

Horizontal Surge Tank



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

- 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

OD	84 in.	84 in.	84 in.	84 in.	96 in.	96 in.
LENGTH S/S	10 ft.	10 ft.	12 ft.	12 ft.	10 ft.	10 ft.
WORKING PRESSURE	125 psi	250 psi	150 psi	250 psi	125 psi	250 psi
GAS CAPACITY	12 mmscf/d	20 mmscf/d	14 mmscf/d	20 mmscf/d	12 mmscf/d	20 mmscf/d
LIQUID CAPACITY	87 bbl.	87 bbl.	100 bbl.	100 bbl.	114 bbl.	114 bbl.
INLET	4 in. RF Flange, ANSI 150	4 in. RF Flange ANSI 150 4 in. 602 Weco	4 in. RF Flange, ANSI 150	4 in. RF Flange ANSI 150 4 in. 602 Weco	4 in. 602 Weco	4 in. 602 Weco
GAS OUTLET	3 in. RF Flange, ANSI 150	3 in. RF Flange, ANSI 150 3 in. 602 Weco	3 in. RF Flange, ANSI 150 3 in. 602 Weco	3 in. 602 Weco	3 in. 602 Weco	3 in. 602 Weco
WATER OUTLET	3 in. RF Flange, ANSI 150	3 in. RF Flange, ANSI 150 3 in. 602 Weco	3 in. RF Flange, ANSI 150 3 in. 602 Weco	3 in. 602 Weco	3 in. 602 Weco	3 in. 602 Weco
SOLIDS OUTLET	3 in. RF Flange, ANSI 150	3 in. RF Flange, ANSI 150 3 in. 602 Weco	3 in. RF Flange, ANSI 150 3 in. 602 Weco	3 in. 602 Weco	3 in. 602 Weco	3 in. 602 Weco
OIL OUTLET	4 in. RF Flange, ANSI 150	3 in. RF Flange, ANSI 150 3 in. 602 Weco	3 in. RF Flange, ANSI 150 3 in. 602 Weco	3 in. 602 Weco	3 in. 602 Weco	3 in. 602 Weco
RELIEF OUTLET	4 in. RF Flange, ANSI 150	4 in. RF Flange, ANSI 150 4 in. 602 Weco	4 in. RF Flange, ANSI 150 4 in. 602 Weco	4 in. 602 Weco	4 in. 602 Weco	4 in. 602 Weco
WATER FLOW METER	1, 2, 3 in.	1, 2, 3 in.	4 in.	1, 2, 3 in.	1, 2, 3 in.	1, 2, 3 in.
OIL FLOW METER	1, 2, 3 in.	1, 2, 3 in.	4 in.	1, 2, 3 in.	1, 2, 3 in.	1, 2, 3 in.
GAS ORIFICE METER	4 in.	4 in.	4 in.	4 in.	4 in.	4 in.
SKID DIMENSIONS W x L x H	9 ft. x 22 ft. x 10 ft.	9 ft. x 22 ft. x 10 ft.	9 ft. x 24 ft. x 10 ft.	9 ft. x 24 ft. x 10 ft.	10 ft. x 20 ft. x 11 ft.	10 ft. x 20 ft. x 11 ft.
WEIGHT	20,000 lbs.	21,000 lbs.	20,000 lbs.	21,000 lbs.	22,000 lbs.	28,000 lbs.