



[ 1 ]

## Supplement No:1 Certificate of Conformity to Ex

[ 2 ] Ex Certificate Of Compliance Number : **IEP 13 EX 0138**

[ 3 ] Equipment : **45 Series of swivel ( 3/4 " and 1 " )**

[ 4 ] Manufacturer : **Shanghai AILE Petroleum Equipment Mfg. Co. Ltd.**

[ 5 ] Address : **No:888 Chengliu Mid Rd. Jiading District Shanghai - CHINA**

[ 6 ] This equipment any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[ 7 ] The IEP Uluslar Arası 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 assesment conducted by TURKAK . The examination and test results are recorded in confidential Report N : IEP - RP.Ex - 10. 488-1 date 21.08.2014

[ 8 ] Compliance with Essential Health and safety requirements has been assured by compliance with ;

**EN 1127-1:2011 , EN 13463-1:2009 , EN 13463-5 :2011 , EN 13617-4:2012**

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

[ 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 ] The marking of the equipment or protective system shall include the following :



**II 1/2G c IIA T5**

[ 12 ] This certificate is valid till : **06.06.2018**

**Responsible person :**

Nurettin Terzioglu  
Head of certification body



**Date of issue : 22.08.2014**





[ 13 ] Report Nr : IEP - RP.Ex -10. 488-1

Report Date : 21.08.2014

## [ 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 vapour 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 theread 3/4" and 1" type BSP or NPT .

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

### Technical specifications :

Product Type : Swivel-45 3/4"

Product Type : Swivel-45 1 "

Size : (3/4" – 1")

Standart 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 standarts that mentioned in item [ 8 ] 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 :**

**Date of issue : 22.08.2014**

Nurettin Terzioglu  
Head of certification body

