

(1) **Certificate of Conformity to Ex**(2) Ex Certificate of Compliance Number: **IEP 19 EX 10048**(3) Product: **45 Series of swivel ( 3/4 " and 1 " )**(4) Firm Name: **Shanghai AILE Petroleum Equipment Mfg. Co. Ltd.**(5) Firm Address: **No:888 Chengliu Mid Rd. Jiading District Shanghai - CHINA**

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

(7) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., Inspection Body Accreditation number AB-0097-M in accordance with TS EN ISO/IEC 17020 within the scope given in Annex following the assessment conducted by TURKAK .The examination and test results are recorded in confidential Report Nr: IEP - Rp.Ex - 10.1441 dates 06.03.2019.

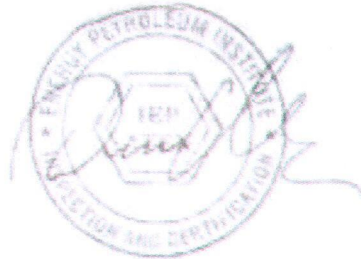
(8) Compliance with Essential Health and safety requirements has been assured by compliance with ;

(9) This Ex Certificate of Compliance relates only to the design examination and testing of the specified equipment in accordance to the standards.

**EN 1127-1 : 2011 , EN ISO 80079-36 : 2016 , EN 13617-4 : 2012**

(10) Manufacturer listed in the certificate is responsible for product conformity assurance in accordance with its specification (documentation) listed in Annex of the certificate and for successful performance of all specified routine tests and verification.

(11) If unit parts change, the certificate is invalid. If standard changes, again to must be examine. This certificate is valid 5 years.

(12) The marking:  sign is not obligatory:**II ½ G Ex h IIA T5 Ga / Gb****Responsible Person :**Nurettin Terzioglu  
Head of Certification Body**Date of Issue : 07.03.2019**





# IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule / Certificate Nr: IEP 19 EX 10048

**(14) Description of Equipment;**

( 3/4 " and 1 " ) used only joint connecting fluid lines are made for the safe return. 45 series swivels ( 3/4 " and 1 " ) body made from Al-alloy according to AlSiMgMn , EN 755-2 standard . 45 series swivels are intended for fitting between nozzle and metering pump of dispenser or to facilitate of rotary motion up to 360 °C . The standard swivel is dual plane swivel type 1 sense of EN 13617-4 (Without vapor recovery lines ) . 45 series swivels ( 3/4 - 1 ) mounting manual date 15.12.2011 [ 2 pages ]

45 series swivels are provide with connecting thread 3/4 " and 1 " type BSP or NPT . 45 series swivels (type 1 constructed for liquid lines only ) in sense of EN 13617-4 made from Al-Alloy and brass are provide with connecting thread 3/4" and 1" type BSP or NPT .

Chemical specifications of the parts attached . Atch. Table 1 Date 12.01.2012

**Technical Parameters:**

Product Type : Swivel-45 3/4"

Product Type : Swivel-45 1"

Size : (3/4 - 1")

Standard type : Type 1

Inlet and outlet dimension for 3/4" : 12,5 mm / 11,5 mm + 18,0 mm / 17,0 mm

Inlet and outlet dimension for 1" : 15,5 mm / 14,0 mm + 18,0 mm / 17,0 mm

Working pressure : x < 5,25 Bar

Ambient temperature Ta : ( - 25 ; + 55 ) °C

(15) Essential health and safety requirements : They are included in above mentioned standards of this certificate. The product was approved in accordance with according standards and manufacturer instruction.

(16) 45 series swivels ( 3/4 - 1 ) mounting manual date 16.01.2013 [ 1 pages ]

(17) This certificate is in the contents of standards that mentioned in item [ 9 ] It has been accepted that . 45 series swivels ( 3/4 - 1 ) are manufactured according to the producer instructions and the standards mentioned above.

(18) To was examined the due for the standard change.

**Responsible Person:**

Nurettin Terzioglu  
Head of Certification Body



**Date of Issue: 07.03.2019**