

Vertical 3 Phase HP Separator



Description

The Three Phase Separators are designed to separate and measure water, gas, and oil rates. The Separators are equipped with internal components (inlet deflector, vane pack, coalescer, wave breaker, adjustable weir plates, and mist extractor) that facilitate and improve the phases separation and with complete instrumentation (relief valves, level & pressure controllers, control valves, measuring equipment, and safety devices) that allow us to provide our customers with accurate information concerning the well performance.

All of our equipment has full traceability for each component, and are designed according ASME and NACE codes. Separator sizes range from 15 mmcf/d/2,500 bbd to 120 mmcf/d/26,000 bbd.



Applications

- Well Testing
- Well Clean-ups
- Frac Flowback
- Pipeline Cleaning/Pigging

Features

- Separators ANSI 600
- Water and Oil lines designed with by-pass lines, measurement, and control devices
- Dual PSV (Pressure Safety Valve System) with relief line to the back of the skid.
- High and low level alarms/pilots
- High and Low pressure alarms/pilots
- Certified skid and crash frame for offshore operations
- Mounted on trailers for onshore operations

Additional Information

Test Unit fitted with:

- Inlet, oil, water and gas sample points.
- Water, oil, and gas flow rates.
- Deflector plate, coalescing plates, adjustable weir plate, and mist extractor.
- Instrument Gas Scrubber
- Shrinkage Tester
- Inlet Manifold with by-pass
- Barton Chart Recorder
- This unit can be equipped with the PTS wireless data acquisition unit

Operating Specification

OD	48 in.	72 in.	116 in.
LENGTH	15 ft.	15 ft.	23 ft.
WORKING PRESSURE	600 psi	1,440 psi	1,320 psi
GAS CAPACITY	75 mmcf/d	135 mmcf/d	500 mmcf/d
LIQUID CAPACITY	20,000 bpd	45,000 bpd	230,000 bpd
INLET	6 in. ANSI 600 Flange	16 in. ANSI 600 Flange	24 in. ANSI 600 Flange
GAS OUT	4 in. ANSI 600 Flange	16 in. ANSI 600 Flange	24 in. ANSI 600 Flange
OIL OUTLET	3 in. ANSI 600 Flange	4 in. ANSI 600 Flange	16 in. ANSI 600 Flange
DRAIN	2 in. ANSI 600 Flange	3 in. ANSI 600 Flange	6 in. ANSI 600 Flange
SERVICE	Sour	Sour	Sour
WEIGHT	32,000 lbs.	45,000 lbs.	154,000 lbs.