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**EU TECHNICAL FILE RECEIPT****Internal Production Control Procedure**

(2) Receipt of document regarding equipment for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU

(3) Technical File Number: **FN.EX.30017**

Application Dated / Number: **23.05.2022 / 3259**

(4) Product: **PL1020 Series Pulse Solenoid Valves**

*This document applies for Nonelectrical Equipment intended use in potentially explosive atmospheres.*

(5) Firm Name: **SMS Sanayi Malzemeleri Üretim ve Satışı A.Ş.**

(6) Office Address: **Bostancı Yolu Kuru Sokak No: 16/2 Y.Dudullu Ümraniye  
İstanbul – TÜRKİYE**

(7) Production Address: **Çerkeşli OSB Mah. İMES 5. Cadde No:6 Dilovası İMES OSB  
Kocaeli - TÜRKİYE**

(8) IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti, in accordance with Article 17 of the Directive 2014/34/EU confirm the receipt of documents regarding equipment intended for use in potentially explosive atmosphere, as required by article 13.1.b.ii and Annex II of the same directive.

(9) Classification:  **II 2G Ex h IIB T5 Gb , II 2D Ex h IIIB T 135°C Db**

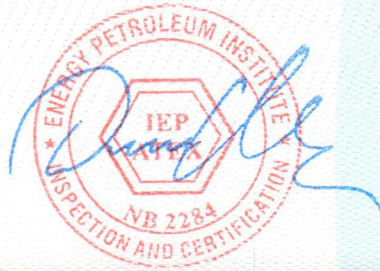
(10) IEP does not make any kind of check on the completeness and correctness of the documents forming the Technical File. IEP holds the Technical File for at least ten years from the date of the last manufactured apparatus. In case of lack of a written acknowledgement from the manufacturer about the intention of maintaining the Technical File deposit, IEP will hold the TECHNICAL FILE in Its archives for 10 years, starting from the date this receipt is issued. This receipt can be reproduced only entirely and with no change.

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**Responsible Person :**

Nurettin Terzioglu  
Head of Certification Body







# IEP ENERGY PETROLEUM INSTITUTE

(11) Schedule (FN.EX.30017)

(12) Description of Equipment:

In the absence of energy, the form in which the fluid does not pass is called normally closed and the pulse valves are produced as normally closed. An extra solenoid coil is attached to the equipment. When a voltage is applied to the solenoid coil, the coil turns into an electromagnet and produces a magnetic force. This force allows the core inside the valve to move. According to this movement, the valve opens. The permissible ambient temperature range is -20 °C to +80 °C. Parts used in pulse solenoid valves are available in table PL101007N-00, dated 08.2014. The pulse solenoid valves are used in zone 1 / 2 and zone 21 / 22.

Body	: Aluminum
Internal Parts	: Stainless Steel
Sealing	: Thermoplastic
Shading Ring	: Copper
Seats	: Aluminum
Core, Tube	: Stainless Steel
Spring	: Stainless Steel
Response Time	: Opening Time : 100 ms
Closing Time	: 100 ms
Working temperature	: (- 20 ; + 80) °C
Working pressure	: 0,5 bar (min.) ... 8 bar (max.)
Dimensions	: 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"

(15) List of Documentation;

- User manual date 23.12.2013 (26 pages)

**Drawing Nr:**

PL101007N-00, dated 08.2014  
KPK16PAUST112-01, dated 07.2013  
KPK16PAALT112-02, dated 07.2013  
GVD16PA000112-02, dated 05.2019  
DYF33PAKBY112-01, dated 08.2014  
YAY04SLDF1W2, dated 09.2012  
YAY04SLKN00W8, dated 07.2015  
DYF33PABBY112-02, dated 05.2013

(18) PL1020 pulse solenoid valves series are indicated in the parts list Nr: PL101007N-00, dated 08.2014. To must be used to the exproof solenoid bobbin for the pulse solenoid valves.

This certificate is in the contents of standards that mentioned in item [ 9 ] It has been accepted that pulse solenoid valves series are manufactured according to the producer instructions and the standards mentioned above. Production of the declaration given by the company.

**Responsible Person:**

Nurettin Terzioglu  
Head of Certification Body



**Date of Issue : 27.06.2022**



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

5746/1 Sk. No:9 K:2 Bornova - IZMIR /TURKEY Tel: +90 232 431 17 45 – 46 Fax: +90 232 431 17 30 E-mail: iep@iep.com.tr Fr: 65

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