



Product Service

(1) EU-Type Examination Certificate

TRANSLATION

- (2) Component Intended for Use in Potentially Explosive Atmospheres
Directive 2014/34/EU
- (3) Number of Certificate of EU-Type Examination:

TPS 19 ATEX 103415 0003 U Issue 01

- (4) Product: Autogas Nozzle ZVG 2 and Nozzle Adaptor ZED 1
Types: ACME, DISH, EURO EURO-DISH
- (5) Manufacturer: ELAFLEX HIBY GmbH & Co. KG
- (6) Address: Schnackenburgallee 121
22525 Hamburg
GERMANY
- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) TÜV SÜD Product Service as notified body No. 0123 according to article 17 of the guideline 2014/34/EU of the European Parliament and the Council of the European Union certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive.
The examination and test results are recorded in the confidential report 713262412/2.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN ISO 80079-36:2016 EN ISO 80079-37:2016**
EN 13760:2021
- (10) The sign "U" placed behind the certificate number indicates that this certificate should not be con-founded with certificates issued for equipment or protective systems. This partial certification may be used as a basis for certification of an equipment or protective systems.
- (11) This EU-Type Examination Certificate relates only to the design and the construction of the specified product in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacturing process and supply of this product.
- (12) The marking of the component shall include the following:

Ex II 1 G Ex h IIAand is valid for $T_a = -20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ (All Nozzle Variants except Low Temperature variant "LT") $T_a = -40^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ (Low Temperature variant marked "LT")Certification Body Explosion Protection
Ridlerstraße 65, 80339 Munich

Munich, 23.11.2022


Dipl.-Ing. Ulrich Jacobs

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EU-Type Examination Certificate without signature shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by TÜV SÜD Product Service GmbH.
In case of dispute, the German text shall prevail.

The document is internally administrated under the following number: EX5A 103415 0003 Rev. 01

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstrasse 65 • 80339 Munich • Germany



Product Service

(13) **Schedule**

(14) **EU-Type Examination Certificate TPS 19 ATEX 103415 0003 U** Issue 01

(15) Description of product:

The Autogas Nozzle ZVG 2 with the coupling types / interlocks ACME, DISH and EURO mentioned in (4), is a manually operated dispensing valve for the delivery of liquefied petroleum gas (LPG acc. to EN 589 and BS 4250; propane, butane and their mixtures) to suitably equipped vehicles. The nozzles are mainly made of aluminum, brass and stainless steel. The flow is only possible when the nozzle is correctly coupled to the car connector and the manual valve lever is operated. The maximum permissible operating pressure is set at 25 bar.

The Nozzle Adaptor ZED 1- EURO-DISH is used to connect LPG (LPG / GPL) Autogas Nozzles with EURO coupling (EN 13760) to the DISH connectors (EN 12806) on the vehicle side.

Technical data:

Type / Model	Additional short description	Feature	Temperature range
		Max. volume flow [l/min]	
ZVG 2 ACME	ACME Coupling according to DIN EN 12806	50	-20 °C until +70 °C -40 °C until +70 °C (LT-Type)
ZVG 2 DISH	DISH coupling according to DIN EN 12806	50	-20 °C until +70 °C -40 °C until +70 °C (LT-Type)
ZVG 2 EURO	EURO Coupling according to DIN EN 13760	50	-20 °C until +70 °C -40 °C until +70 °C (LT-Type)
ZED 1 - EURO-DISH	Nozzle Adaptor	-	-40 °C bis +70 °C

(16) Test report: TB_713262412_2 Rev.00

(17) Special conditions for safe use:

- The Autogas Nozzles ZVG 2 and the Nozzle Adaptor ZED 1- EURO-DISH mentioned in (4), may only be put into operation if the completed technical system (device) itself complies with the requirements of Directive 2014/34 / EU (ATEX).
- The instructions for installation and use, specified in the operating manuals and installation manuals, must be observed.

(18) Essential health and safety requirements:

met by standards