

(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 23 ATEX 1241X**

(4) Product: **TNP Series End Suction Centrifugal Pump**

(5) Firm Name: **Teknopomp Teknolojik Pompa ve Hid. Sis. Tic. ve San. Ltd. Şti.**

(6) Firm Address: **Ramazanoğlu Mah. Öğrenci Sok. No: 30 Kurtköy / Pendik - İstanbul / 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.10-2530 date 05.07.2023.

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

EN ISO 80079-36:2016 and EN ISO 80079-37:2016

(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified 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.

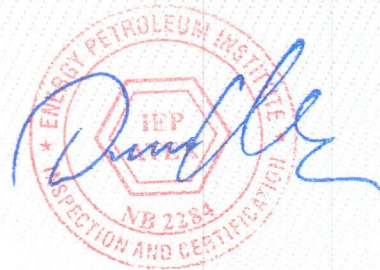
(12) The marking of the equipment or protective system shall include the following:



II ½ G Ex h IIB T4 Ga/Gb

Responsible Person :

Nurettin Terzioglu
Head of Certification Body



Date of Issue : 11.07.2023





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(13) Certificate Nr : IEP 23 ATEX 1241X

(14) Description of Equipment: TNP series pumps are single-stage, end-suction volute type pumps. End Suction Centrifugal Pumps are used for the transfer of IIB gas group fuels. It can be used to pressurize thin, clean, non-abrasive, clean and slightly dirty liquids up to 90 °C, which do not contain coarse solid particles or fibers. TNP Series End Suction Centrifugal Pump have been evaluated as 0 and 1 that be used danger area determined in the EN 60079-10-1 standard.

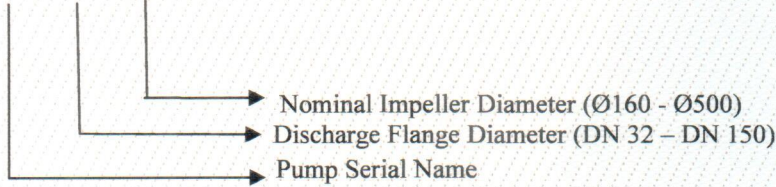
Technical Parameters:

Product Name	TNP
Flow Rate	(5 – 3500) m ³ /h
Max. Pump Speed	3600 Rpm
Operating Pressure	Up to a maximum of 16 bar
Max. Pressure Height	210 m
Ambient Temperature	-10 C° ~ +65 C°
Fluid Operating Temperature	-20 C° ~ +120 C°

(IEP 23 ATEX 1241X) X means: Installation and maintenance should be done by authorized personnel in accordance with the relevant standard and user manual. In case of revision, it should be re-examined. The flow temperature of the fuel or steam passing through it should not exceed 120 °C.

Product Code Systems:

TNP XXX -XXX



(15) Special conditions for safe use : Assembly and working of TNP Series End Suction Centrifugal Pump with other related equipment's must be adapted to national regulations.

(16) Essential Health and Safety Requirements:

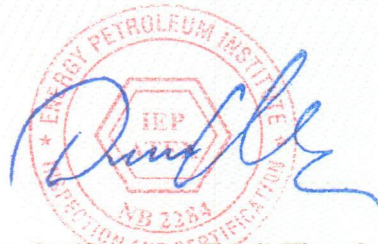
This certificate is in the contents of standards that mentioned in item [9] It has been accepted that TNP Series End Suction Centrifugal Pump are manufactured according to the producer instructions and the standards mentioned above. Information's of assembled working of TNP Series End Suction Centrifugal Pump with other related equipment's exist in instruction manual with 16 pages approved and date 29.05.2023.

(17) List of Documentation:

- User manual : 16 pages, dated 29.05.2023
- Component Lists : 1 page, dated 29.05.2023
- Mounting Pictures and Technical Drawings : 29 pages
- Risk Analysis Report : 3 pages, dated 29.05.2023

Responsible Person :

Nurettin Terzioglu
Head of Certification Body



IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Sirketi

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(18) Certificate Nr : IEP 23 ATEX 1241X

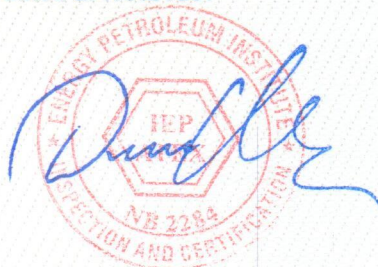
(19) Drawings:

Drawing Name;	Date;
General Section Assembly	13.04.2019
General Section Assembly-2	05.08.2014
40-160 Casing	18.02.2019
100-315 Casing	17.02.2022
125-315 Casing	17.02.2022
TNP 40-160 Impeller	01.03.2019
100-315 Impeller	17.02.2022
125-315 Impeller	17.02.2022
32-40-50 Roller Bearing	23.11.2013
B Type Roller Bearing	11.06.2013
C Type Roller Bearing	07.12.2022
32-40-50 Lock Plate for Ball Bearing	18.11.2013
B Type Lock Plate for Ball Bearing	07.12.2022
C Type Lock Plate for Ball Bearing	07.12.2022
32-40-50 / 250 Chassis Feet	23.03.2022
TNP A11 (32/40/50-160) Mechanical Seal Bearing	15.02.2021
50-250 Mechanical Seal Bearing	04.11.2022
C Type Mechanical Seal Bearing	07.12.2022
32-40-50 Shaft	16.03.2022
50-65-80/250-315 Shaft	30.07.2013
C Type Shaft	07.12.2022
A Type Shaft Impeller Nut	17.11.2021
A Type Shaft Impeller Key	17.11.2021
A Type Shaft Coupling Key	17.11.2021
R ¼ P	17.11.2021
A Type Deflection	17.11.2021
A Type Bearing Housing Cover Plate	17.11.2021
B Type Bearing Housing Cover Plate	07.12.2022
C Type Bearing Sheet	07.12.2022

For the validity of analysis type certificate, the parts that are used in TNP Series End Suction Centrifugal Pump are determined in confirmed table 2 dated 29.05.2023.

Responsible Person :

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Head of Certification Body



Date of Issue : 11.07.2023

