

(1) EU-Type Examination Certificate

(2) Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres

Directive 2014/34/EU

(3) EU – Type Examination Certificate Number: **IEP 22 ATEX 1082U**

(4) Product: **Automatic Nozzles, GZD VR, GZD 50, GZD 80 Types**

(5) Firm Name: **NOZTECH PETROL EKİPMANLARI TEKNOLOJİ SANAYİ TİC. A.Ş.**

(6) Firm Address: **Büyükkayacık OSB Mah. T.Ziyaeddin Akbulut Cad. No:22/1 Selçuklu/Konya, TÜRKİYE**

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

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr: IEP.Rp.Ex.10-2263 date 14.07.2022

(9) Compliance with Essential Health and safety requirements has been assured by compliance with ;

EN ISO 80079-36:2016, EN 13012 :2012

(10) The sign ‘U’ is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any limitations of use are listed in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



II 1 G
EN 13012

Ta= -20 °C to +55 °C (All Nozzle Variants except Low Temperature “LT” variant)

Ta= -40 °C to +55 °C (Low Temperature “LT” variant)

Responsible Person :

Nurettin Terzioglu
Head of Certification Body



Date of Issue : 26.07.2022





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(13) Schedule

(14) Certificate Nr : IEP 22 ATEX 1082U

(15) Description of Equipment:

The automatic Nozzle is mounted on dispensing machine in the fueling station. There is no vapor recovery system in the GZD 50, GZD 80 type automatic nozzles. It will be closed automatically to prevent leakage when the vehicle vessel is full. The nozzle with a position control device is to be closed or not to be opened when the outlet port is upward or in other abnormal positions.

The automatic nozzle mounting manual date 18.04.2022 [9 pages]. GZD VR and GZD 50 / 80 type nozzles are made of aluminum-alloy ETIAL 150. Other mechanical components used are described in the tables. The nozzle parts are in the parts list 3 and 03.05.2021 dated.

Technical Specifications: Automatic Nozzles, GZD VR-GZD 50/ 80 Types

| Nozzle Type | GZD VR | GZD 50 | GZD 80 |
|--|----------|-------------------|-----------------|
| Work pressure (min/max) | | 0,5 bar / 3,5 bar | |
| Ambient temperature °C | | - 25 °C ; + 55 °C | |
| Substance used | Gasoline | Gasoline/Diesel | Gasoline/Diesel |
| Flow rate min. (l/ min ⁻¹) | 8 L | 8 L | 8 L |
| Flow rate max. (l/ min ⁻¹) | | | |
| -Inner diameter | 45 L | 21 mm ; 45 L | 21 mm ; 45 L |
| -Inner diameter | | 25 mm ; 80 L | 25 mm ; 80 L |

(16) Special conditions for safe use: Assembly and working of Automatic Nozzles, GZD Type with other related equipments must be adapted to national regulations.

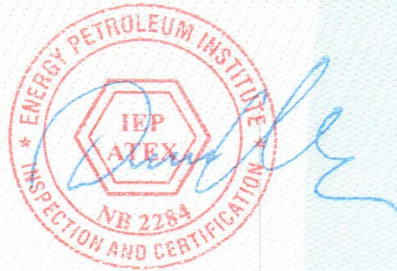
(17) Essential Health and Safety Requirements:

17.1 This certificate is in the contents of standards that mentioned in item [9] It has been accepted that Automatic Nozzles are manufactured according to the producer instructions and the standards mentioned above.

17.2 Information's of assembled working of Automatic Nozzles with other related equipment's exist in instruction manual with 9 pages approved and date 18.04.2022.

Responsible Person :

Nurettin Terzioglu
Head of Certification Body





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(18) Certificate Nr : IEP 22 ATEX 1082U

(19) List of Documentation:

(20) Drawings:

| Number | Date | Number | Date | Number | Date |
|-----------------|-----------|-----------------|-----------|---------------|-----------|
| MPS1100001100 | 1.08.2021 | MPS1100008002 | 1.08.2021 | TDR4100002013 | 1.08.2021 |
| MPS1100001100-1 | 1.08.2021 | MPS1100005100 | 1.08.2021 | TDR4100002010 | 1.08.2021 |
| MPS1100002007 | 1.08.2021 | MPS1100005100-1 | 1.08.2021 | TDR4100002602 | 1.08.2021 |
| MPS1100001311 | 1.08.2021 | MPS1100005002 | 1.08.2021 | TDR4100002603 | 1.08.2021 |
| TDR4100002601 | 1.08.2021 | MPS1100002500 | 1.08.2021 | TDR4100008101 | 1.08.2021 |
| TDR4100002018 | 1.08.2021 | MPS1100002600 | 1.08.2021 | TDR4100015001 | 1.08.2021 |
| MPS1100008100 | 1.08.2021 | MPS1100002600-1 | 1.08.2021 | TDR4100015002 | 1.08.2021 |
| MPS1100001210 | 1.08.2021 | MPS1100002500-1 | 1.08.2021 | TDR4100002307 | 1.08.2021 |
| MPS1100001210-1 | 1.08.2021 | MPS1100002300 | 1.08.2021 | TDR4100058005 | 1.08.2021 |
| TDR4100002006 | 1.08.2021 | MPS1100002200 | 1.08.2021 | TDR4100058004 | 1.08.2021 |
| TDR4100002004 | 1.08.2021 | MPS1100002200-1 | 1.08.2021 | TDR4100002009 | 1.08.2021 |
| TDR4100002003 | 1.08.2021 | TDR4100002202 | 1.08.2021 | TDR4100002008 | 1.08.2021 |
| TDR4100002001 | 1.08.2021 | TDR4100002201 | 1.08.2021 | TDR4100002305 | 1.08.2021 |
| TDR4100001211 | 1.08.2021 | TDR4100002106 | 1.08.2021 | TDR4100002304 | 1.08.2021 |
| TDR4100001203 | 1.08.2021 | TDR4100002105 | 1.08.2021 | TDR4100002303 | 1.08.2021 |
| TDR4100001202 | 1.08.2021 | TDR4100002104 | 1.08.2021 | TDR4100002302 | 1.08.2021 |
| TDR4100001003 | 1.08.2021 | TDR4100002103 | 1.08.2021 | TDR4100002301 | 1.08.2021 |
| TDR4100001002 | 1.08.2021 | MPS1100002107 | 1.08.2021 | TDR4100002203 | 1.08.2021 |
| TDR4100001001 | 1.08.2021 | TDR4100002102 | 1.08.2021 | TDR4100002306 | 1.08.2021 |
| MPS1100008100 | 1.08.2021 | TDR4100002101 | 1.08.2021 | TDR4100002502 | 1.08.2021 |
| MPS1100008100-1 | 1.08.2021 | MPS1100002100 | 1.08.2021 | TDR4100002501 | 1.08.2021 |
| MPS1100005100 | 1.08.2021 | TDR4100002016 | 1.08.2021 | | |

For the validity of analysis type certificate, the parts that are used in Automatic Nozzles are determined in confirmed list of electrical parts and non-electrical parts dated 03.05.2021.

Responsible Person:

Nurettin Terzioğlu
Head of Certification Body



Date of Issue : 26.07.2022

