

# 3 Phase Separator ANSI 600



## 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 bbl to 120 mmcf/d/26,000 bbl.

## 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

	<b>24 in.</b>	<b>36 in.</b>	<b>42 in.</b>	<b>42 in.</b>	<b>48 in.</b>	<b>48 in.</b>
OD	24 in.	36 in.	42 in.	42 in.	48 in.	48 in.
LENGTH	10 ft.	10 ft.	10 ft.	15 ft.	10 ft.	16 ft.
MAX. WORKING PRESSURE	1,440 psi	1,440 psi	1,440 psi	1,440 psi	1,440 psi	1,440 psi
GAS CAPACITY	15 mmcf/d	40 mmcf/d	65 mmcf/d	90 mmcf/d	80 mmcf/d	120 mmcf/d
LIQUID CAPACITY	2,500 bbl.	8,000 bbl.	12,500 bbl.	18,000 bbl.	18,000 bbl.	26,000 bbl.
RELIEF SET PRESSURE	1,440 psi	1,440 psi	1,440 psi	1,440 psi	1,440 psi	1,440 psi
INLET	3 in. 602 Weco	3 in. 602 Weco	4 in. 602 Weco	4 in. Flange	4 in. Flange	6 in. Flange
GAS OUTLET	3 in. 602 Weco	3 in. 602 Weco	3 in. 602 Weco	4 in. Flange	4 in. Flange	6 in. Flange
WATER OUTLET	2 in. 602 Weco	2 in. 602 Weco	2 in. 602 Weco	3 in. Flange	3 in. Flange	4 in. Flange
OIL OUTLET	2 in. 602 Weco	3 in. 602 Weco	2 in. 602 Weco	3 in. Flange	3 in. Flange	4 in. Flange
RELIEF OUTLET	3 in. 602 Weco	4 in. 602 Weco	4 in. 602 Weco	4 in. Flange	6 in. Flange	6 in. Flange
WATER FLOW METER	Turbine	Turbine	Turbine	Turbine	Turbine	Turbine
OIL FLOW METER	Turbine	Turbine	Turbine	Turbine	Turbine	Turbine
GAS ORIFICE METER	3 in. Daniels	4 in. Daniels	6 in. Daniels	3 & 6 in. Daniels	3 & 6 in. Daniels	3 & 8 in. Daniels
SERVICE	NACE	NACE	NACE	NACE	NACE	NACE
SKID DIMENSIONS L x W x H	16 ft. x 5 ft. x 8 ft.	16 ft. x 7 ft. x 8 ft.	20 ft. x 8 ft. x 8 ft.	26 ft. x 8 ft. x 8 ft.	20 ft. x 8 ft. x 9 ft.	30 ft. x 8 ft. x 9 ft. 6 in.
WEIGHT	18,000 lbs.	22,000 lbs.	26,350 lbs.	34,000 lbs.	32,500 lbs.	44,000 lbs.