

Surge Tank

Senoil surge tank is a H₂S resistant dual compartment vertical pressurized vessel. It is used to calibrate oil flow. The surge tank can also be used as two phase separator. The vessel is protected from overpressure by independent safety relief valve on a contained vent line.

APPLICATION

- Onshore operation
- Drill Stem Test
- Well Cleanups
- Well/Production Testing
- Early Production



FEATURES & BENEFITS

- Back Pressure Control on gas outlet
- High - low level alarm with horns to ensure safety operation
- Pressure, temperature, and sampling ports located on vessel to maximize phase measurement and sampling.
- Safety valve ensure vessel no overpressure
- Full-bore bypass manifold with isolation valves enables routing of inlet effluent to gas and oil outlets.

Surge Tank

Typical Specification

Vessel Size	76"IDx18' High Seam to Seam
Service	H2S
Temperature (c degree)	-29 to +50
Design Pressure(psi)	50
Capacity (bbl)	100
Compartment	Dual
Safety Device	3 x 4 safety valve
Inlet	3" Fig 602 Hammer Union female
Oil Outlet	3" Fig 602 Hammer Union male
Gas Outlet	4" Fig 602 Hammer Union male
Safety Relief Outlet	3" Fig 602 Hammer Union male
Drain Outlet	2" Fig 206 Hammer Union male
Bypass Manifold	Yes
Design Codes	ASME Section VIII, Div. 1
	ASME B31.3
	NACE MR 0175
	DNV 2.7-1

Options

other size and specification available upon request

if there is request, please contact with our sales people (contact@shsenoil.com).