



### **System Description**

Water handling is one of the critical steps of crude oil treatment. If the free water takes out at the first stage of treatment, the efficiency of downstream equipment would be higher.

FWKO Separator can be designed and manufactured according to client's request and all inner equipment can be removed from man way. Vessel length is designed to be used for longer retention time. The FWKO Separator internals consist of perforated plates, weir plate, oil bucket, sand jet system and mist extractor that facilitate and improve phase separation. Accumulation of sand at the bottom of the vessel, is prevented by stainless steel sand jet nozzles.

Control equipment can be designed as per Operator's request and area capabilities from well-known manufacturer. All control system can be easily maintained during on duty with our high skilled service team. Digital Level Control System checks top liquid level. Up normal levels are saved for system control and evaluation.

The separator is designed by PV Elite and are built according to ASME VIII Div. 1 (ASME Code Version 2013). It is also certified with CE (2014/68/EU).

Service	Standard&H <sub>2</sub> S
Diameter (mm)	2,500
Length (mm)	10,000
Max Working Pressure (psia)	245
Thickness (mm)	22
Total skid weight (tons)	36



























#### Konformitätsbescheinigung Certificate of Conformity

Modul G I module G

Konformität auf der Grundlage einer Einzelprüfung

Conformity based on unit verification

gemäß Richtlinie 2014/68/EU I according to Directive 2014/68/EU

Bescheinigung Nr.: Certificate No.:

KOB-2019-TURK-1687-19-IS-1328

Hersteller / manufacturer:

Troya Dogalgaz Petrol Muhendislik San. ve Tic. Ltd. Sti. Fertigungsstätte / place of manufacture: Mesa Koru Sitesi, Akmese Sokak, No:6 Çayyolu/Ankara/TURKEY

Hiermit wird bescheinigt, dass die Ergebnisse der an dem unten genannten Objekt vorgenommenen Prüfungen die Anforderungen der Richtlinie 2014/68/EU erfüllen. Das Objekt ist mit der abgebildeten Kennzeichnung versehen:

This is to certify that the results of the examination of the object mentioned below meet the requirements of the directive 2014/68/EU. The object carries the marking as illustrated:

**C€** 0408

Objekt object

Druckbehälter / pressure vessel

Benennung: designation

Free Water Knockout Seperator Capacity: 53 m³ Pd: 18,62 Bar

Fabrik Nr.: serial no.:

TRY-SP-2019-02

Baujahr: year of manufacture:

2019

Inspektionsbericht Nr.: inspection report no.:

19-IS-1328-PED-2019-IR-TRY-SP-2019-02

Ankara Ort / place:

04.11.2019 Datum / date: Murat Erdoğan
ÜV AUSTRIA SERVICES 6mbH
Notifizierte Stelle 0408
Notifica Body 0408

FM-INE-PE-PED-0504 Konformitätsbescheinigung\_PED Revision: 11 vom 06.07.2018 Page 1/1 TÜV AUSTRIA SERVICES GMBH, Notified Body 0408

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