(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 19 ATEX 0694X**

(4) Product: **M-PLGXM and M-PLGXN Series Stopping Plugs**

(5) Firm Name **MSM Mühendislik Elektromekanik San. Tic. Ltd. Şti.**

(6) Firm Address: **BarbarosMah. Evren Cad. No : 38 Ataşehir / İSTANBUL**

(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 veTeknik 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.10-1466 date 30.04.2019.

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

EN 60079-0:2013, EN 60079-1:2014, EN 60079-7:2015, EN 60079-31:2014

(10) If the sign "X"is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for 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:

I M2 Ex db I Mb / I M2 Ex eb I Mb / II 1D Ex ta IIIC Da
II 2G Ex db IIC Gb / II 2G Ex eb II Gb

Responsible Person :

NurettinTerzioglu
Head of Certification Body

ENERGY PETROLEUM INSTITUTE * IEP ATEX * NB 2284 * INSPECTION AND CERTIFICATION *

Date of Issue : 03.05.2019

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.
5746/1 Sok. No:9 K:2Bornova - IZMIR / TURKEY
Tel: +90 232 431 17 45 –46Fax : +90 232 431 17 30 E-mail: iep@iep.com.trFr:45

(13) Certificate Nr:**IEP19 ATEX 0694X**

(14) Technical Details:

M-PLG Series Stopping Plugs and M-REB Series Reducers

M-PLGXM Series Stopping Plugs						
Product Code	Metric Size	Thread Length (mm)	Height (mm)	Spanner Width (mm)	Outer Min. (mm)	Thread Pieces
M-PLG1M	M12x1,5	15	22	17	19	8
M-PLG2M	M16x1,5	15	22	22	24	8
M-PLG3M	M20x1,5	15	22	24	26	8
M-PLG4M	M25x1,5	15	22	30	33	7
M-PLG5M	M32x1,5	15	22	36	40	7
M-PLG6M	M40x1,5	15	22	45	50	7
M-PLG7M	M50x1,5	15	22	55	61	7
M-PLG8M	M63x1,5	15	22	70	77	7

M-PLGXN Series Stopping Plugs						
Product Code	NPT Size	Thread Length (mm)	Height (mm)	Spanner Width (mm)	Outer Min. (mm)	Thread Pieces
M-PLG1N	1/4″	15	22	16	18	8.0/18.0
M-PLG2N	3/8″	15	22	20	22	8.0/18.0
M-PLG3N	1/2″	15	22	24	26	7.0/18.0
M-PLG4N	3/4″	15	22	27	30	7.0/18.0
M-PLG5N	1″	15	22	35	38	6.0/18.0
M-PLG6N	11/4″	15	22	45	50	6.0/18.0
M-PLG7N	11/2″	15	22	50	55	6.0/18.0
M-PLG8N	2″	15	22	65	72	6.0/18.0

(15) Description of Equipment: The M-PLG Series is a range of threaded stopping plugs each comprising a threaded body with a hexagonal socket for tightening. The devices are used to close unused apertures in associated component. The body may optionally be fitted with an 'O' ring seal. Gear systems are indicated in the table. Thread combinations are such that minimum wall thickness should be maintained. The stopping plugs has been evaluating in the contents of IP 66/68 according to the EN 60529 standard. Materials of Manufacture: EN12164, Grade (CW614N)

Responsible Person :
Nurettin Terzioglu

Head of Certification Body

(16) Certificate Nr: **IEP19 ATEX 0694X**

(17) Special Conditions for Safe Use(denoted by X after the certificate number)

17.1 The stopping plugs are not to be used with any form of adaptors or reducers.

17.2 The interfaces between these devices and the associated enclosure cannot be defined; therefore, it is the user's responsibility to ensure that the appropriate ingress protection level is maintained at these interfaces.

17.3 The entry thread should be suitably sealed in order to maintain the IP rating.

17.4 When used for Increased Safety (Ex e) applications, a suitable method of sealing to the associated enclosure shall be fitted.

17.5 At their point of mounting, these devices are suitable for use at -40°C to 180°C at their point of mounting (Note: this is reduced when the stopping plugs are fitted with 'O' rings, see below).

Temperature of Isolation: Chloroprene rubber : (-40 ~ + 180) °C

(18) Essential Health and Safety Requirements Of Annex II: This certificate is in the contents of standards that mentioned in item (9) It has been accepted that stopping plugs are manufactured according to the producer instructions and the standards mentioned above.

(19) Drawings:

Drawing Nr	Drawing	Name Date
M-PLG 1	M-PLG Plugs	02.01.2019
M-PLG 2	M-PLG Plugs Mounting	13.02.2019
M-PLG 3	M-PLG Plugs Label	13.02.2019

(20) Installation manual 10 pages, dated 13.02.2019. If the chemical property of the material changes, the certificate becomes invalid. The clamping forces must comply with the standard and installation instructions.

Responsible Person :
Nurettin Terzioglu

Head of Certification Body

Date of Issue : 03.05.2019