



## System Description

The well stream enters from the upper part of the separator and falls out around the firebox at the bottom of the equipment. While the gas that may be present in the crude oil is collected in the upper part of the separator, the emulsions' temperature increased to the desired temperature, to ensure more effective separation around the firebox. While the separated oil collects in the oil section, water accumulates in the bottom of the separator. Separated water and oil are sent to the storage tanks through the piping by dump valves.

The separator is designed by PV Elite and is built according to ASME VIII Div. 1 (ASME Code Version 2023). It is also certified with CE (2014/68/EU).

|                             |                           |
|-----------------------------|---------------------------|
| Service                     | Standard&H <sub>2</sub> S |
| Diameter Range (mm)         | 1,900-3,200               |
| Length Range (mm)           | 6,000-13,000              |
| Max Working Pressure (psia) | 60                        |
| Fluid Capacity (BPD)        | 1,000-10,000              |
| Heating Capacity (BTU/hr)   | 1,000,000                 |
| Burner Type                 | Crude Oil, Diesel or Gas  |

