ EC Type Examination Certificate No. FTZÚ 05 ATEX 0185		05.08.2005
➤ EC Type Examination Certificate No. FTZÚ 06 ATEX 0222		29.08.2006

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