

# Vertical LP Separator/Surge Tank 2 Phase



## Description

The Surge Tanks are used during well test operations as a secondary or additional stage (two, three, four phase) of separation and metering. When longer retention times are required for effective separation a surge tank is a very good alternative. Surge tank also can replace the gauge tanks when H2S is present.

## Features & Benefits

- Two, three, or four phase, Separators ANSI 150
- Water and oil lines designed with by-pass lines, and measurement and control devices.
- An automatic control valve (ACV) on the gas outlet to maintain a constant pressure in the vessel.
- Relief valve and rupture disc
- 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
- Sight glasses with a graduated scale to record changes in liquid levels.

## Applications

- Well Testing
- Well Clean-ups
- Frack Flowback



## Operating Specification

VESEL OD	7 ft.	8 ft. 6 in.
VESEL LENGTH (S/S)	12 ft.	7 ft. 8 in.
WORKING PRESSURE	225 psi	150 psi
GAS CAPACITY	30 MMscfd	28 MMscfd
RELIEF SET PRESSURE	225 psi	150 psi
INLET	4 in. 150# Flange	4 in. 150# Flange
GAS OUTLET	3 in. 150# Flange	3 in. 150# Flange
LIQUID OUTLET	3 in. 150# Flange	3 in. 150# Flange
RELIEF OUTLET	4 in. 150# Flange	4 in. 150# Flange
DRAIN	4 in. 150# Flange	4 in. 150# Flange
SERVICE	Sour	Sour
SKID DIMENSIONS L x W x H	21 ft. x 8 ft. 6 in. x 9 ft.	11 ft. x 11 ft. x 16 ft.
WEIGHT	21,000 lbs.	21,300 lbs.