



### System Description

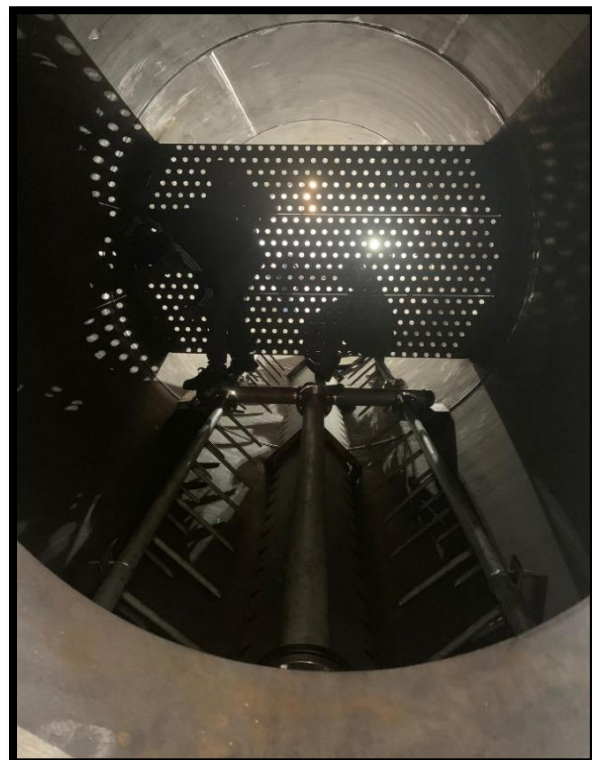
Water handling is one of the critical steps of crude oil treatment. If the free water takes out at the first stage of treatment, the efficiency of downstream equipment would be higher.

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 / module G

Konformität auf der Grundlage einer Einzelprüfung  
Conformity based on unit verification

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

Bescheinigung Nr.: KOB-2019-TURK-1687-19-IS-1328  
Certificate No.:

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:

CE 0408

Objekt:  
object: Druckbehälter / pressure vessel

Benennung:  
designation: Free Water Knockout Separator Capacity: 53 m<sup>3</sup> Pd: 18,62 Bar

Fabrik Nr.: TRY-SP-2019-02 Baujahr: 2019  
serial no.: year of manufacture:

Inspektionsbericht Nr.: 19-IS-1328-PED-2019-IR-TRY-SP-2019-02  
inspection report no.:

Ankara  
Ort / place:

04.11.2019  
Datum / date:

