

Surge Tank

Surge Tank is an H₂S resistant pressurized vessel designed to store liquid hydrocarbons after separation. The surge tank is used to measure liquid flow rates as well as the combined shrinkage and meter factor. It can also be used as a second-stage, two-phase separator.

APPLICATIONS

- ▶ Calibrate oil meter factor and shrinkage factor
- ▶ Clean up a well without separators or burners
- ▶ Flash low pressure gas safely and vent to safe area
- ▶ Serve as a buffer



FEATURES

- ▶ Automatic pressure controller
- ▶ High level alarm
- ▶ Protection against overpressure

AVAILABLE

Capacity	50bbl	80bbl	100bbl
Work Pressure	50psi, 100psi, 150psi and 250psi		
Compartment	Single	Single or Dual	Dual

Typical Specification of 50psi 100bbl Dual Compartment Surge

Vessel Size	76"IDx18' High Seam to Seam
Temperature	-28 deg. C(-20 deg. F)~50 deg. C(122 deg. F)
Design Code	ASME Section VIII, Div. 1 ASME B31.3 NACE MR 0175 DNV 2.7-3
Inlet Connection	
Inlet	3" Fig 602 Hammer Union thread
Outlet Connection	
Oil Outlet	3" Fig 602 Hammer Union Wing
Gas Outlet	4" Fig 602 Hammer Union Wing
Safety Relief Outlet	3" Fig 602 Hammer Union Wing
Drain Outlet	2" Fig 206 Hammer Union Wing

Option: LLC, high/low level alarm etc..

