

EU-Type Examination Certificate

(1)

(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres****Directive 2014/34/EU**(3) EU – Type Examination Certificate Number: **IEP 19 ATEX 0742X**(4) Product: **XB x Series Centrifuge Separator**(5) Firm Name: **POLAT Makina Sanayi ve Ticaret Anonim Şirketi**(6) Firm Address: **Astim Organize Sanayi Bölgesi 1. Sokak No: 6 AYDIN – TURKEY**

(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.10-10.1574 date 22.11.2019.

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

EN 60079-0 : 2013 , EN ISO 80079-36 : 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 2G Ex IIA T4 Gb
II 2G Ex h T4 Gb****Responsible Person:**Nurettin Terzioğlu
Head of Certification Body**Date of Issue: 10.12.2019**



(13) Schedule

(14) Certificate Nr : **IEP 19 ATEX 0742X**

(15) Description of Equipment Protective System: The XB x Series Centrifuge Separator are a vertically arranged centrifuge. This machine used to separate and / or clean liquids. Centrifugal Separator consists of Product input – output section, Drum of separation, Cyclone section, Drive group (Motor, gear system, bearing body), Water distribution group and Safety guards group. There is a difference between XBC and XBP in the interior of the separator. If to use a control panel, it must be in the non-hazardous area. If the control board in zone 1, to must be explosion proof. The determination of hazardous areas inside and outside of the decanter is defined in accordance to EN 60079-10-1.

Technical Data Sheets;

Type	Bowl Speed	Bowl Diameter	Hydraulic Capacity	Voltage	Phase	Power Max.
XBC 505 A	5300 rpm	505 mm	15000lt/h	400/690 V	3	15-18,5Kw
XBP 505 A	5300 rpm	505 mm	15000lt/h	400/690 V	3	15-18,5Kw

(IEP 19 ATEX 0742X) X means: The control panel shall be installed in a non-hazardous area. The procedure must be carried out according to the installation and operating instructions. If parts or unapproved equipment changes, the certificate becomes invalid.

Ambient temperature : -20 °C ; + 55 °C
Max operation temperature : 100 °C
Max. Density of feed product : 1,4 kg/dm³

(16) Essential Health and Safety Requirements:

- 16 .1 Are included in standards, which are mentioned in clause (9) of this certificate. The products was approved in accordance with above mentioned standards and manufacturer's instruction.
- 16 .2 At the installation and the operation of the centrifuge separator user manual. The user manual 23 pages and dated January 2019.

(17) Special conditions for safe use: The installation and the operation of the centrifuge separator have to confirm to the relevant national regulations.

(18) List of documentation:

- Design verification report dated 18.10.2019, 2 pages.
- Electrical terminal box control report dated 21.10.2019, 7 pages.
- Functional and technical parameters report 18.09.2019
- Risk assessment report, dated, July 2019.
- The List of the Basic Sub-assemblies and Elements of centrifuge separator with the specification of Ex-type Protection and the relevant certificate for electrical equipment and apparatus, which are potential dangerous of explosion – see table 5.3.2 dated 23.08.2018.
- The List of the Basic Sub-assemblies and Elements of centrifuge separator with the specification of Ex-type Protection and the relevant certificate or Conformity of Declaration for non-electrical equipment and apparatus, which are potential dangerous of explosion – see table 5.3.1 dated 23.08.2018 and isolation material list, see table 5.3.4 dated 17.06.2019, other mechanical part list, see table 5.3.3 dated 23.08.2018.

Responsible Person:

Nurettin Terzioglu
Head of Certification Body





IEP ENERGY PETROLEUM INSTITUTE

(19) Schedule

(20) Certificate Nr : IEP 19 ATEX 0742X

(21) Drawings:

Drawing Name;	Drawing Nr;	Date;
Danger Zone	MX.0110A	18.05.2018
Layout	MY 0110A	18.05.2018
Electrical and Grounding	MX.0110A	18.05.2018
Exploded parts	MY 0110A	18.05.2018
Label and warning	MX.0110A	18.05.2018
Other Drawings; Technical file parts 7, 164 pages.		

- The List of the Basic Sub-assemblies and Elements of XB x Series Centrifuge Separator with the specification of Ex-type Protection and the relevant certificate for electrical equipment and apparatus, which are potential dangerous of explosion – see table 5.3.2 dated 23.08.2018.
- The List of the Basic Sub-assemblies and Elements of XB x Series Centrifuge Separator with the specification of Ex-type Protection and the relevant certificate or Conformity of Declaration for non-electrical equipment and apparatus, which are potential dangerous of explosion – see table 5.3.1 dated 23.08.2018 and isolation material list, see table 5.3.4 dated 17.06.2019, other mechanical part list, see table 5.3.3 dated 23.08.2018.
- The certificate is invalid if there is a change in the internal equipment.

Responsible Person:

Nurettin Terzioglu
Head of Certification Body



Date of Issue: 10.12.2019

