

System Description

IV Phase separator is designed to separate gas, water, oil and sand. The IV Phase separator can be used in flow test after hydraulic fracturing operations with accurate measurement of water, gas, and oil rates.

The Separator internals comprise of perforated plates, weir plates, and mist extractor that facilitate and improve phase separation. On the other hand, the vessel lengths are designed to be used for longer retention time for the sand settlement.

The unit is supplied with complete instrumentation such as relief valves, level and pressure controllers, control valves, measuring equipment and safety devices to provide our customers with accurate information.

The IV Phase Separators can be designed and manufactured according to client's request and all inner equipment can be removed from man way.

The separator is designed by PV Elite and are built according to ASME VIII Div. 1 (ASME Code Version 2013).



Properties

Service	Standard and H ₂ S
Diameter (mm)	1,200 – 3,200
Length (mm)	6,000 – 12,000
Max Working Pressure (psia)	550
Thickness (mm)	50

